

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021519\
 Data File : VN053792.D
 Acq On : 15 Feb 2019 11:43
 Operator : JC/SP
 Sample : VN0215WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 9:48:06 AM

Quant Time: Feb 15 23:41:31 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	653806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	972943	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	892460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	398202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	326628	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
35) Dibromofluoromethane	7.59	113	315693	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
50) Toluene-d8	10.09	98	1125725	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.40	95	379154	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	132810	18.234	ug/l	100
3) Chloromethane	2.06	50	144254	18.585	ug/l	99
4) Vinyl Chloride	2.19	62	157844	20.948	ug/l	99
5) Bromomethane	2.57	94	110854	22.501	ug/l	97
6) Chloroethane	2.71	64	95620	22.207	ug/l	99
7) Trichlorofluoromethane	3.02	101	217427	21.279	ug/l	99
8) Diethyl Ether	3.41	74	76437	20.484	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	139937	22.144	ug/l	98
10) Methyl Iodide	3.96	142	178576	18.004	ug/l	99
11) Tert butyl alcohol	4.78	59	44042	113.459	ug/l	98
12) 1,1-Dichloroethene	3.74	96	124273	20.526	ug/l	96
13) Acrolein	3.61	56	15220	72.015	ug/l	98
14) Allyl chloride	4.33	41	181452	18.823	ug/l	94
15) Acrylonitrile	4.99	53	235764	112.507	ug/l	98
16) Acetone	3.81	43	206851	122.951	ug/l	98
17) Carbon Disulfide	4.06	76	332086	17.615	ug/l	100
18) Methyl Acetate	4.32	43	122155	24.517	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	330791	21.552	ug/l	98
20) Methylene Chloride	4.55	84	144073	20.412	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	128252	19.635	ug/l	97
22) Diisopropyl ether	5.95	45	359835	20.145	ug/l	100
23) Vinyl Acetate	5.90	43	1210495	97.963	ug/l	98
24) 1,1-Dichloroethane	5.85	63	233120	19.567	ug/l	100
25) 2-Butanone	6.83	43	254627	106.119	ug/l	100
26) 2,2-Dichloropropane	6.82	77	181795	19.990	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	143183	19.713	ug/l	98
28) Bromochloromethane	7.19	49	104443	20.201	ug/l	93
29) Tetrahydrofuran	7.21	42	161872	105.060	ug/l	99
30) Chloroform	7.37	83	237764	20.132	ug/l	97
31) Cyclohexane	7.65	56	206396	18.501	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	196743	20.018	ug/l	99
36) 1,1-Dichloropropene	7.79	75	174782	19.928	ug/l	99
37) Ethyl Acetate	6.93	43	107546	21.956	ug/l	100
38) Carbon Tetrachloride	7.77	117	176448	19.971	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	197092	18.942	ug/l	97
40) Benzene	8.04	78	536023	19.819	ug/l	99
41) Methacrylonitrile	7.19	41	69639m	25.437	ug/l	
42) 1,2-Dichloroethane	8.12	62	162221	20.201	ug/l	98
43) Isopropyl Acetate	8.16	43	186077	19.670	ug/l	99
44) Trichloroethene	8.83	130	151036	19.616	ug/l	94
45) 1,2-Dichloropropane	9.12	63	142438	20.591	ug/l	99
46) Dibromomethane	9.21	93	83964	20.135	ug/l	97
47) Bromodichloromethane	9.40	83	178383	20.574	ug/l	98
48) Methyl methacrylate	9.20	41	86663	19.192	ug/l	95
49) 1,4-Dioxane	9.20	88	28748	461.289	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	485189	104.374	ug/l	100
52) Toluene	10.16	92	326011	20.310	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	174670	20.119	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	203745	19.804	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	127425	22.030	ug/l	99
56) Ethyl methacrylate	10.43	69	141407	20.666	ug/l	98
57) 1,3-Dichloropropane	10.71	76	207645	21.005	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	319982	80.997	ug/l	98
59) 2-Hexanone	10.75	43	341259	108.138	ug/l	100
60) Dibromochloromethane	10.90	129	139666	21.413	ug/l	99
61) 1,2-Dibromoethane	11.01	107	119693	20.908	ug/l	100
64) Tetrachloroethene	10.63	164	153403	20.052	ug/l	99
65) Chlorobenzene	11.43	112	379026	19.994	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	144016	21.753	ug/l	99
67) Ethyl Benzene	11.51	91	624160	20.044	ug/l	100
68) m/p-Xylenes	11.62	106	494919	41.642	ug/l	98
69) o-Xylene	11.95	106	238483	20.770	ug/l	99
70) Styrene	11.96	104	378528	20.340	ug/l	99
71) Bromoform	12.13	173	99964	22.024	ug/l #	97
73) Isopropylbenzene	12.25	105	633374	22.626	ug/l	100
74) N-amyl acetate	12.07	43	145074	21.552	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	145848	21.770	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	114896m	22.464	ug/l	
77) Bromobenzene	12.53	156	153244	20.312	ug/l	98
78) n-propylbenzene	12.59	91	683610	21.125	ug/l	99
79) 2-Chlorotoluene	12.67	91	401216	20.898	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	510176	21.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37509	20.622	ug/l	97
82) 4-Chlorotoluene	12.77	91	406126	20.615	ug/l	100
83) tert-Butylbenzene	12.99	119	445717	21.725	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	514379	21.750	ug/l	99
85) sec-Butylbenzene	13.17	105	623297	22.325	ug/l	99
86) p-Isopropyltoluene	13.29	119	538485	22.053	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	274033	20.206	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	268887	20.043	ug/l	100
89) n-Butylbenzene	13.62	91	443119	20.966	ug/l	100
90) Hexachloroethane	13.87	117	91848	22.805	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	269241	20.737	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21525	22.544	ug/l	96

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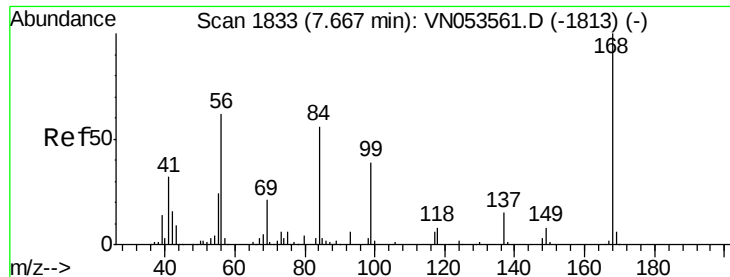
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	142210	19.098	ug/l	100
94) Hexachlorobutadiene	15.01	225	109276	23.564	ug/l	98
95) Naphthalene	15.13	128	263500	16.277	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	139382	20.173	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

ClientSampled :

VN0215WBS01

Tot Ion:168 Resp: 653806

Ion Ratio Lower Upper

168 100

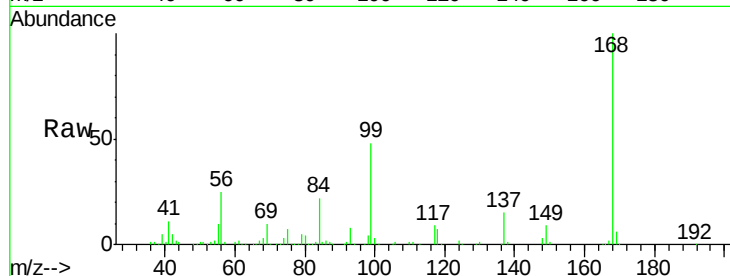
99 47.1 39.1 58.7

Manual Integrations

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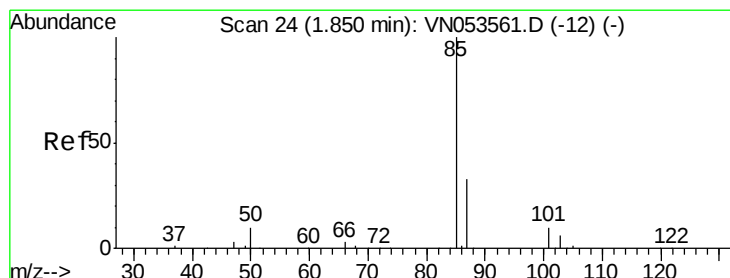
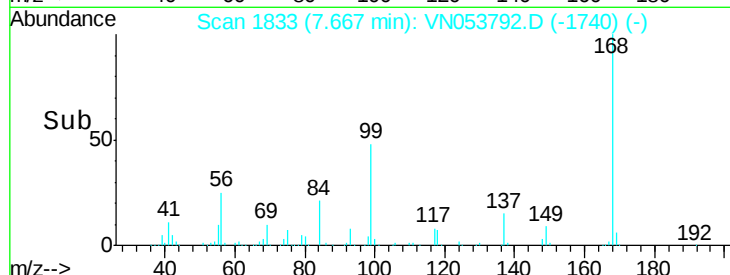
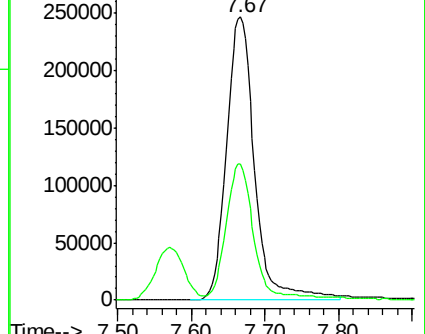
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.234 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053792.D

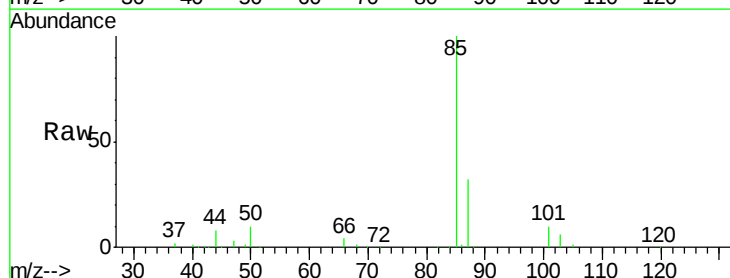
Acq: 15 Feb 2019 11:43

Tgt Ion: 85 Resp: 132810

Ion Ratio Lower Upper

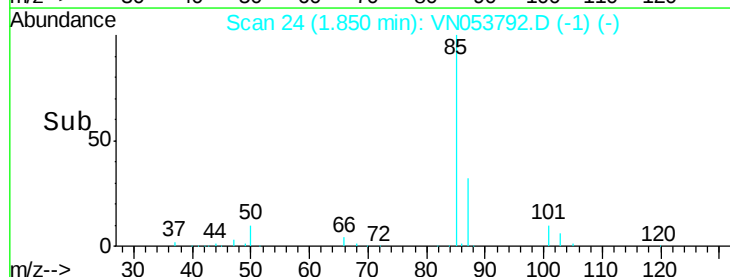
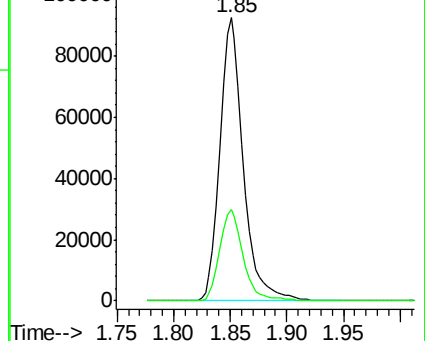
85 100

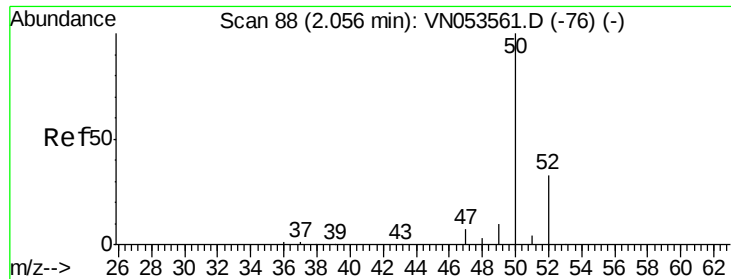
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.585 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS01

Tot Ion: 50 Resp: 144254

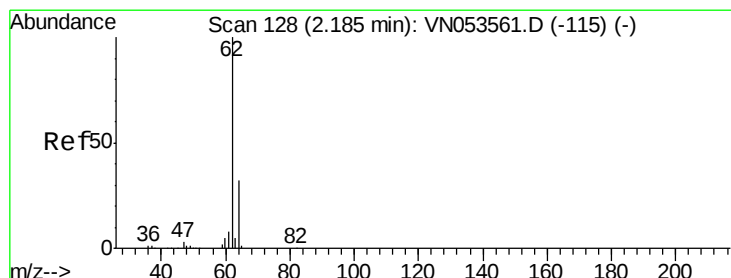
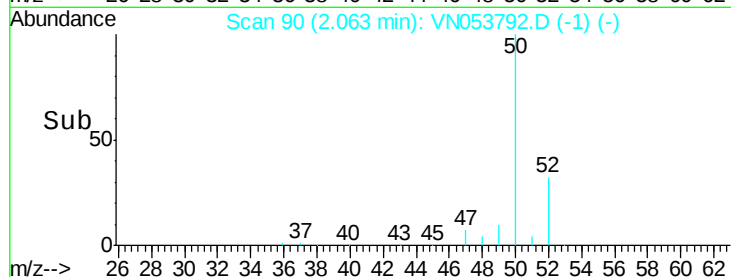
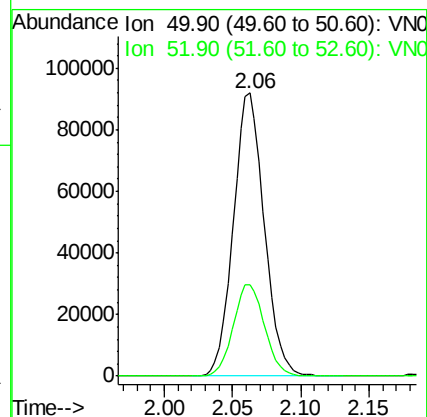
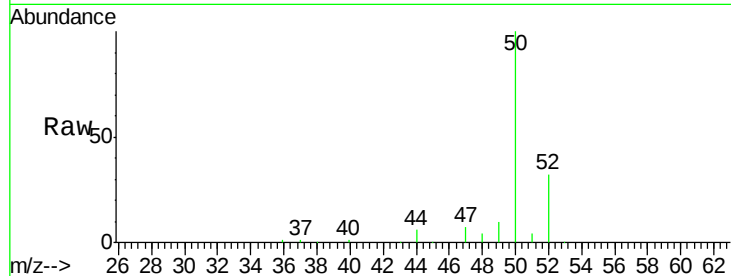
Ion Ratio Lower Upper

50 100

52 32.5 26.6 40.0

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#4

Vinyl Chloride

Concen: 20.948 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053792.D

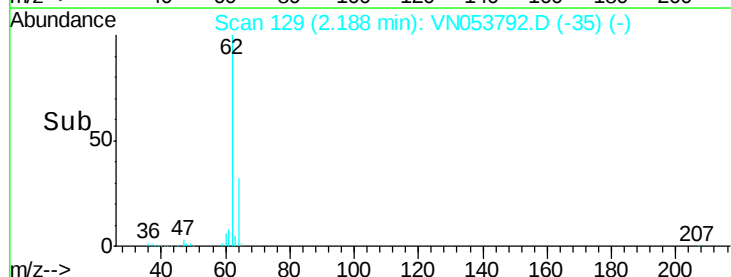
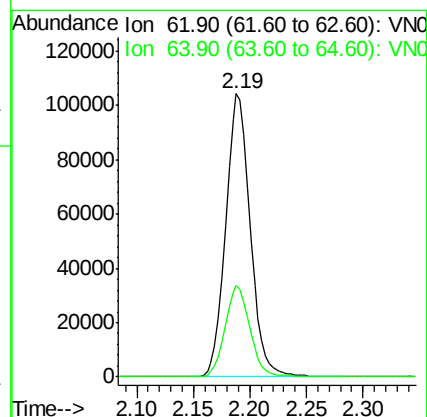
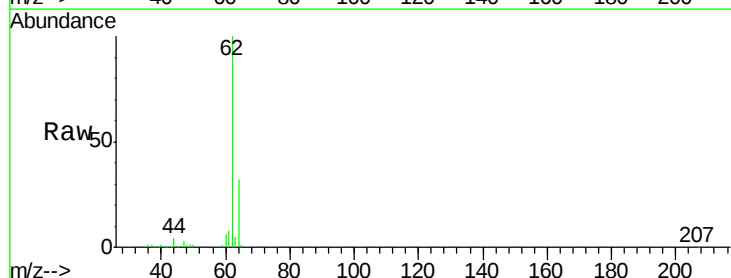
Acq: 15 Feb 2019 11:43

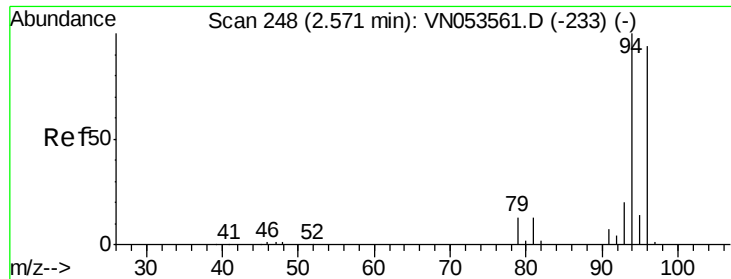
Tgt Ion: 62 Resp: 157844

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2





#5

Bromomethane

Concen: 22.501 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS01

Tot Ion: 94 Resp: 110854

Ion Ratio Lower Upper

94 100

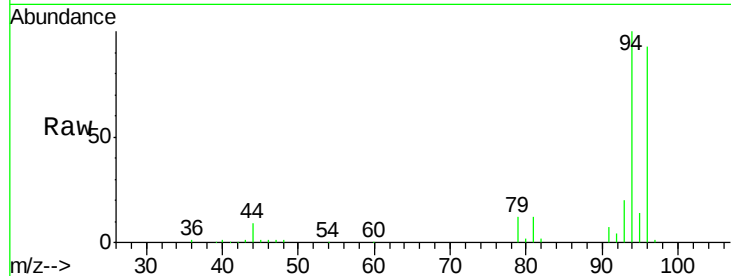
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Manual Integrations

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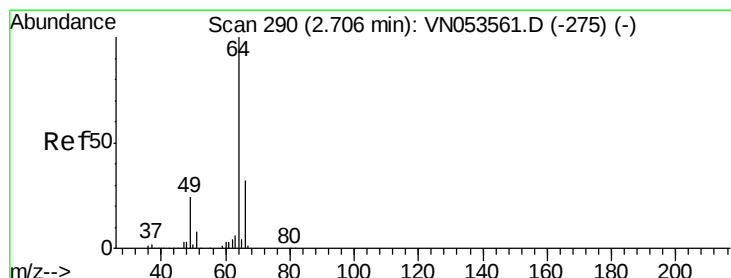
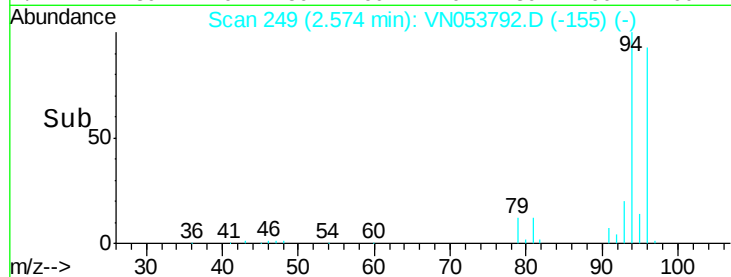
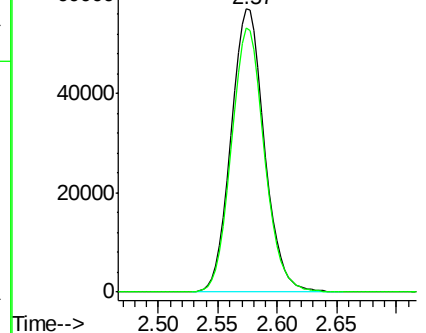
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 22.207 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053792.D

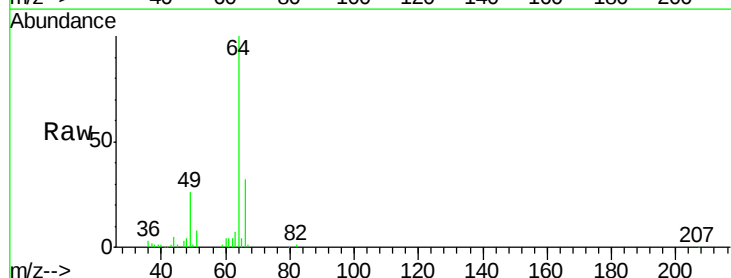
Acq: 15 Feb 2019 11:43

Tgt Ion: 64 Resp: 95620

Ion Ratio Lower Upper

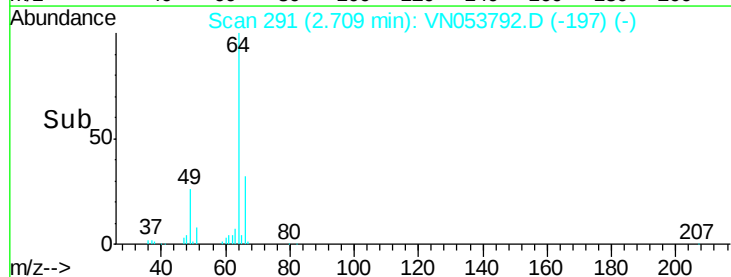
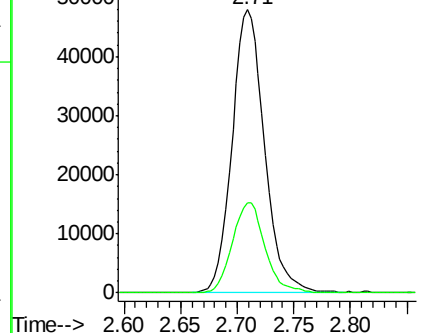
64 100

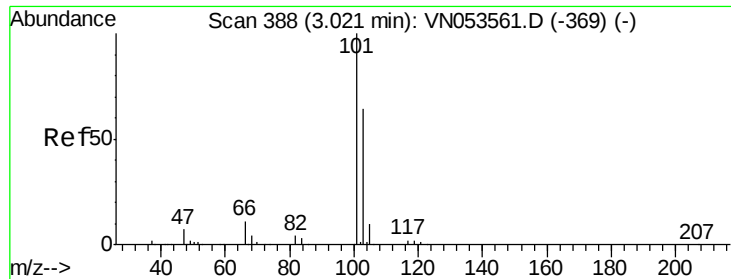
66 31.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

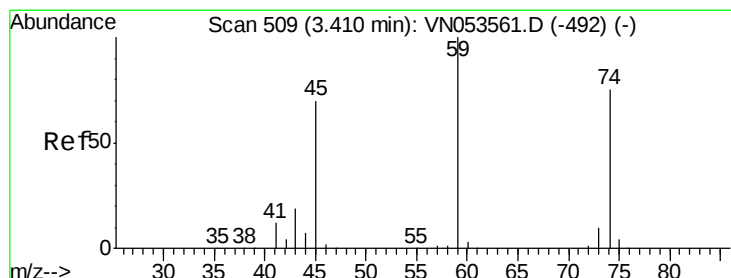
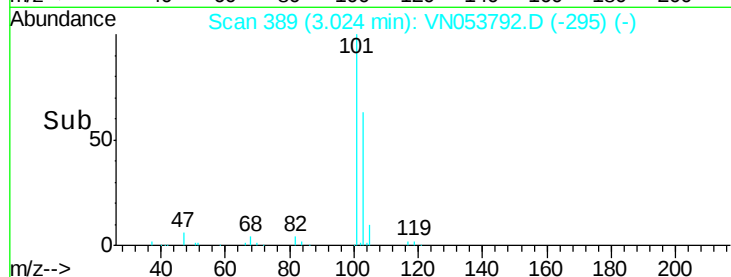
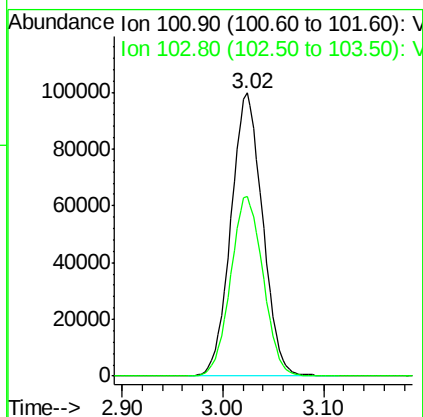
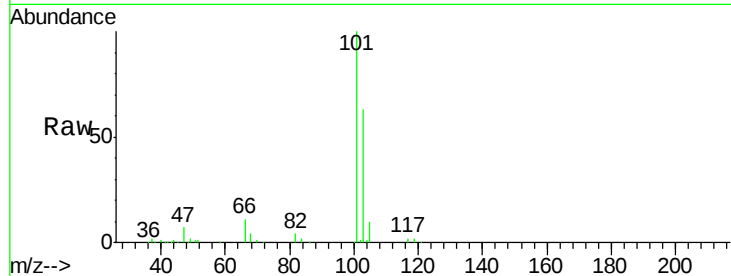
Trichlorofluoromethane
Concen: 21.279 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.6	77.4

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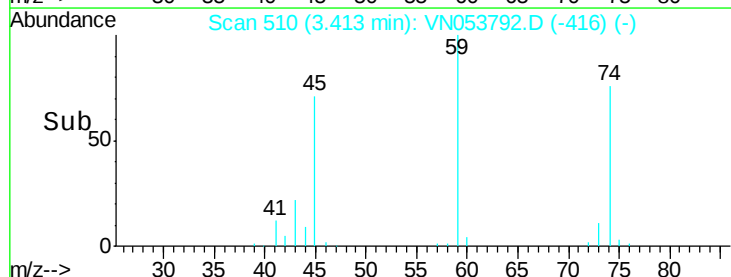
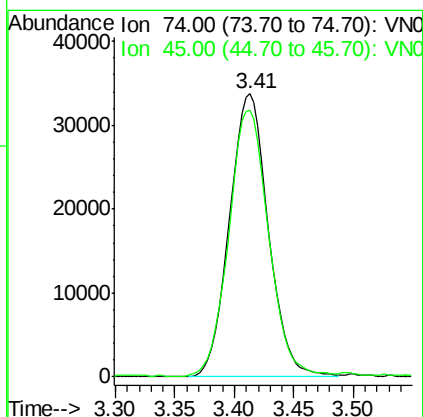
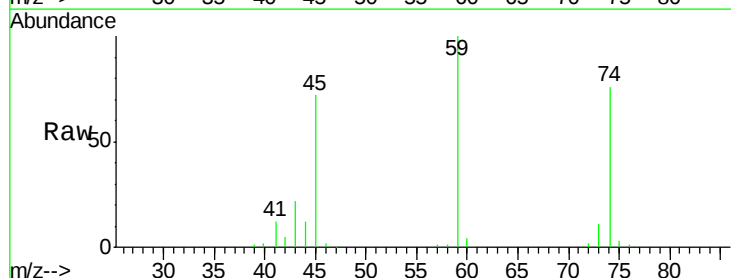
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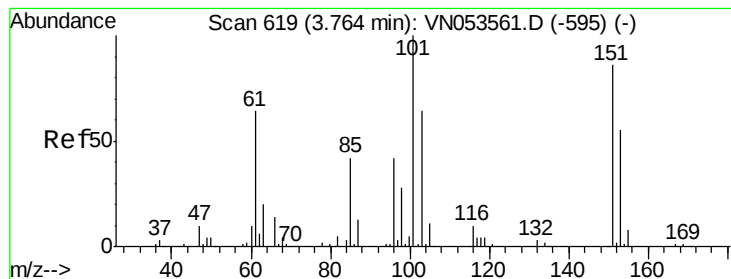


#8

Diethyl Ether
Concen: 20.484 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.144 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

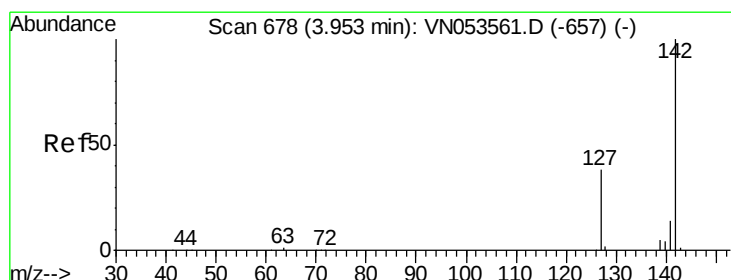
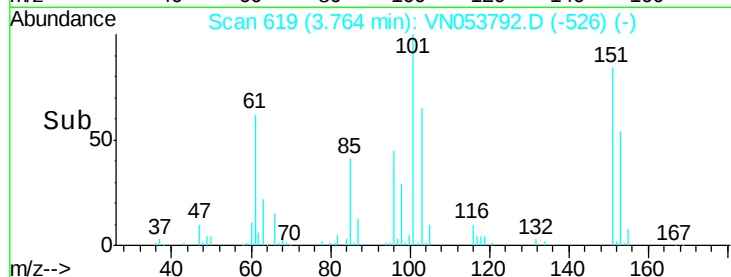
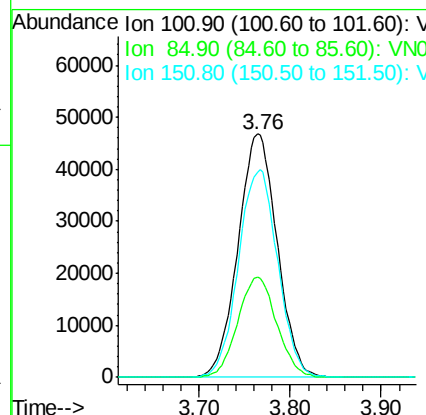
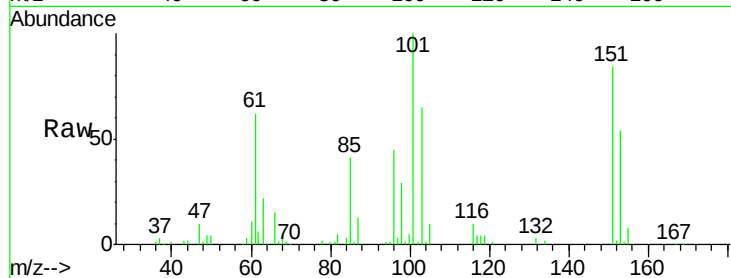
ClientSampleId :

VN0215WBS01

Tot Ion:	101	Resp:	139937
Ion Ratio	Lower	Upper	
101	100		
85	40.8	32.8	49.2
151	85.6	66.9	100.3

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#10

Methyl Iodide

Concen: 18.004 ug/l

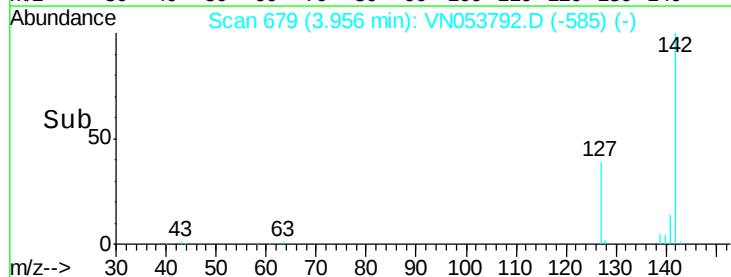
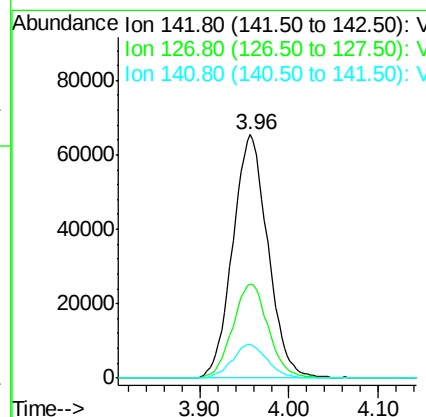
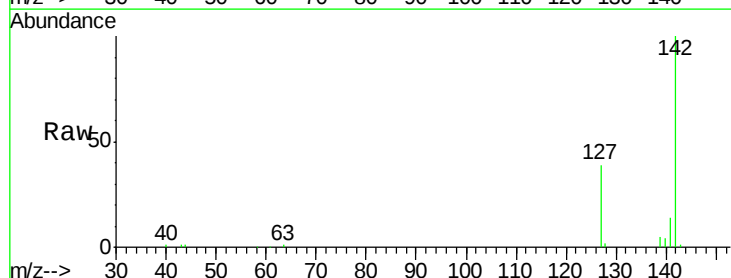
RT: 3.96 min Scan# 679

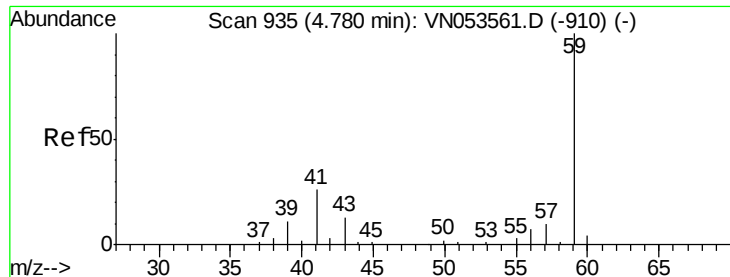
Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Tgt Ion:	142	Resp:	178576
Ion Ratio	Lower	Upper	
142	100		
127	39.3	31.0	46.4
141	13.9	11.1	16.7





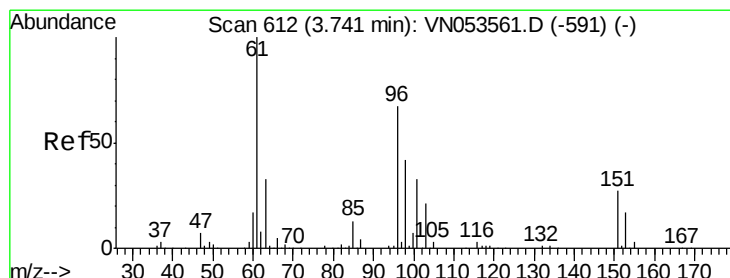
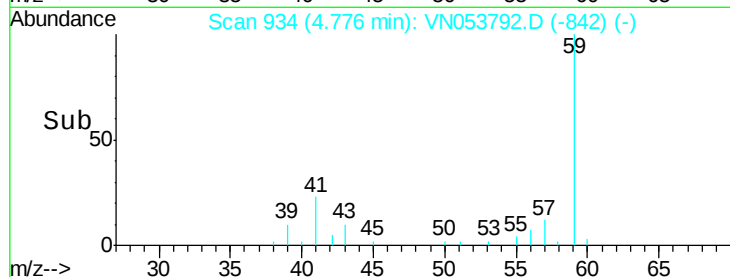
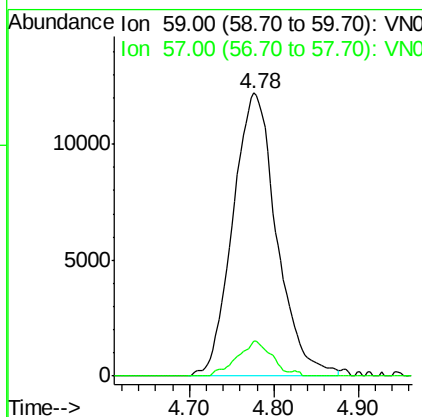
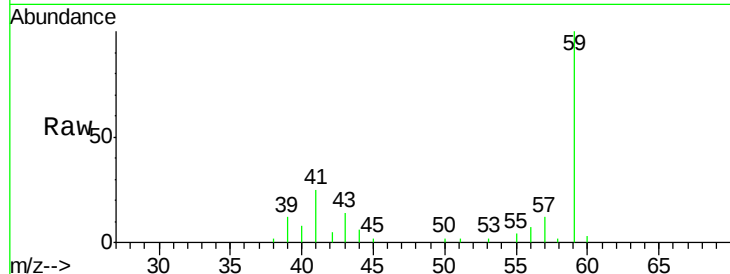
#11
Tert butyl alcohol
Concen: 113.459 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	44042		
57	9.6		8.2	12.4

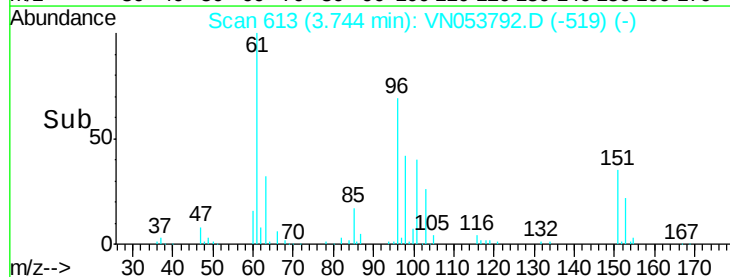
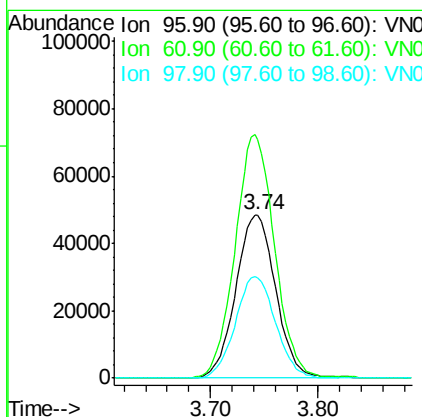
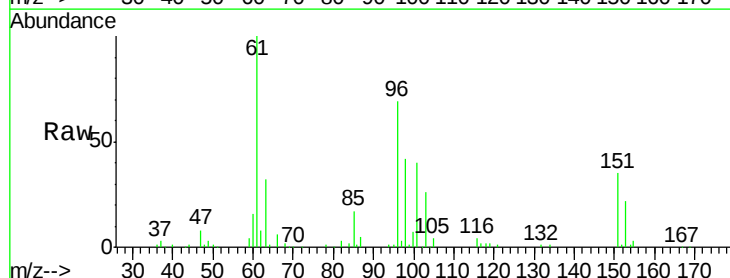
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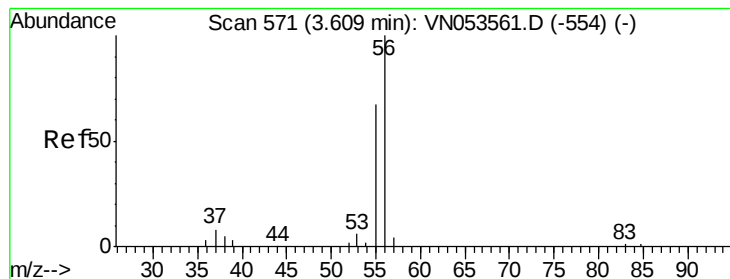
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#12
1,1-Dichloroethene
Concen: 20.526 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	124273		
61	145.9		122.9	184.3
98	61.4		49.4	74.0





#13

Acrolein

Concen: 72.015 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS01

Tot Ion: 56 Resp: 15220

Ion Ratio Lower Upper

56 100

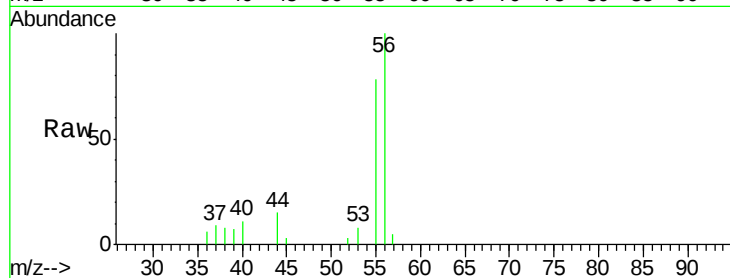
55 70.3 57.4 86.0

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

6000

5000

4000

3000

2000

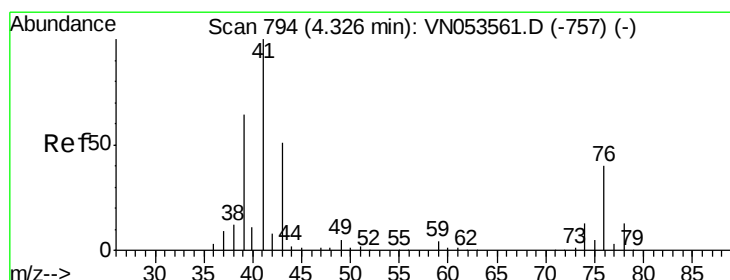
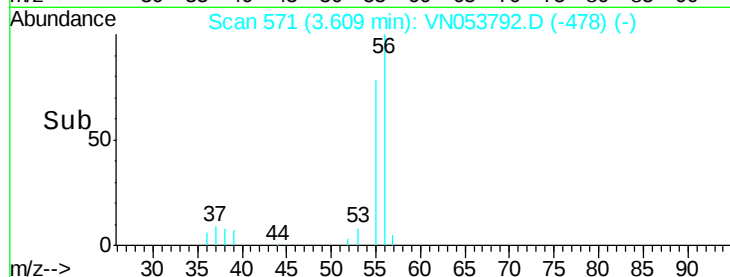
1000

0

Time-->

3.55 3.60 3.65 3.70

3.61



#14

Allyl chloride

Concen: 18.823 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

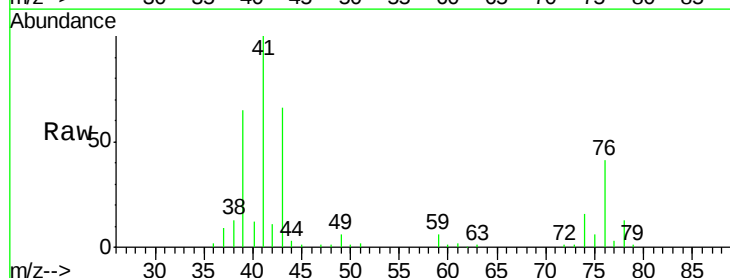
Tgt Ion: 41 Resp: 181452

Ion Ratio Lower Upper

41 100

39 65.5 48.9 73.3

76 40.9 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

80000

60000

40000

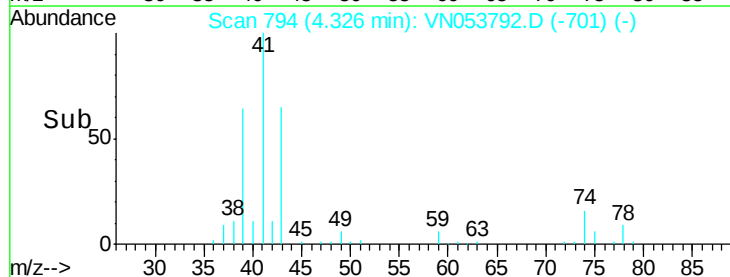
20000

0

Time-->

4.30 4.40

4.33





#15

Acrylonitrile

Concen: 112.507 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

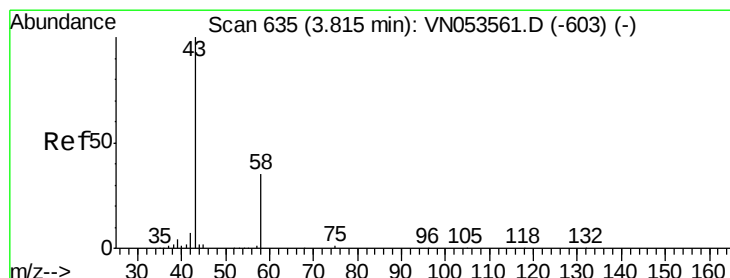
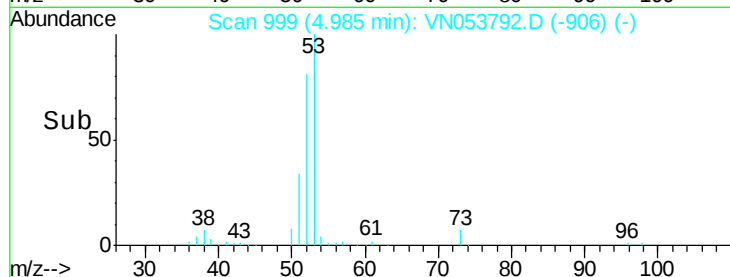
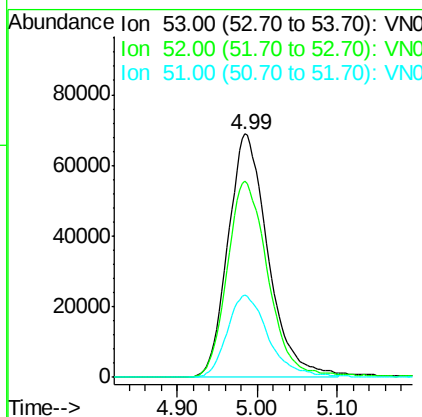
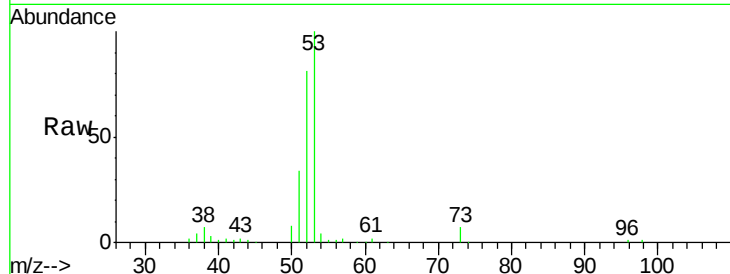
ClientSampleId :

VN0215WBS01

Tot Ion:	53	Resp:	235764
Ion Ratio	Lower	Upper	
53	100		
52	80.2	66.0	99.0
51	35.0	28.3	42.5

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#16

Acetone

Concen: 122.951 ug/l

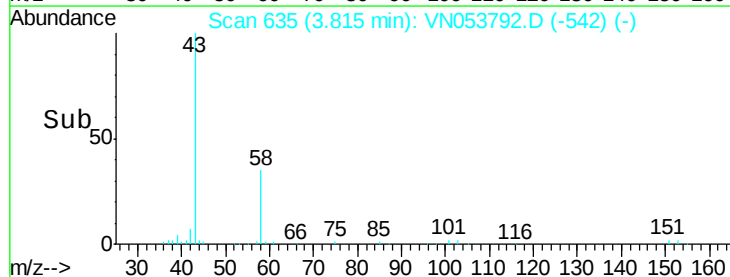
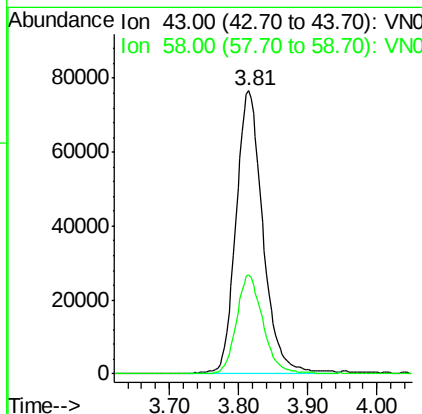
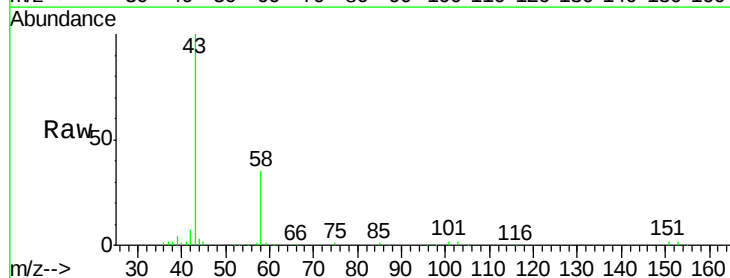
RT: 3.81 min Scan# 635

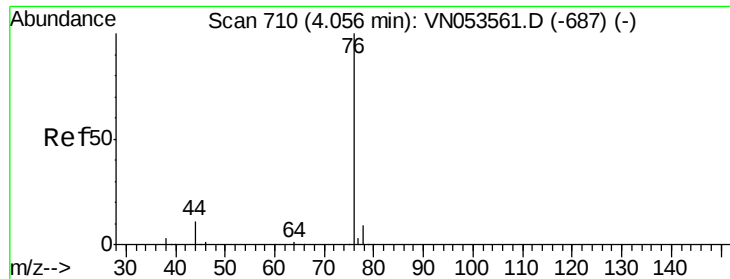
Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Tgt Ion:	43	Resp:	206851
Ion Ratio	Lower	Upper	
43	100		
58	35.1	27.1	40.7





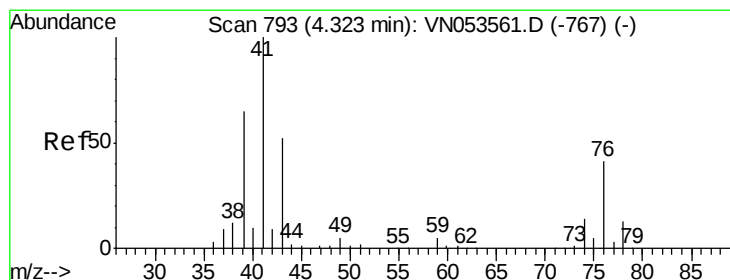
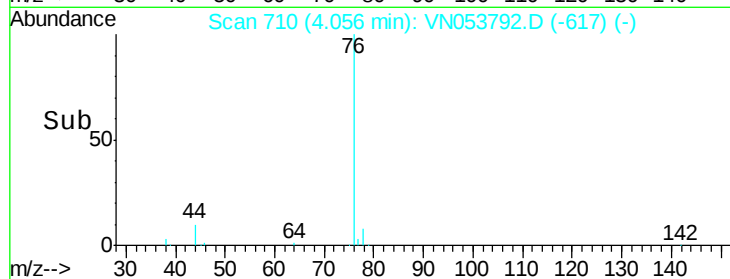
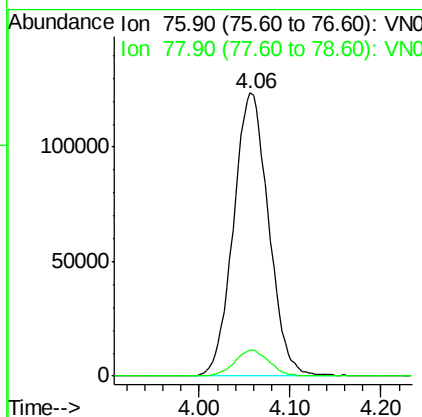
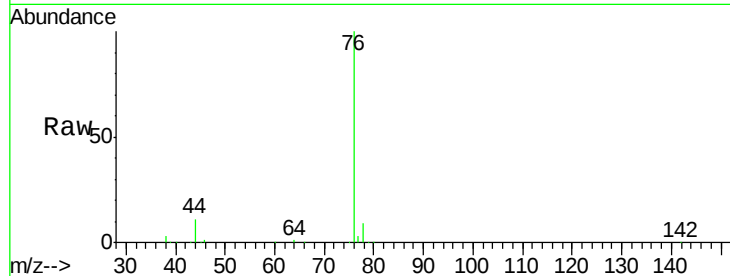
#17
Carbon Disulfide
Concen: 17.615 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

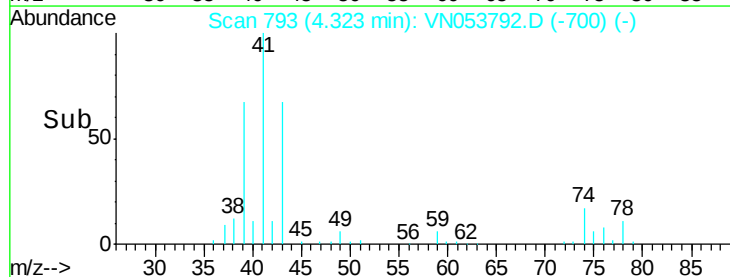
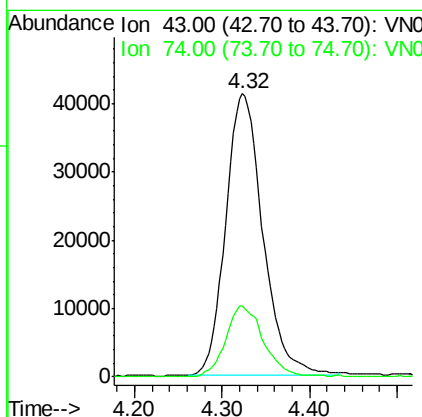
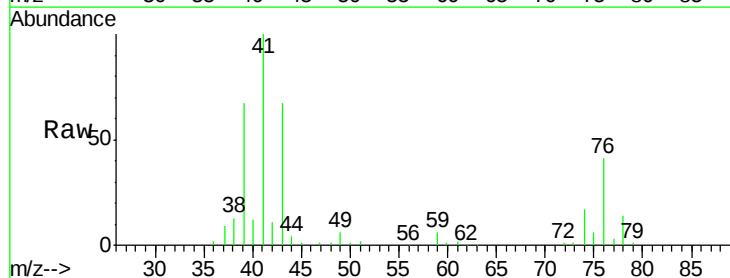
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#18
Methyl Acetate
Concen: 24.517 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.4	29.2





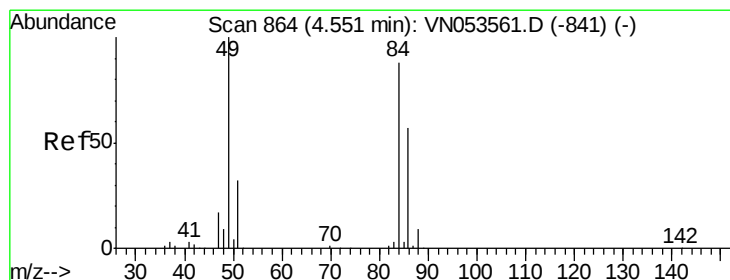
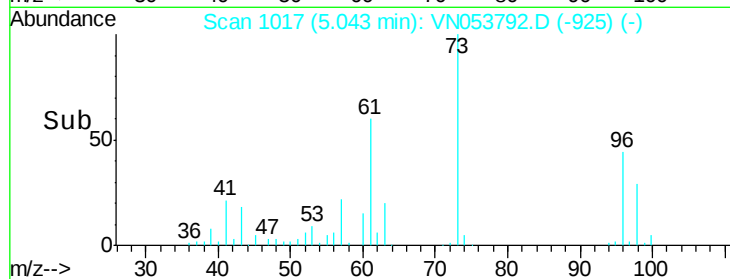
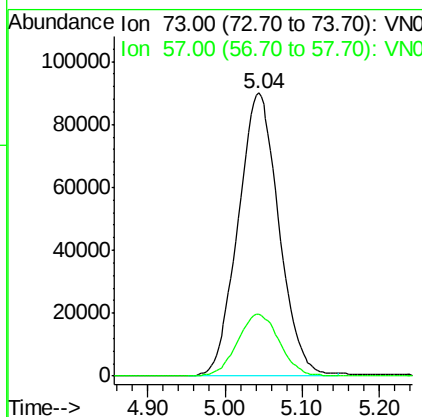
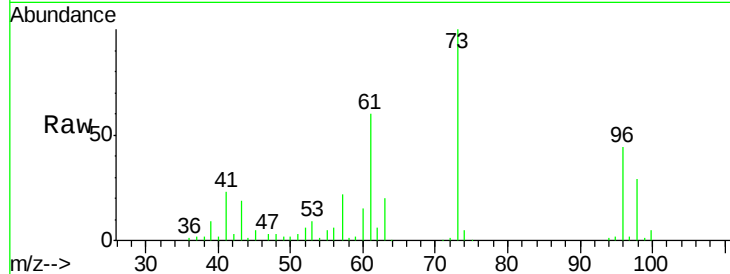
#19
Methvl tert-butvl Ether
Concen: 21.552 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS01

Tot Ion: 73 Resp: 330791
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5

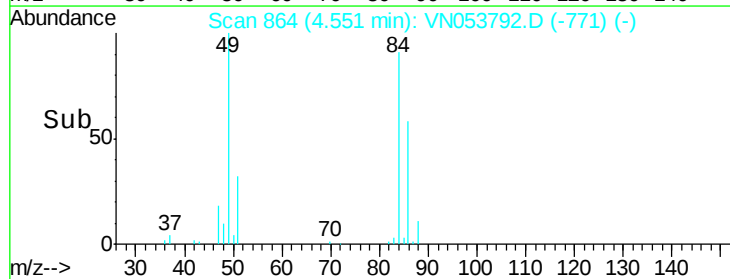
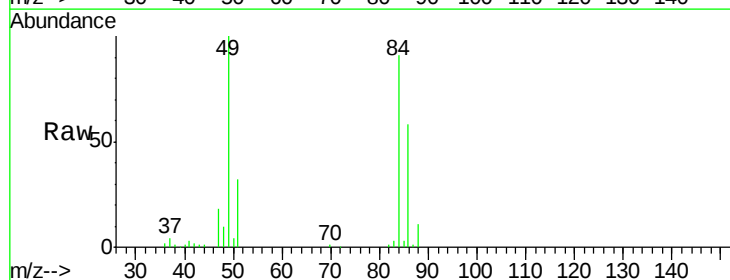
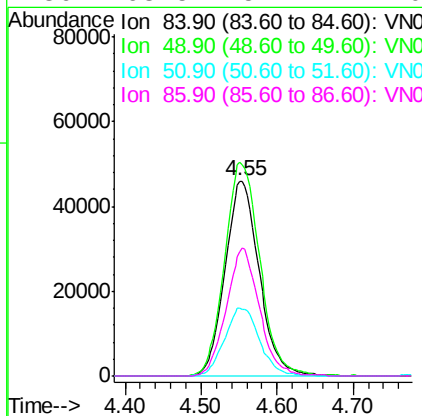
Manual Integrations
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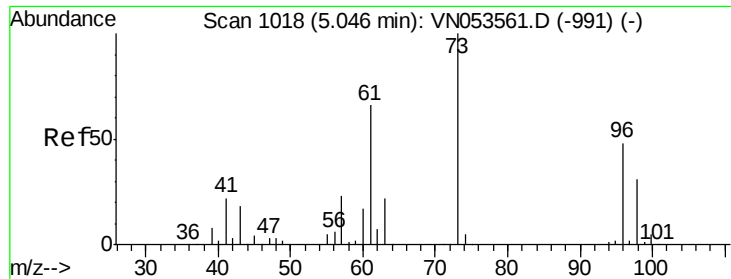
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#20
Methylene Chloride
Concen: 20.412 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion: 84 Resp: 144073
Ion Ratio Lower Upper
84 100
49 109.5 94.3 141.5
51 34.6 29.4 44.2
86 63.5 51.4 77.0





#21

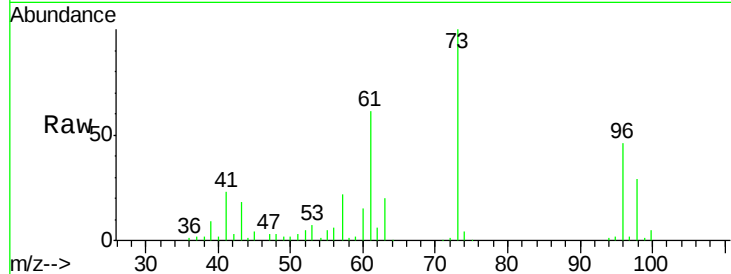
trans-1,2-Dichloroethene
Concen: 19.635 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.1	110.1	165.1
98	64.7	50.0	75.0

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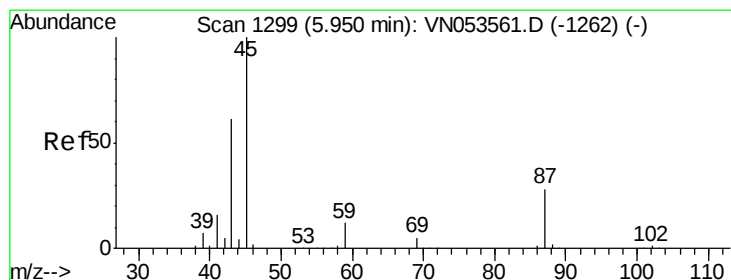
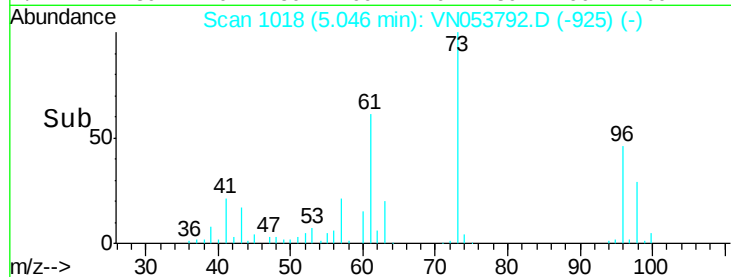
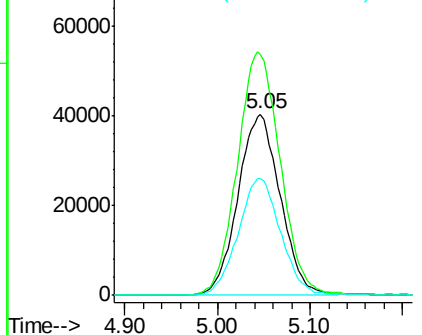


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether
Concen: 20.145 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.3	44.2	66.4
87	28.4	22.7	34.1
59	12.1	9.4	14.2

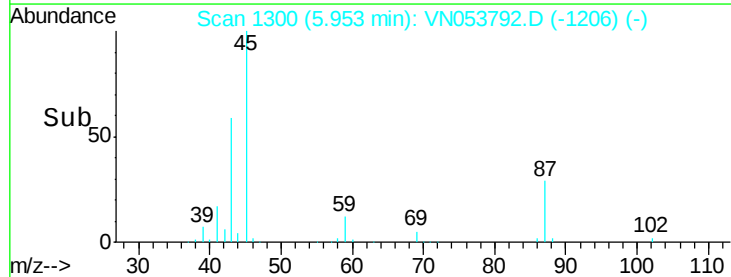
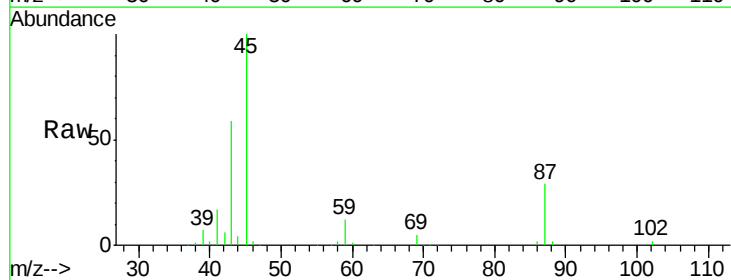
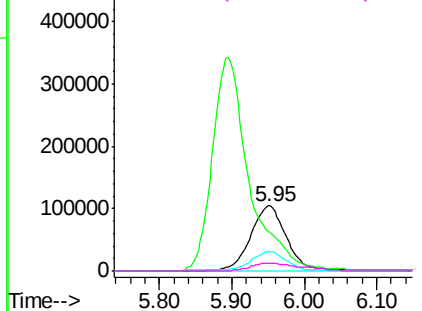
Abundance

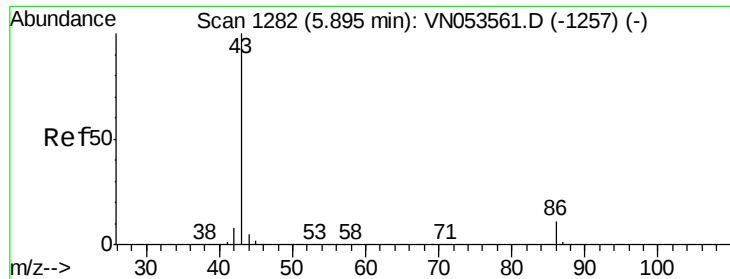
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 97.963 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS01

Tot Ion: 43 Resp: 1210495

Ion Ratio Lower Upper

43 100

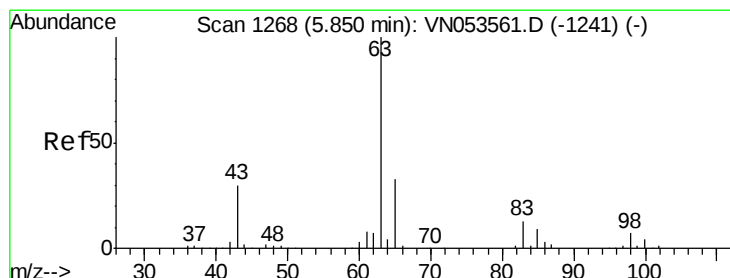
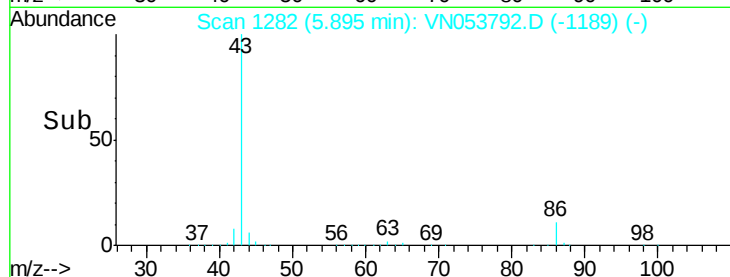
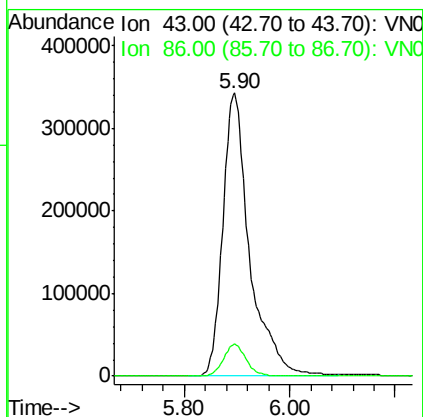
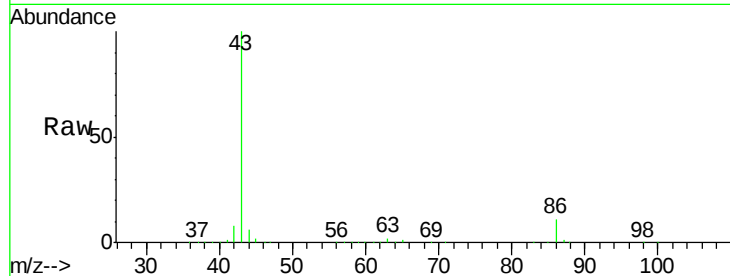
86 11.3 8.4 12.6

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#24

1,1-Dichloroethane

Concen: 19.567 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

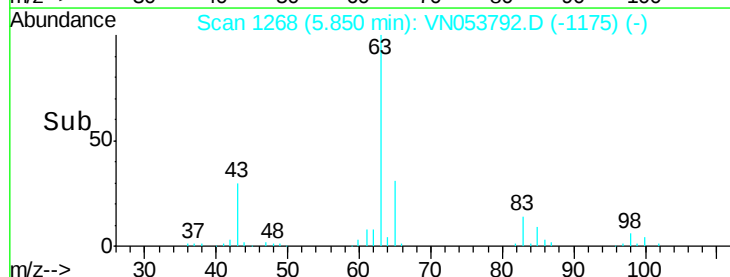
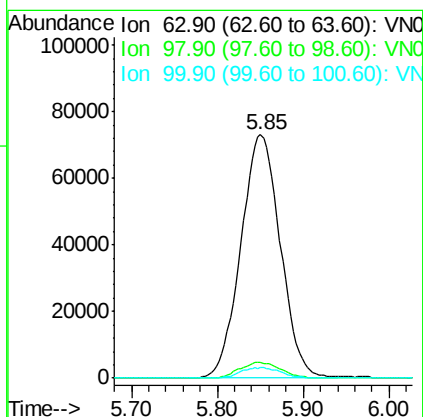
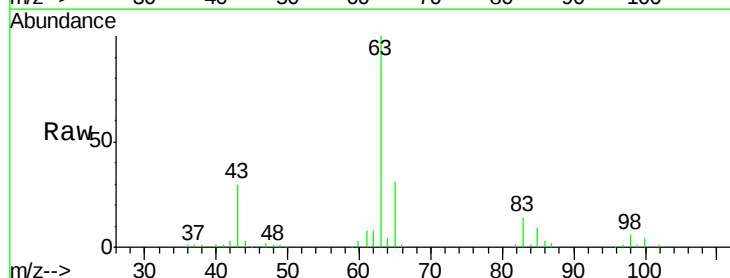
Tgt Ion: 63 Resp: 233120

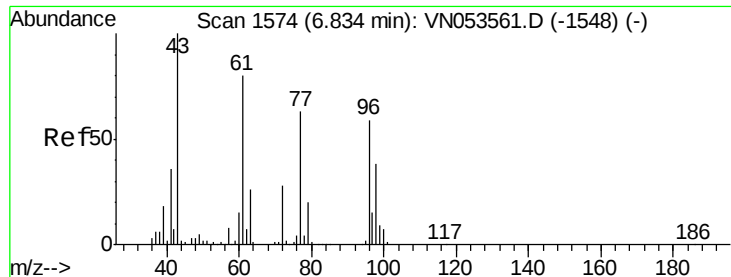
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 106.119 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

ClientSampled :

VN0215WBS01

Tot Ion: 43 Resp: 254627

Ion Ratio Lower Upper

43 100

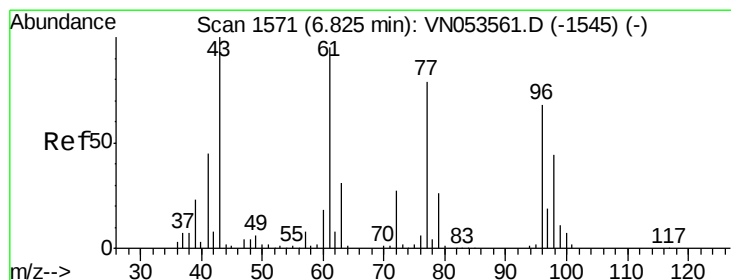
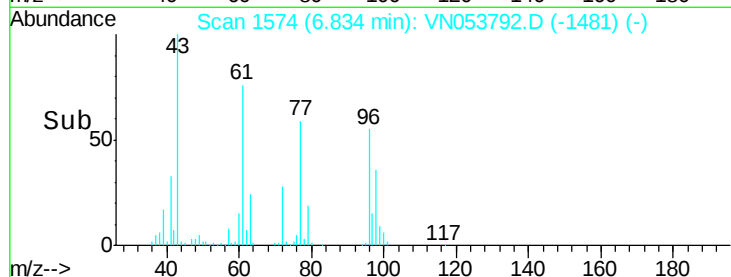
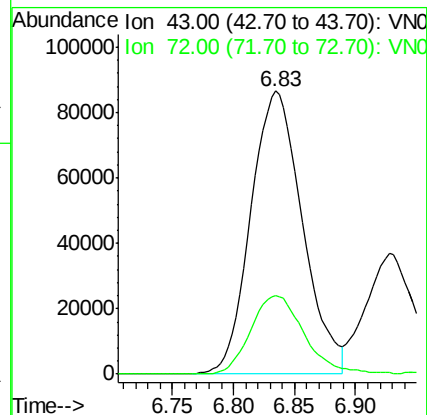
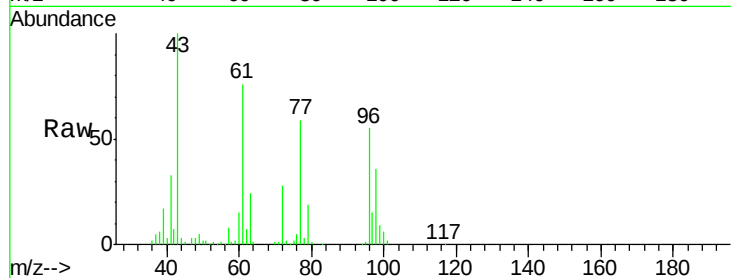
72 27.6 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.990 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053792.D

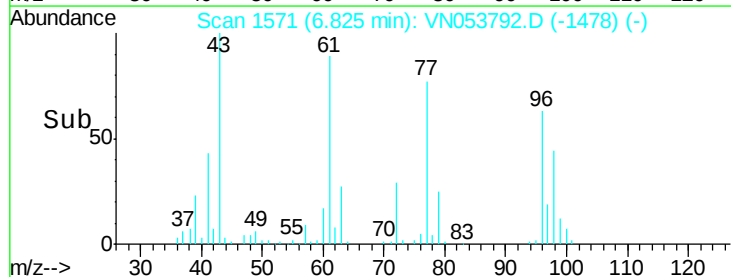
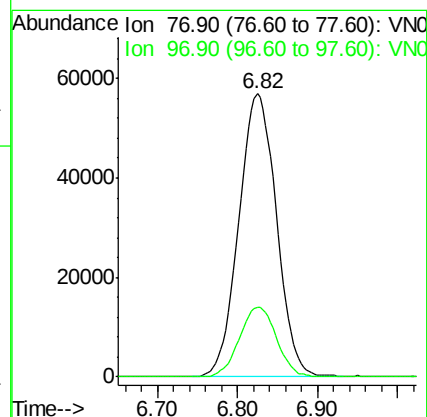
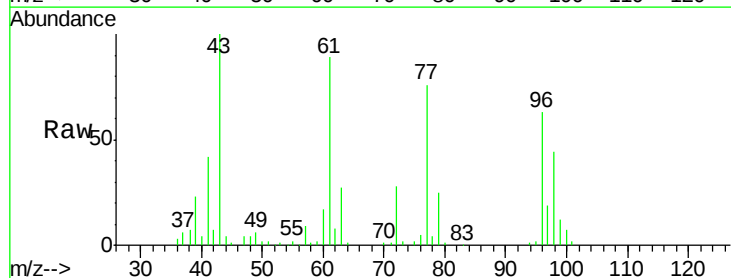
Acq: 15 Feb 2019 11:43

Tgt Ion: 77 Resp: 181795

Ion Ratio Lower Upper

77 100

97 24.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.713 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

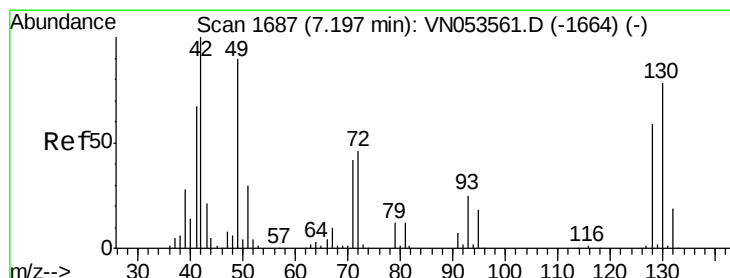
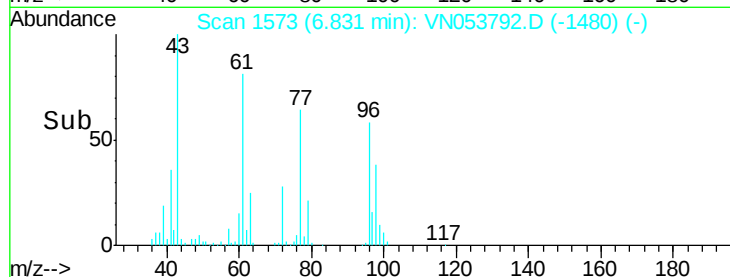
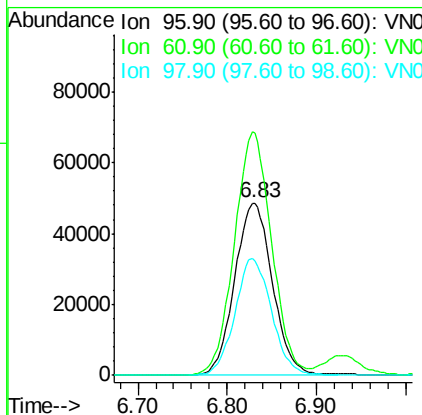
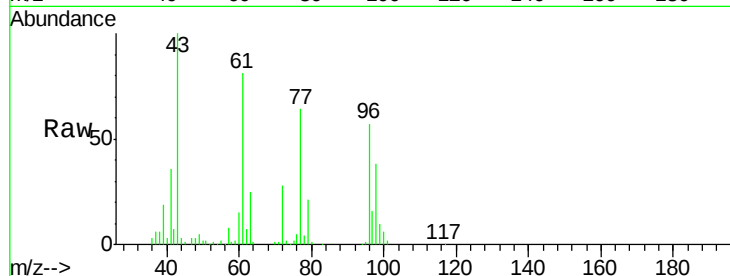
ClientSampleId :

VN0215WBS01

Tot Ion:	96	Resp:	143183
Ion Ratio	Lower	Upper	
96	100		
61	139.0	0.0	283.8
98	65.9	0.0	129.2

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#28

Bromochloromethane

Concen: 20.201 ug/l

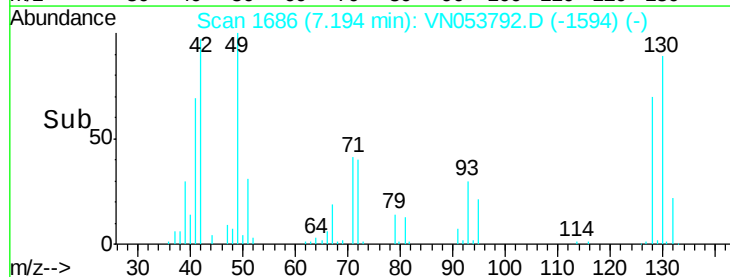
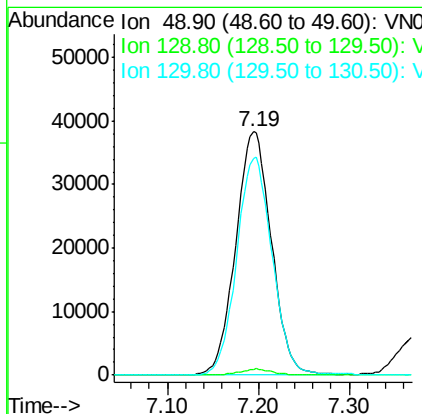
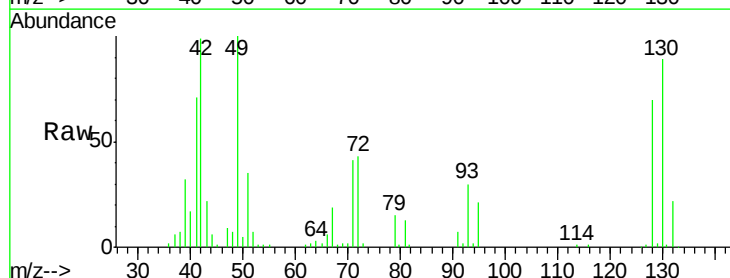
RT: 7.19 min Scan# 1686

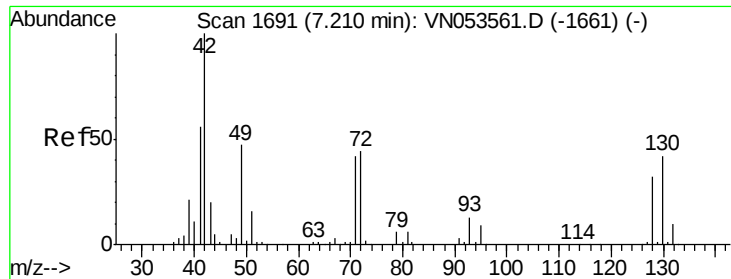
Delta R.T. -0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Tgt Ion:	49	Resp:	104443
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.0
130	88.9	66.3	99.5





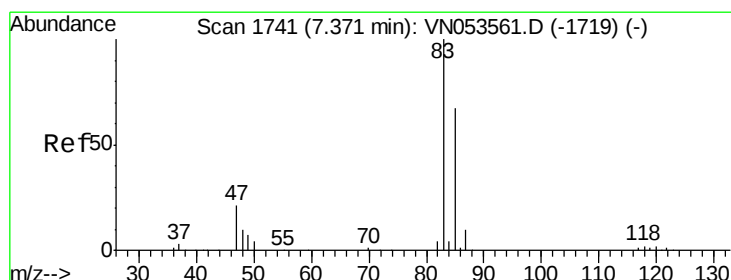
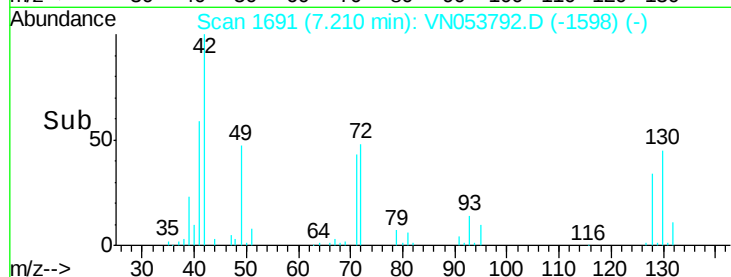
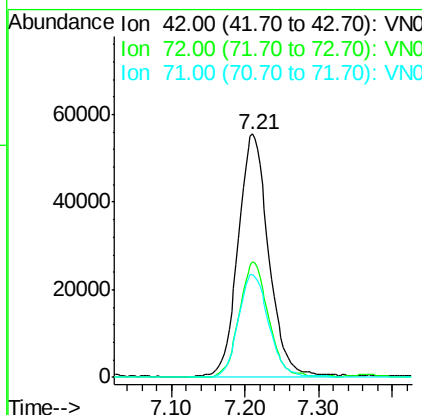
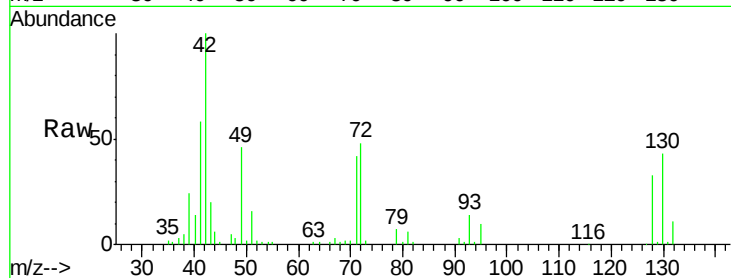
#29
Tetrahydrofuran
Concen: 105.060 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.2	52.8
71	41.4	33.0	49.4

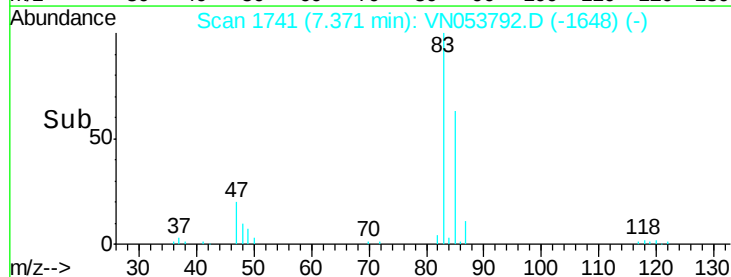
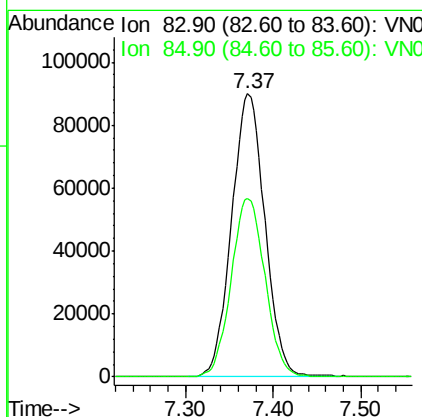
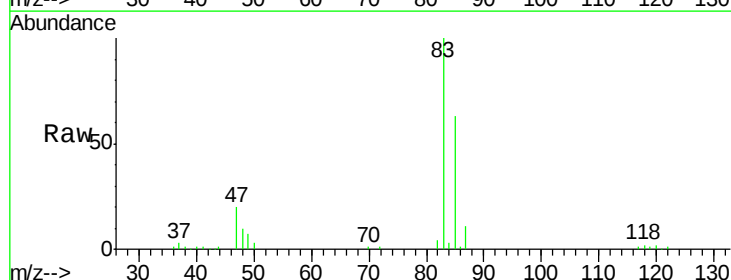
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#30
Chloroform
Concen: 20.132 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.2	78.2





#31

Cyclohexane

Concen: 18.501 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

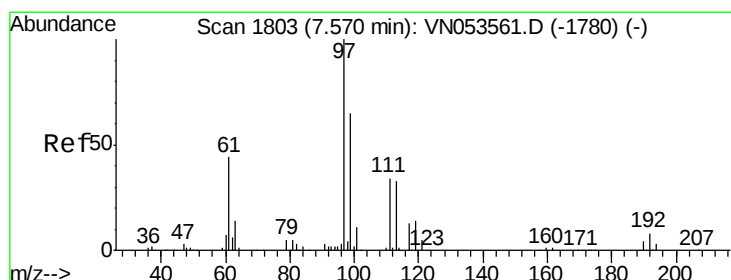
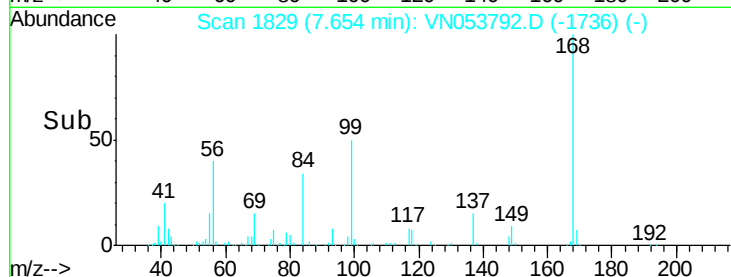
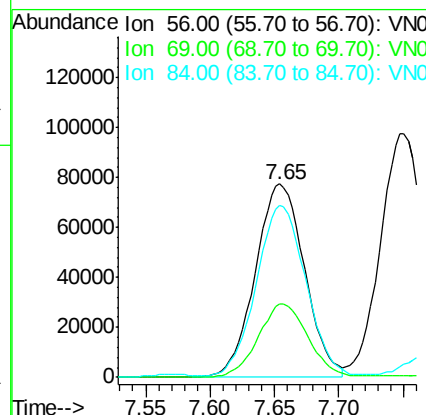
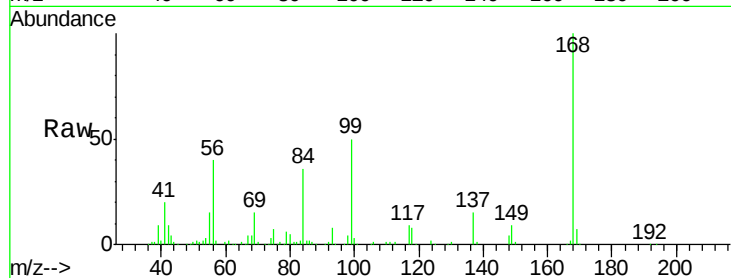
ClientSampled :

VN0215WBS01

Tot Ion	56	Resp	206396
Ion Ratio	Lower	Upper	
56	100		
69	38.2	26.4	39.6
84	88.0	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.018 ug/l

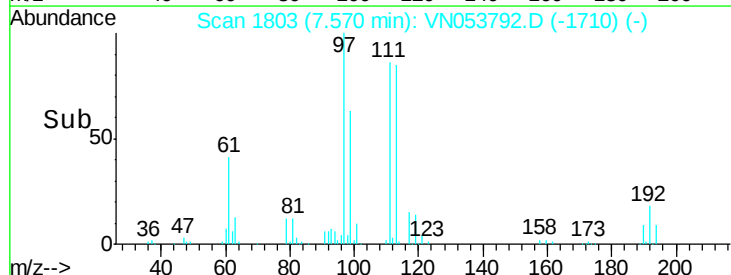
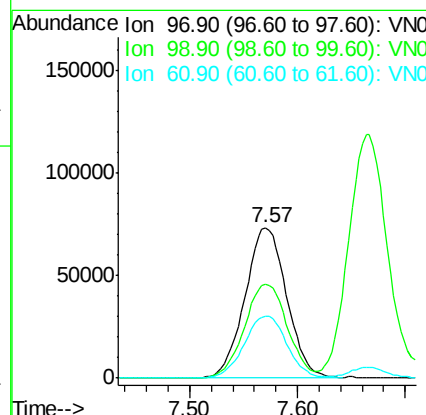
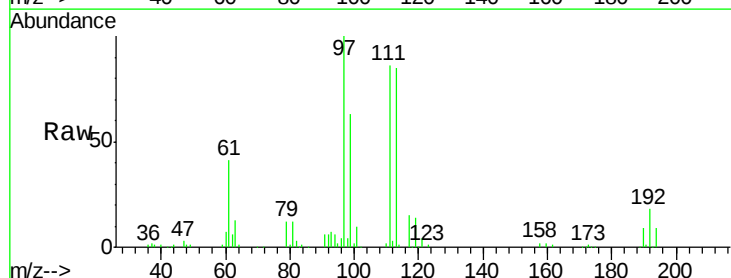
RT: 7.57 min Scan# 1803

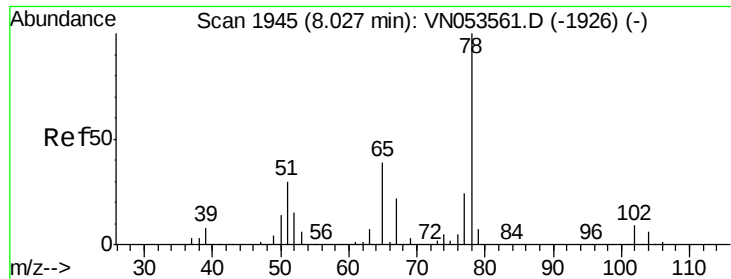
Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Tgt Ion	97	Resp	196743
Ion Ratio	Lower	Upper	
97	100		
99	64.1	52.0	78.0
61	42.0	34.4	51.6





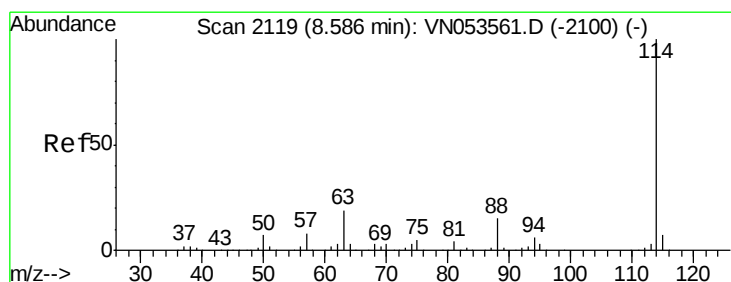
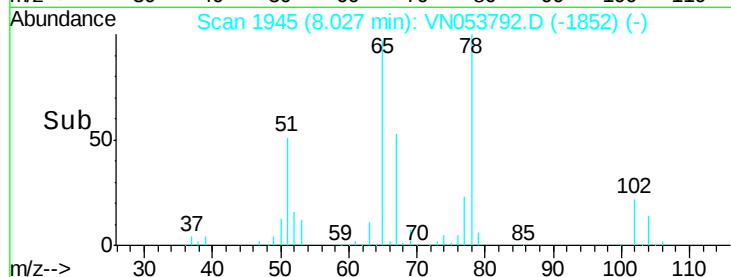
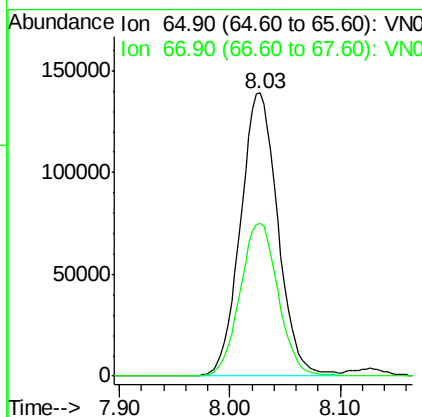
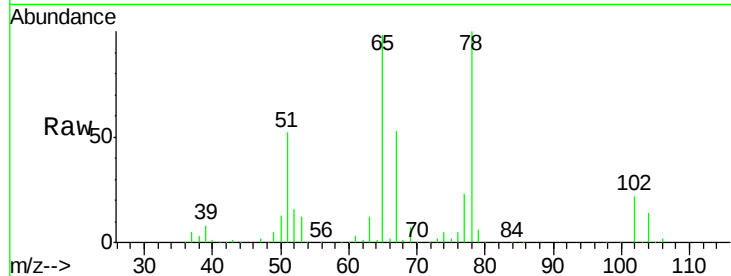
#33
 1,2-Dichloroethane-d4
 Concen: 49.799 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.0	0.0	111.2	

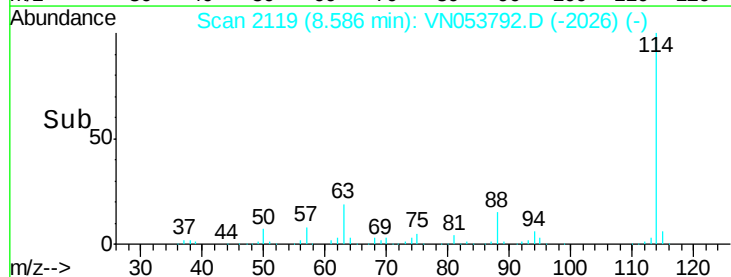
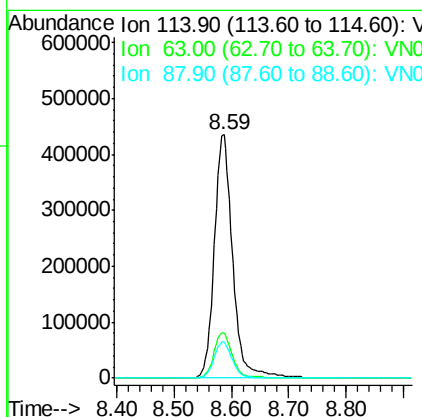
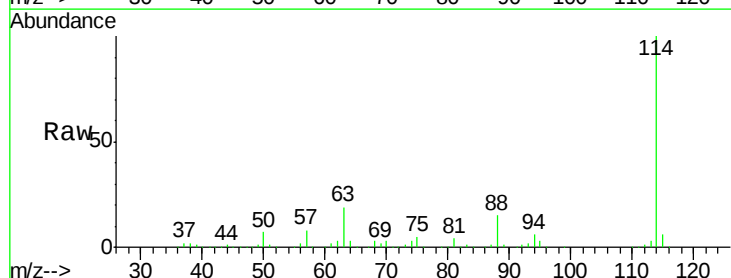
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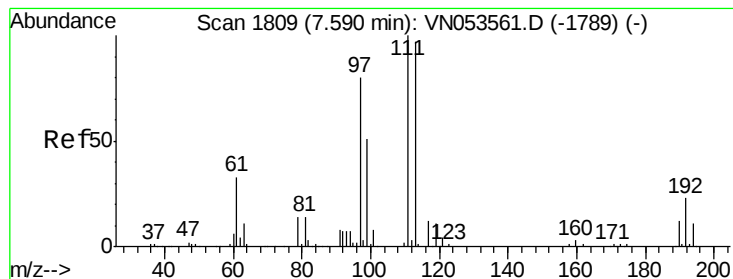
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.6	0.0	38.6	
88	14.9	0.0	30.4	





#35

Dibromofluoromethane

Concen: 51.351 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

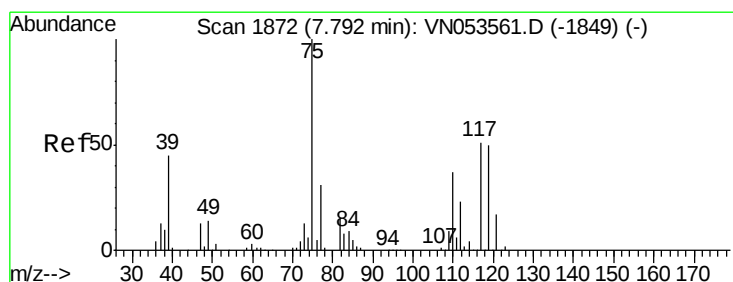
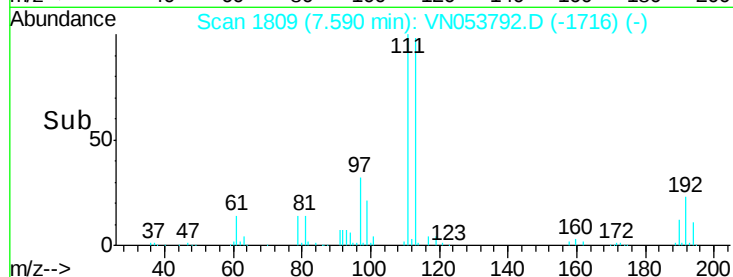
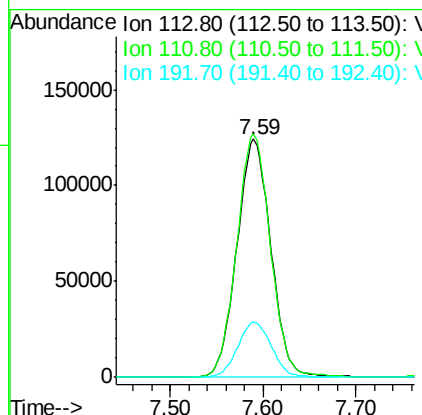
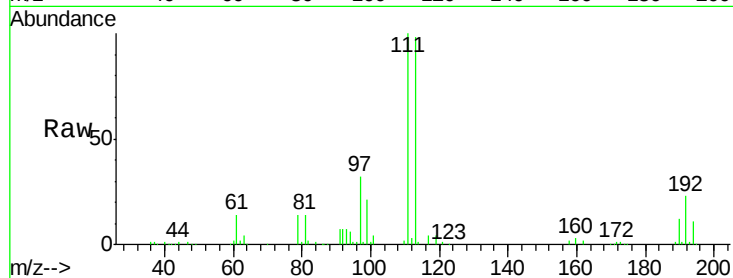
ClientSampleId :

VN0215WBS01

Tot Ion:	113	Resp:	315693
Ion Ratio	Lower	Upper	
113	100		
111	101.9	81.1	121.7
192	23.2	18.2	27.2

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#36

1,1-Dichloropropene

Concen: 19.928 ug/l

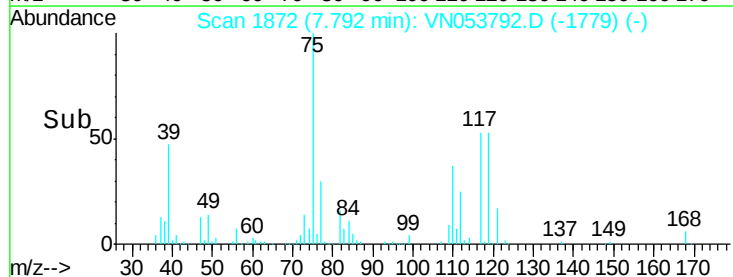
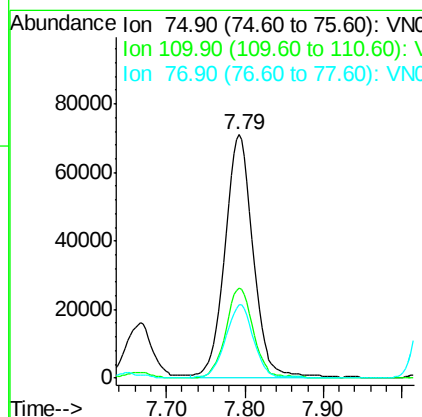
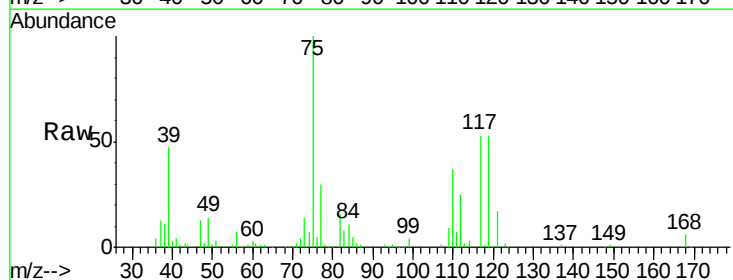
RT: 7.79 min Scan# 1872

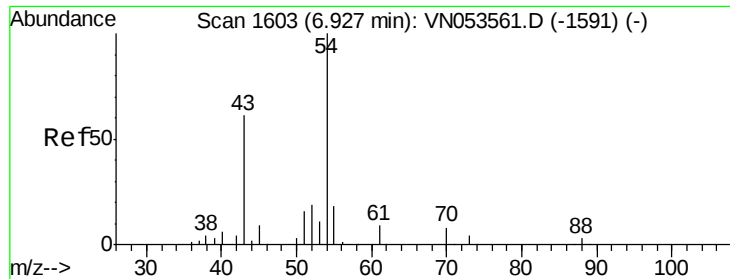
Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Tgt Ion:	75	Resp:	174782
Ion Ratio	Lower	Upper	
75	100		
110	36.1	18.1	54.3
77	30.0	25.1	37.7





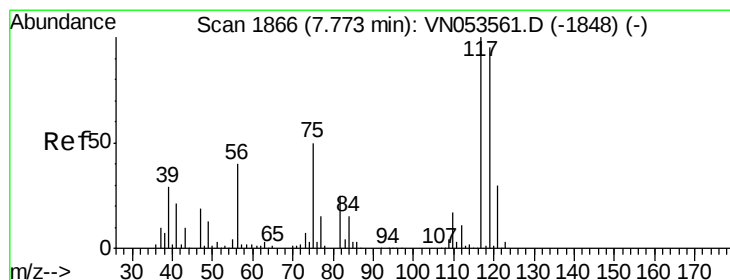
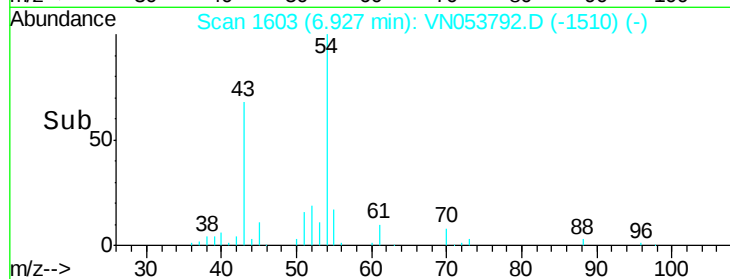
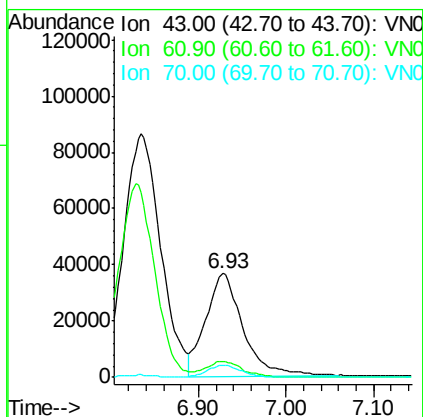
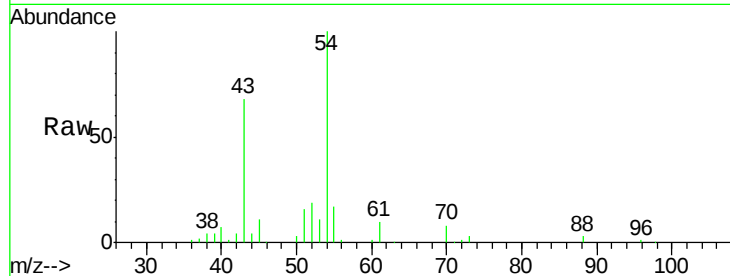
#37
Ethyl Acetate
Concen: 21.956 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.6
70	10.9	8.6	12.8

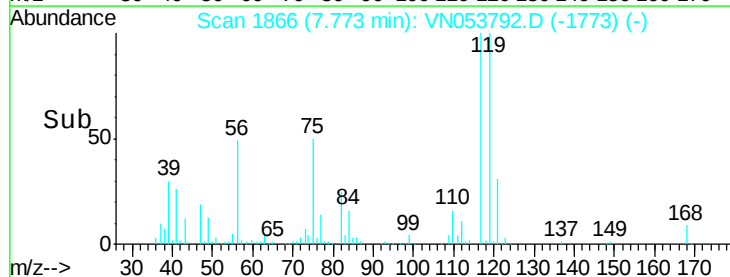
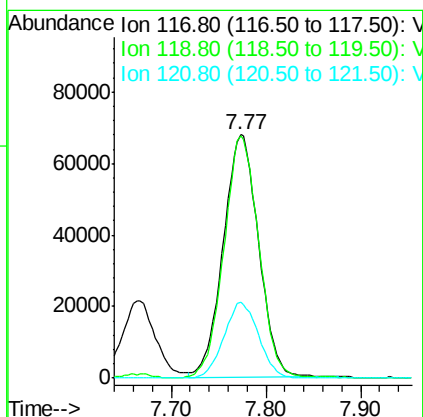
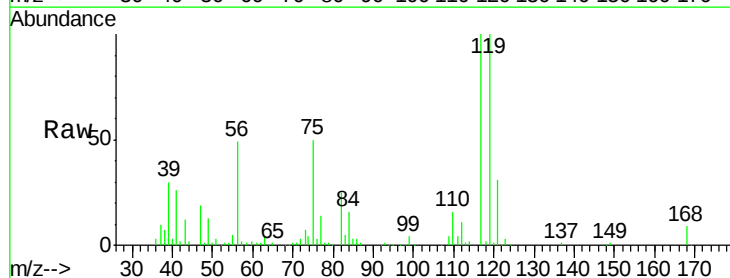
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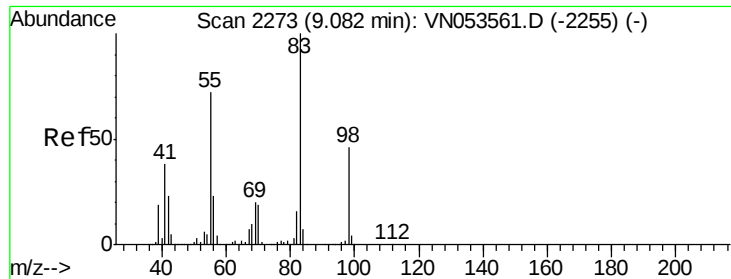
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#38
Carbon Tetrachloride
Concen: 19.971 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	77.2	115.8
121	31.1	24.6	37.0





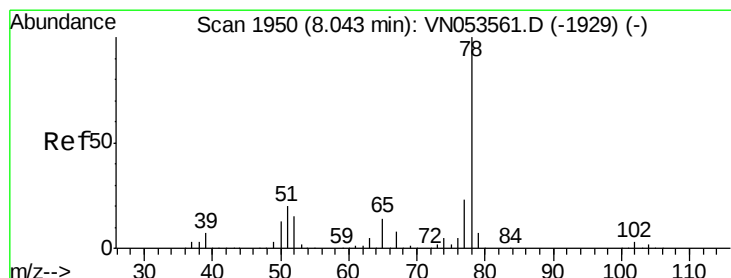
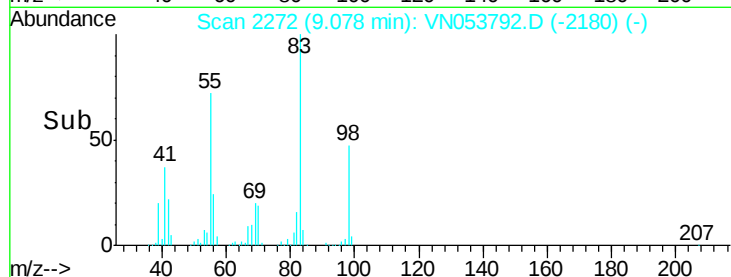
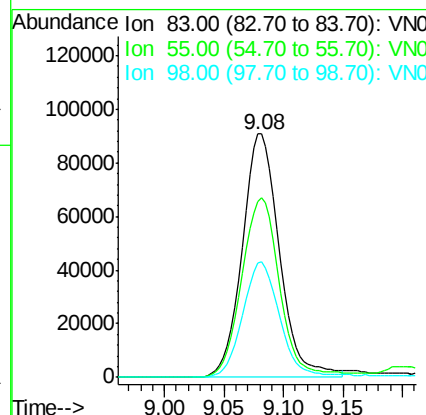
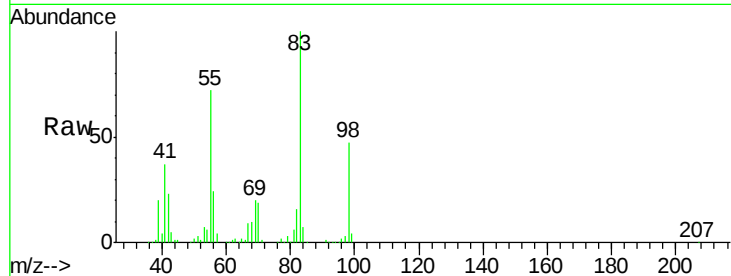
#39
Methvlcvclohexane
Concen: 18.942 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	60.1	90.1
98	46.9	36.6	55.0

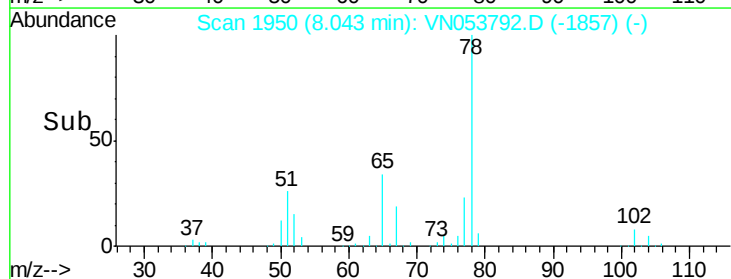
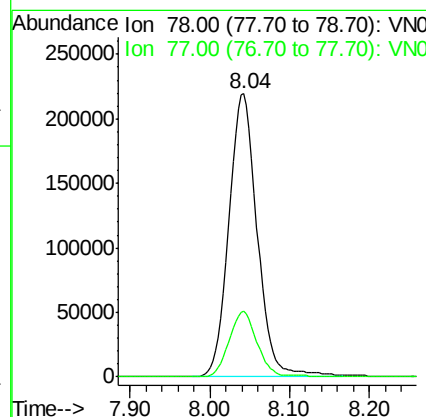
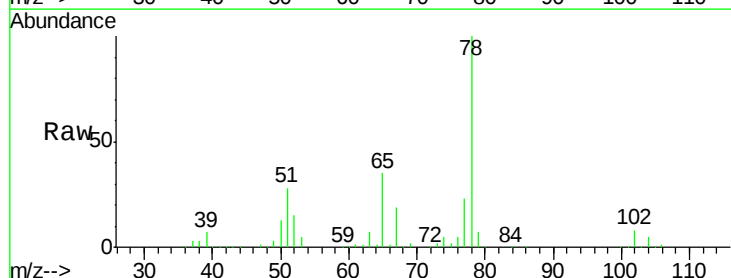
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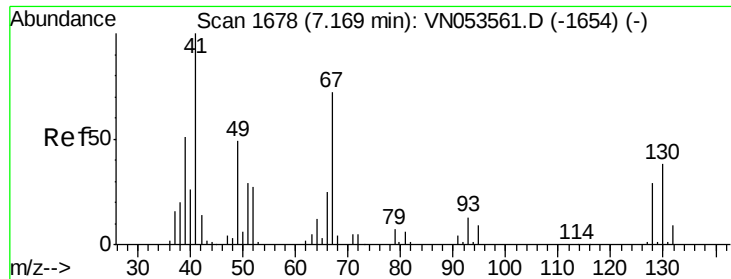
MMDadoda
2/18/2019 9:48:06 AM



#40
Benzene
Concen: 19.819 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





#41

Methacrylonitrile

Concen: 25.437 ug/l m

RT: 7.19 min Scan# 1685

Delta R.T. 0.02 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS01

Tot Ion: 41 Resp: 69639

Ion Ratio Lower Upper

41 100

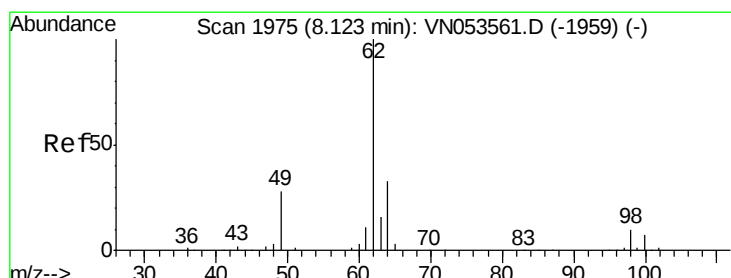
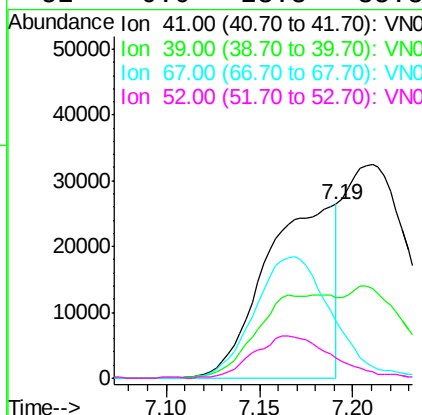
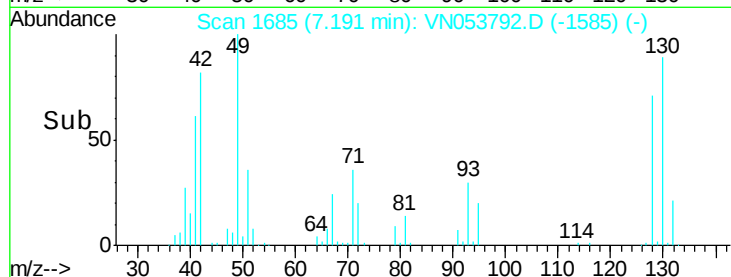
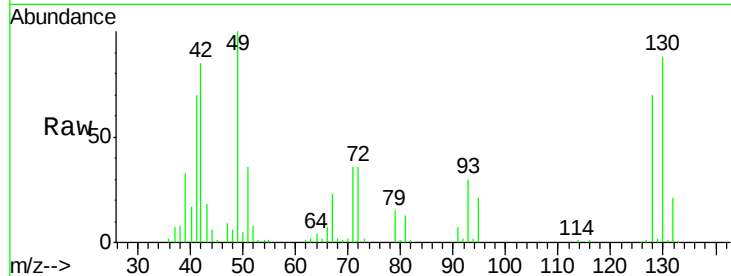
39 0.0 46.8 70.2#

67 0.0 63.0 94.6#

52 0.0 23.8 35.8#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.201 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN053792.D

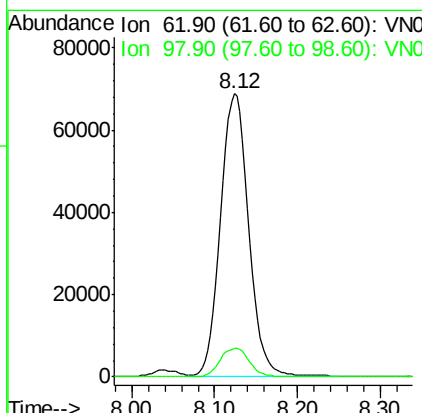
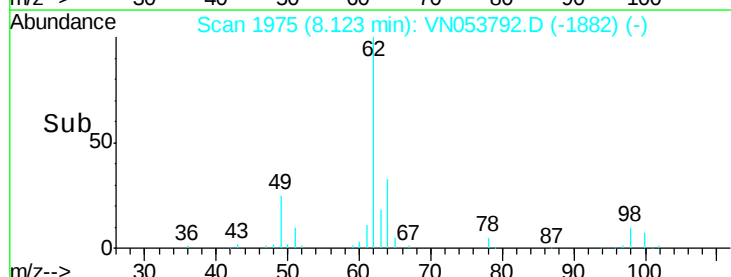
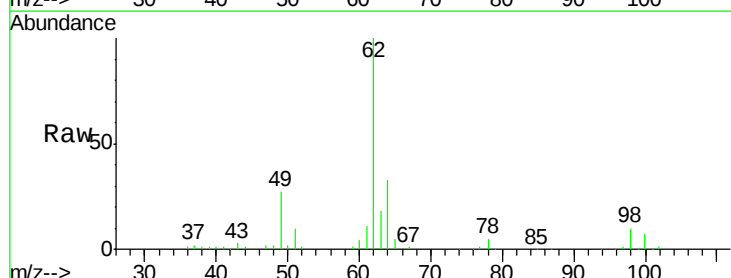
Acq: 15 Feb 2019 11:43

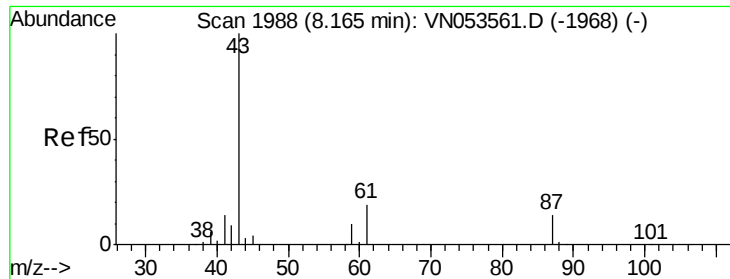
Tgt Ion: 62 Resp: 162221

Ion Ratio Lower Upper

62 100

98 10.5 0.0 19.6





#43

Isopropyl Acetate

Concen: 19.670 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

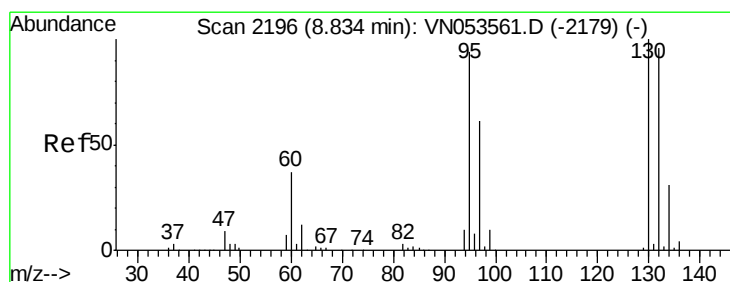
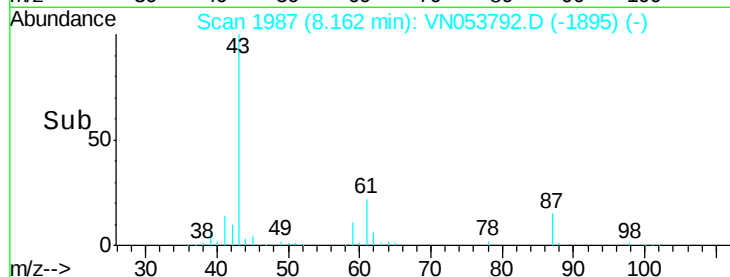
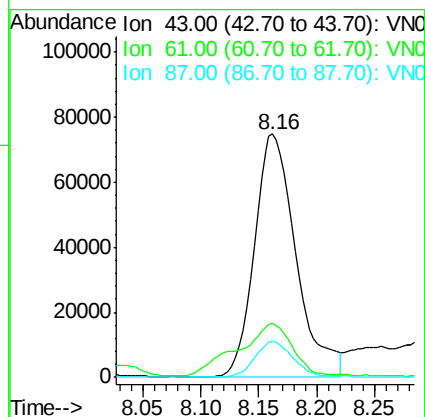
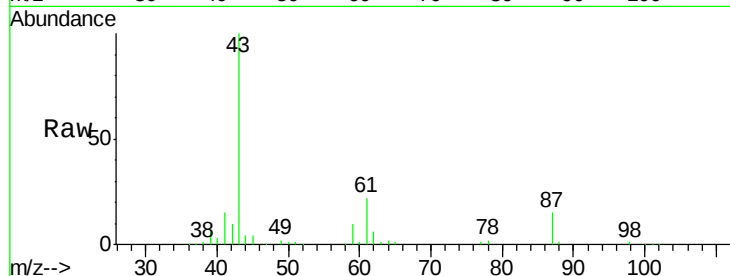
ClientSampleId :

VN0215WBS01

Tot Ion:	43	Resp:	186077
Ion Ratio		Lower	Upper
43	100		
61	29.0	23.9	35.9
87	13.7	11.0	16.6

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#44

Trichloroethene

Concen: 19.616 ug/l

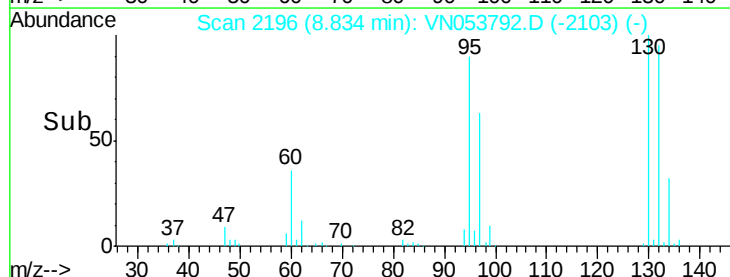
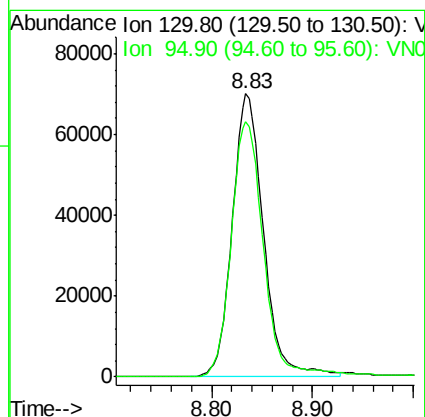
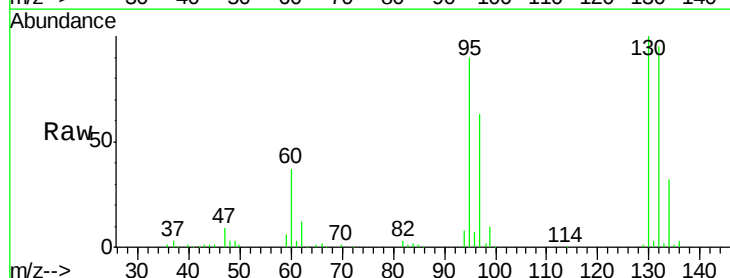
RT: 8.83 min Scan# 2196

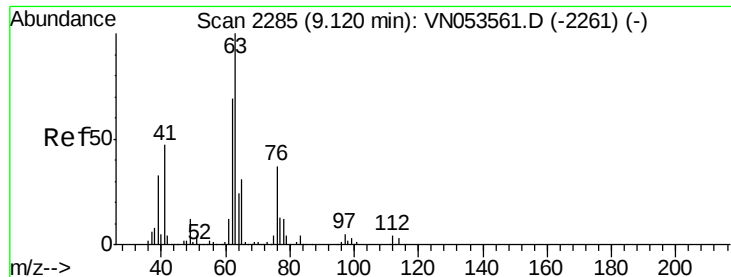
Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Tgt Ion:	130	Resp:	151036
Ion Ratio		Lower	Upper
130	100		
95	90.1	0.0	191.4





#45

1,2-Dichloropropane

Concen: 20.591 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS01

Tot Ion: 63 Resp: 142438

Ion Ratio Lower Upper

63 100

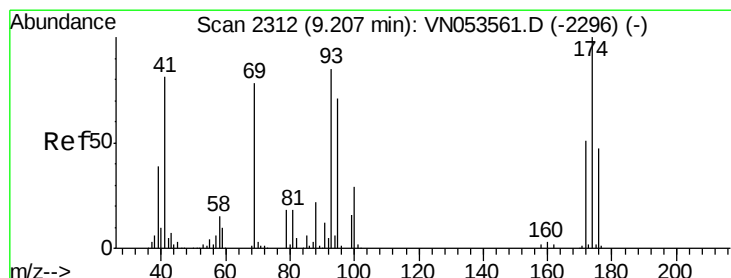
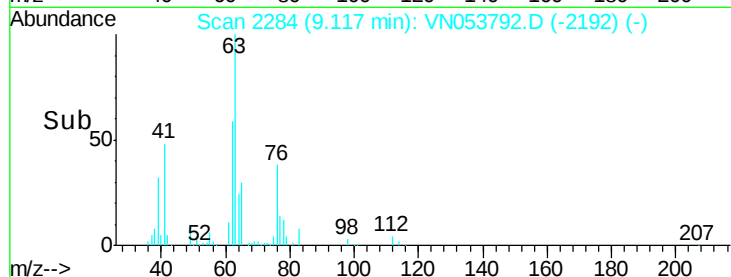
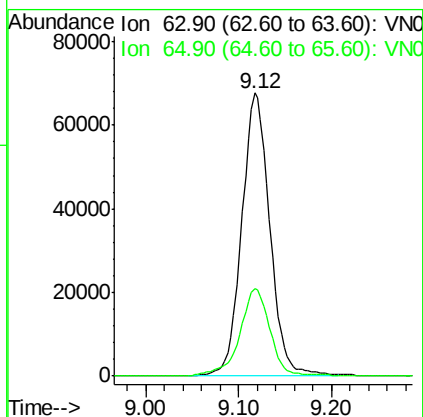
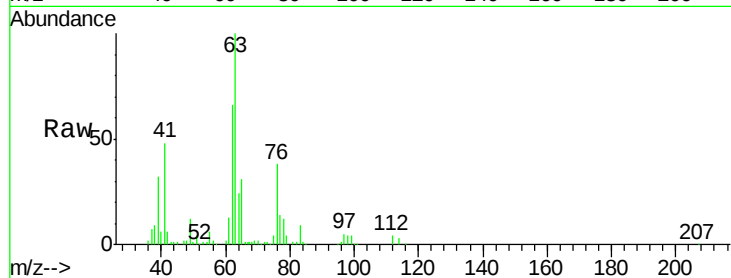
65 30.8 25.0 37.4

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#46

Dibromomethane

Concen: 20.135 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

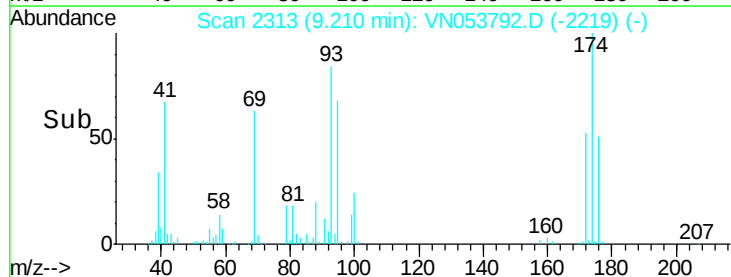
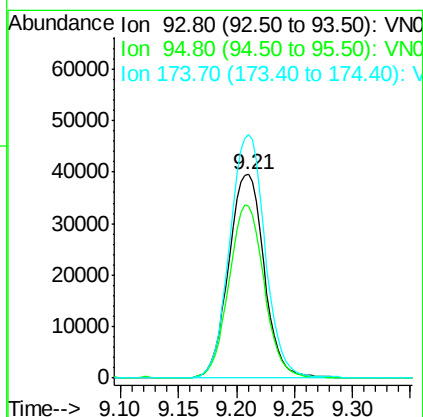
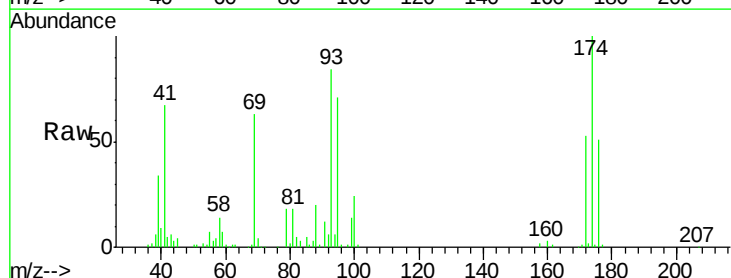
Tgt Ion: 93 Resp: 83964

Ion Ratio Lower Upper

93 100

95 84.1 67.3 100.9

174 118.6 91.0 136.4





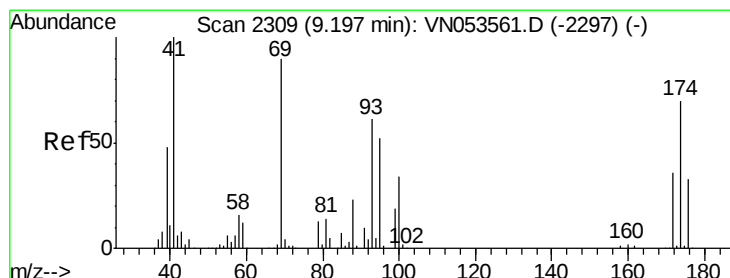
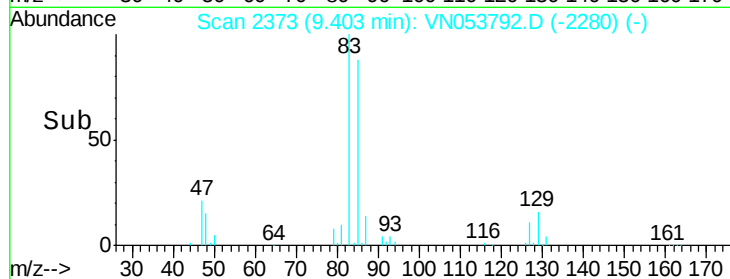
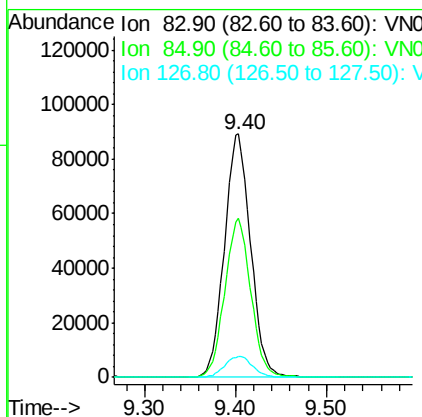
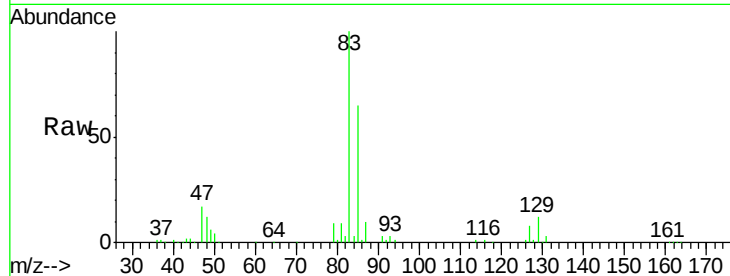
#47
Bromodichloromethane
Concen: 20.574 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS01

Tot Ion	83	Resp	178383
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	51.0	76.6
127	8.4	7.0	10.6

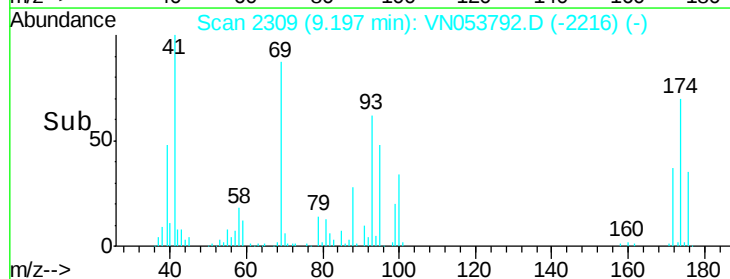
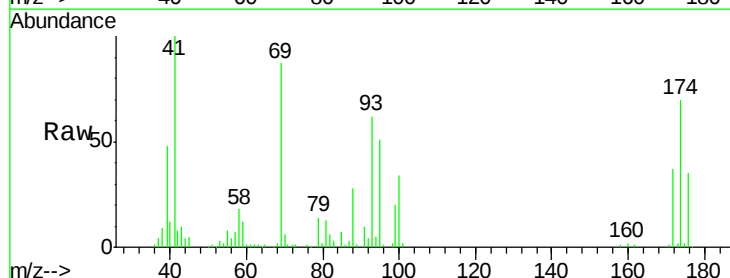
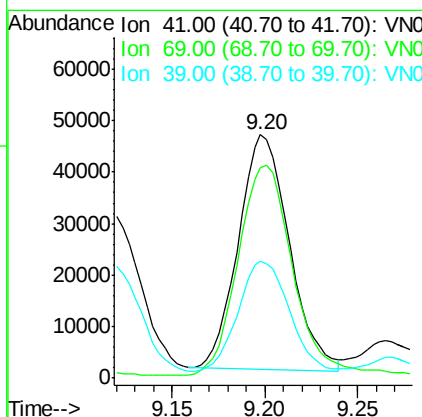
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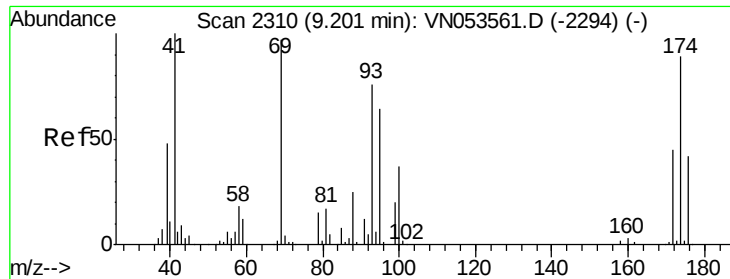
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#48
Methyl methacrylate
Concen: 19.192 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion	41	Resp	86663
Ion Ratio	100	Lower	Upper
41	100		
69	96.4	73.8	110.6
39	53.4	40.0	60.0





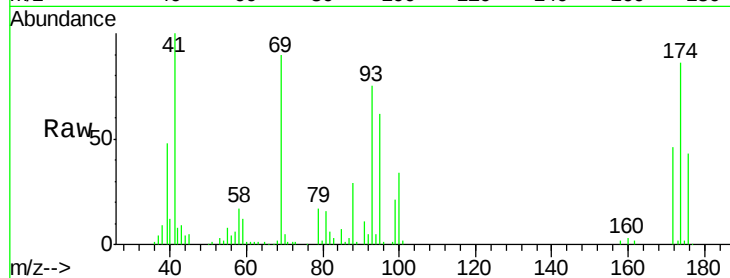
#49
1,4-Dioxane
Concen: 461.289 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.6	27.8	41.6#
58	65.7	56.5	84.7

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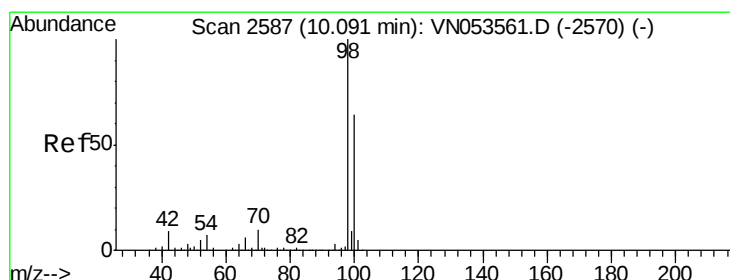
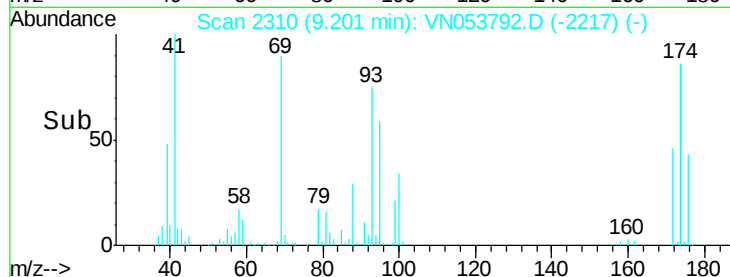
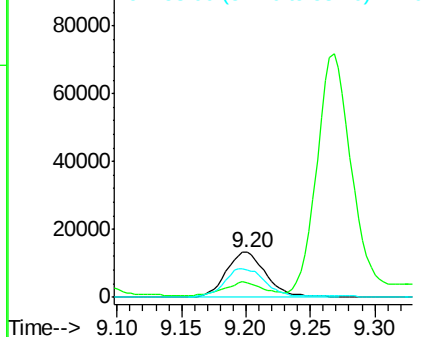


Abundance

Ion 88.00 (87.70 to 88.70): VN053792.D (-2217) (-)

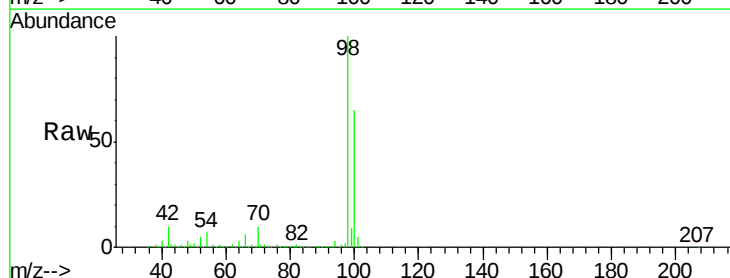
Ion 43.00 (42.70 to 43.70): VN053792.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN053792.D (-2217) (-)



#50
Toluene-d8
Concen: 48.767 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

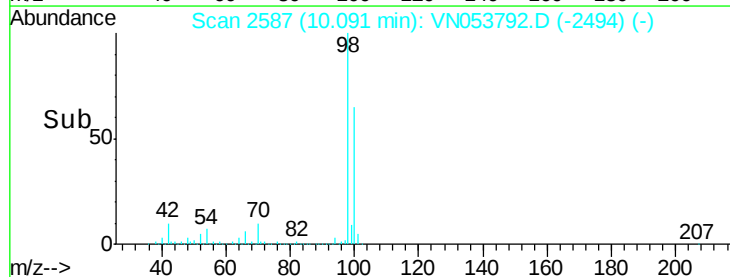
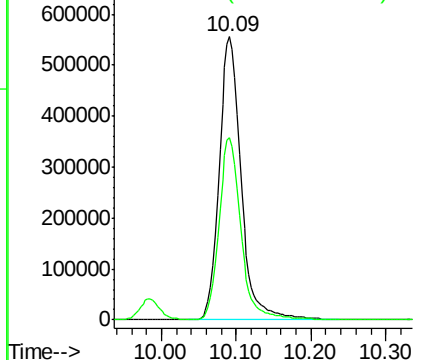
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0



Abundance

Ion 98.00 (97.70 to 98.70): VN053792.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053792.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 104.374 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

ClientSampled :

VN0215WBS01

Tot Ion: 43 Resp: 485189

Ion Ratio Lower Upper

43 100

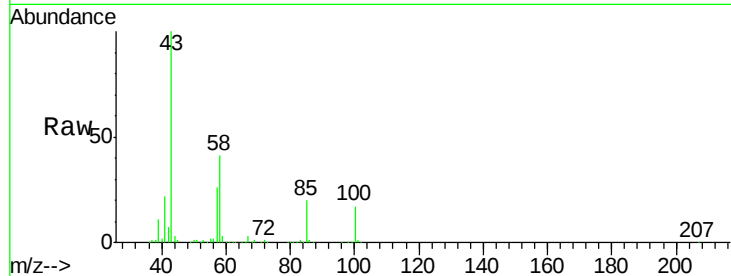
58 41.2 32.8 49.2

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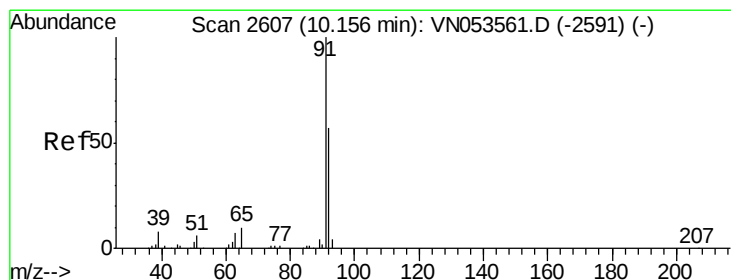
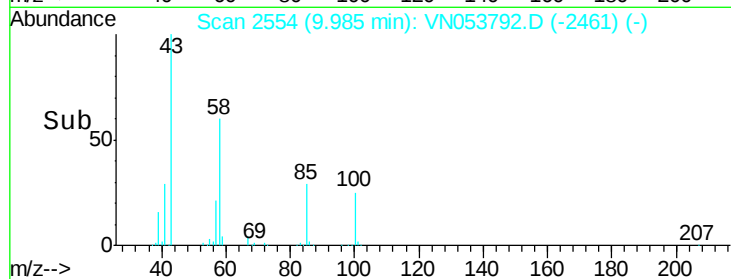
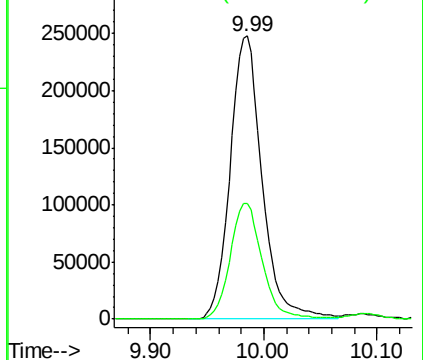
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.310 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053792.D

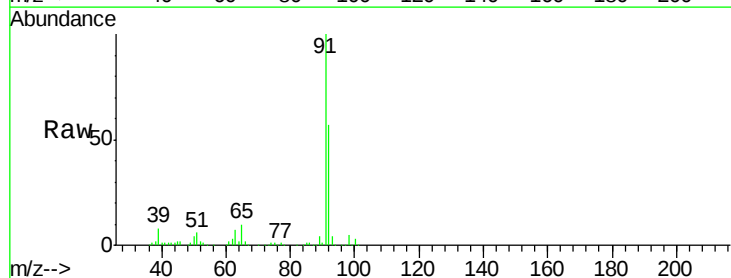
Acq: 15 Feb 2019 11:43

Tgt Ion: 92 Resp: 326011

Ion Ratio Lower Upper

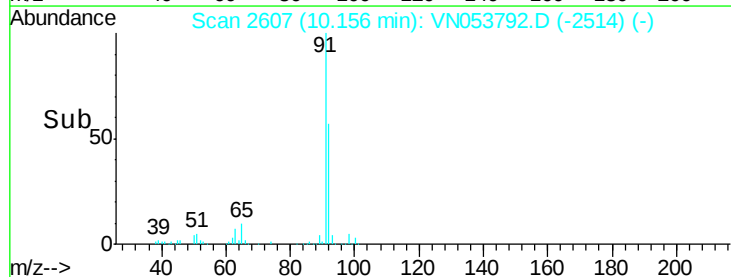
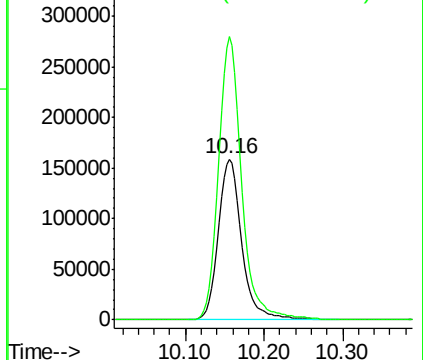
92 100

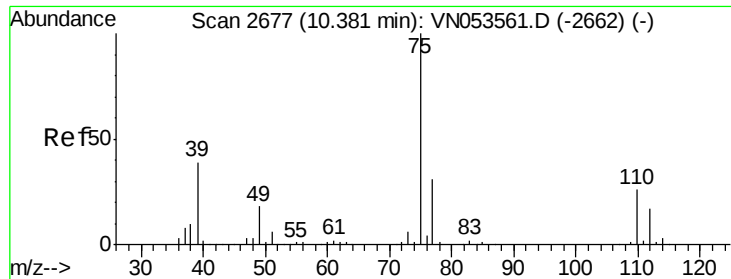
91 173.8 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





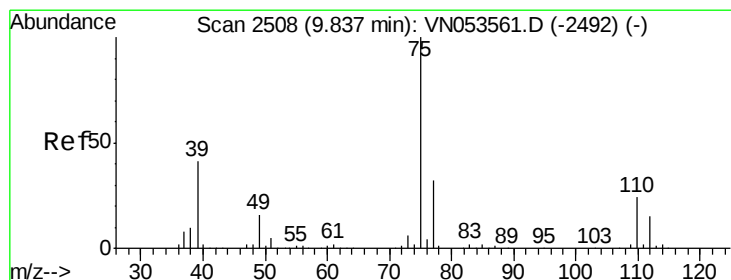
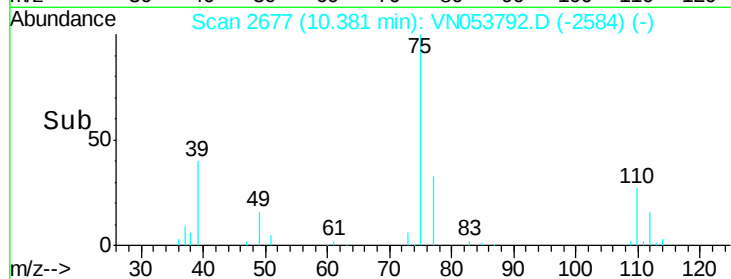
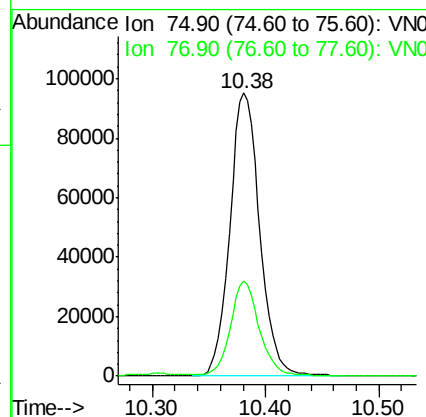
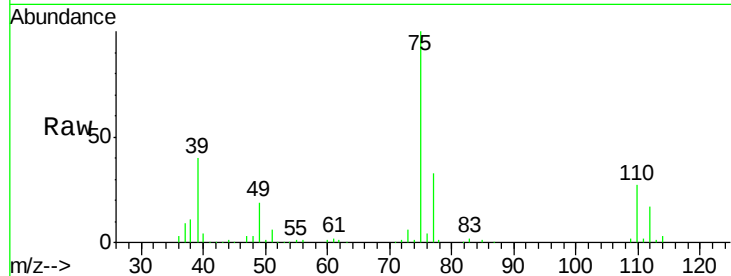
#53
t-1,3-Dichloropropene
Concen: 20.119 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS01

Tot Ion: 75 Resp: 174670
Ion Ratio Lower Upper
75 100
77 33.2 25.5 38.3

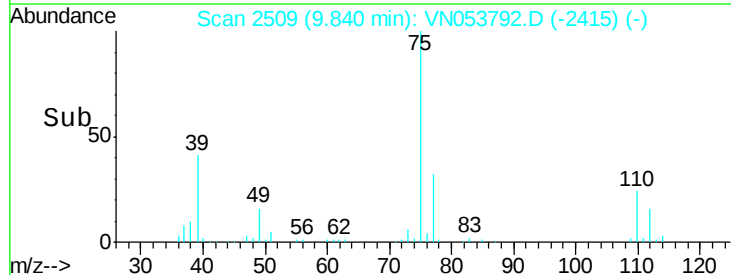
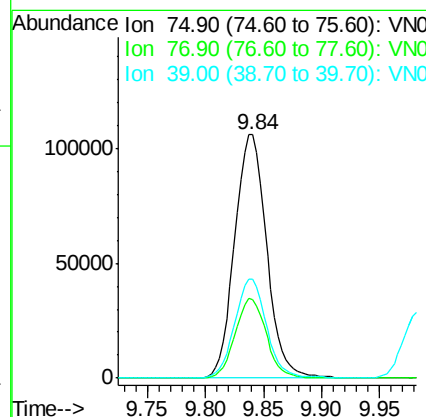
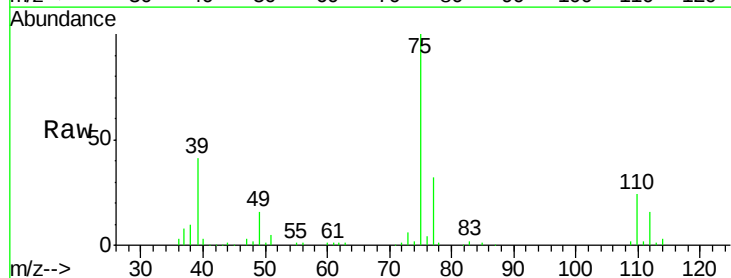
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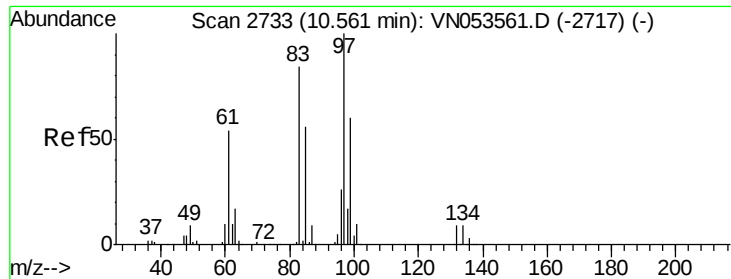
MMDadoda
2/18/2019 9:48:06 AM



#54
cis-1,3-Dichloropropene
Concen: 19.804 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion: 75 Resp: 203745
Ion Ratio Lower Upper
75 100
77 32.4 25.8 38.6
39 40.6 33.4 50.0





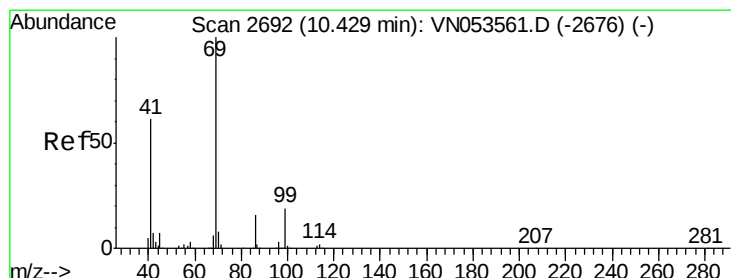
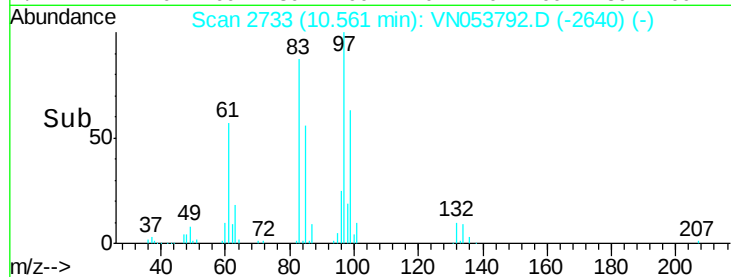
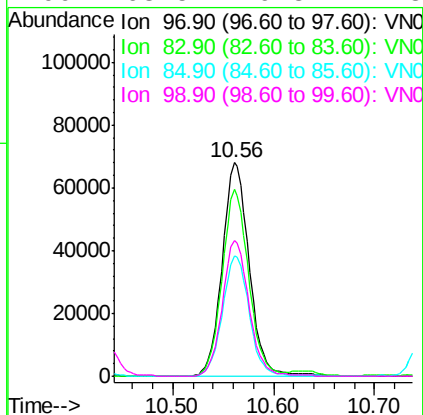
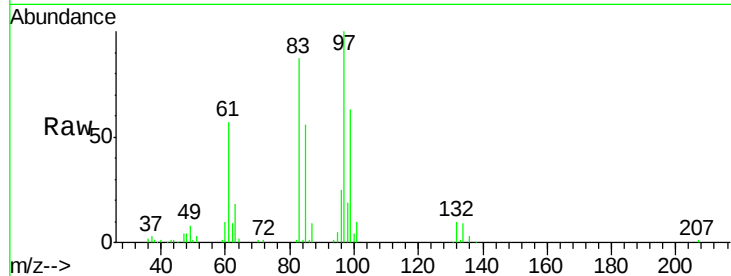
#55
 1,1,2-Trichloroethane
 Concen: 22.030 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Instrument :
 MSVOA_N
 ClientSampled :
 VN0215WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.1	105.1
85	56.1	45.4	68.0
99	63.5	49.8	74.8

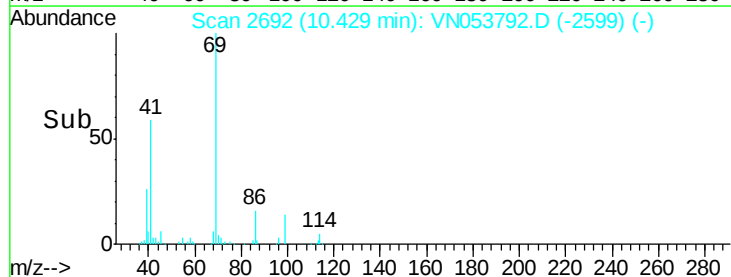
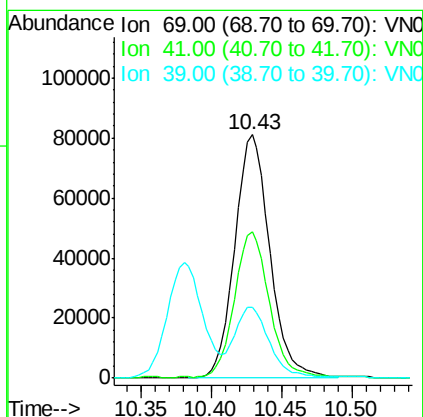
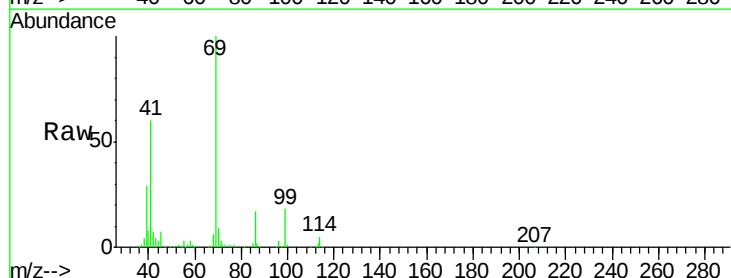
Manual Integrations
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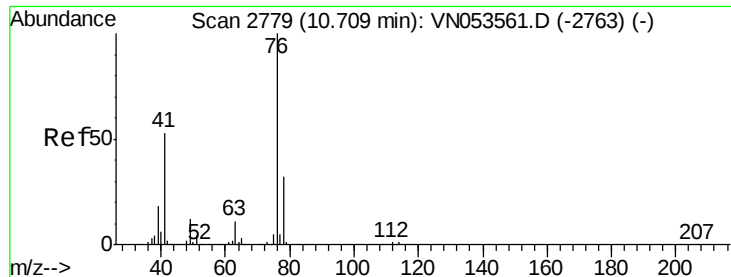
MMDadoda
 2/18/2019 9:48:06 AM



#56
 Ethyl methacrylate
 Concen: 20.666 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.2	49.4	74.0
39	28.7	23.3	34.9





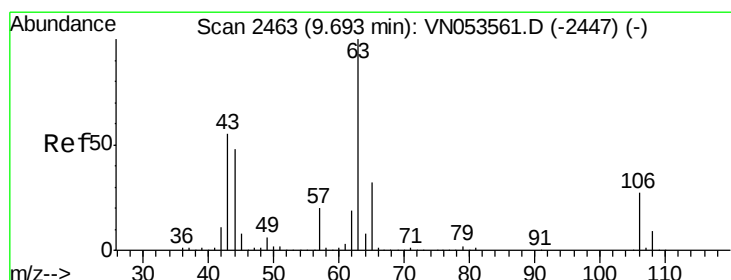
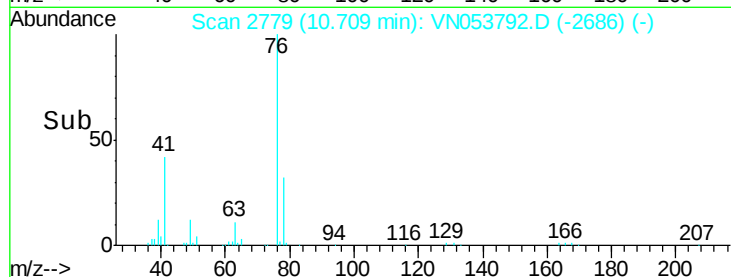
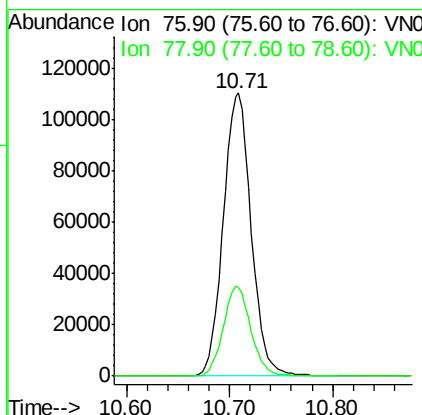
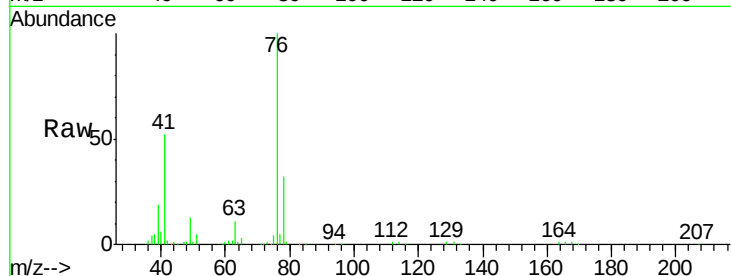
#57
 1,3-Dichloropropane
 Concen: 21.005 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.6	38.4

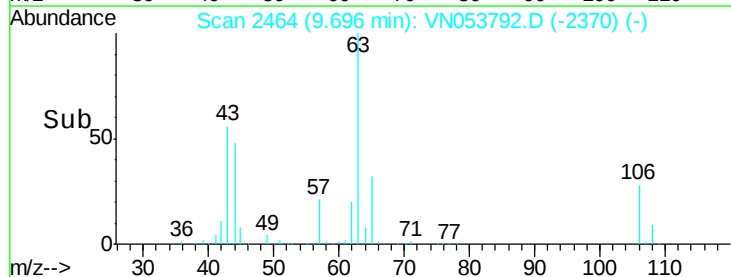
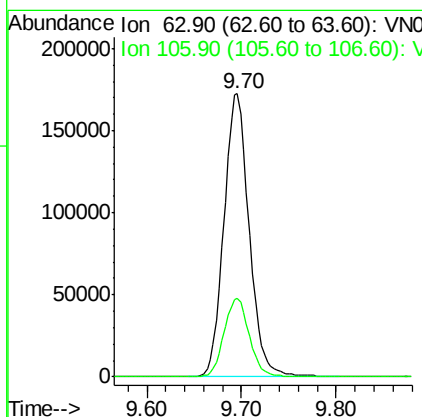
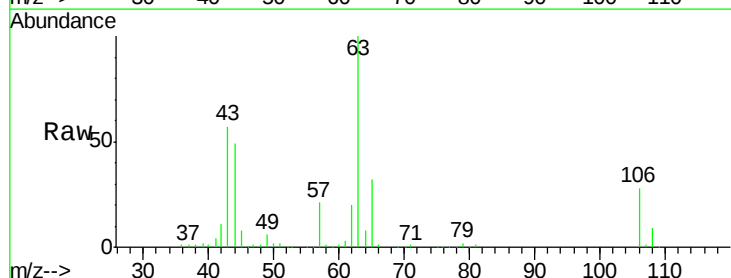
Manual Integrations
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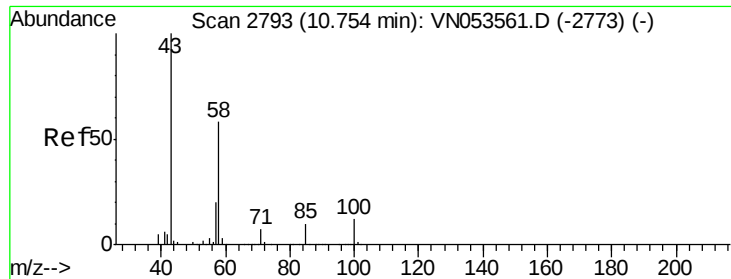
MMDadoda
 2/18/2019 9:48:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 80.997 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.5	32.3





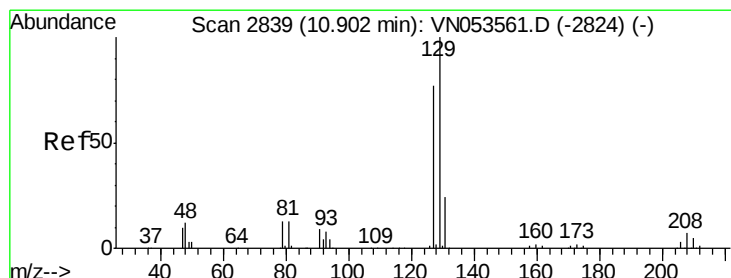
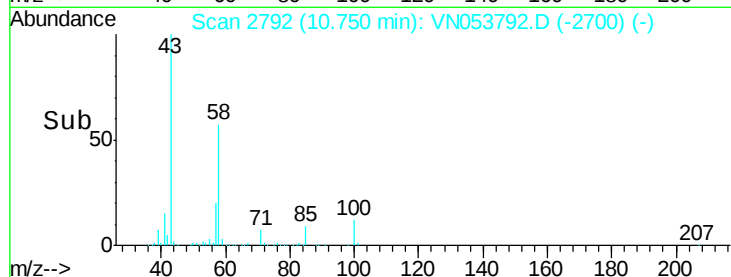
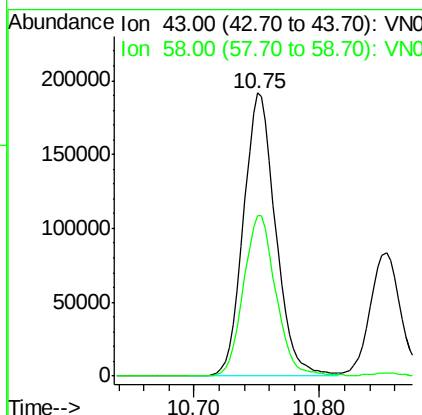
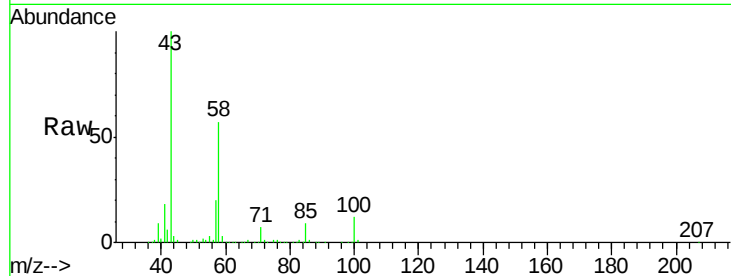
#59
2-Hexanone
Concen: 108.138 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS01

Tot Ion: 43 Resp: 341259
Ion Ratio Lower Upper
43 100
58 57.3 28.6 85.8

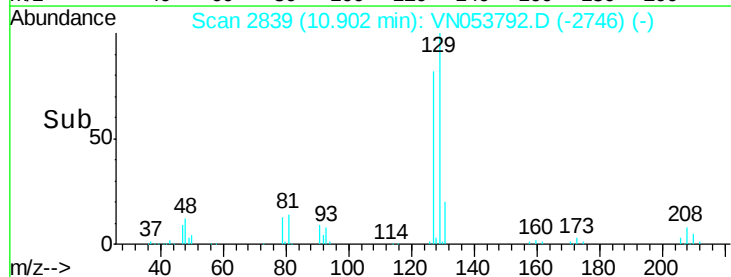
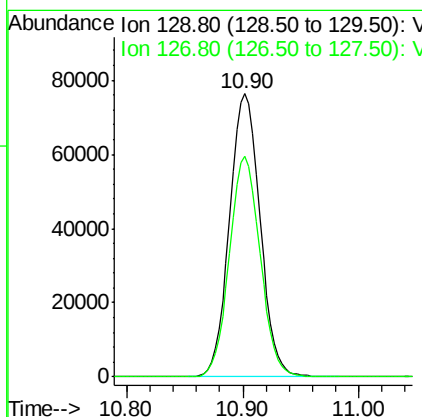
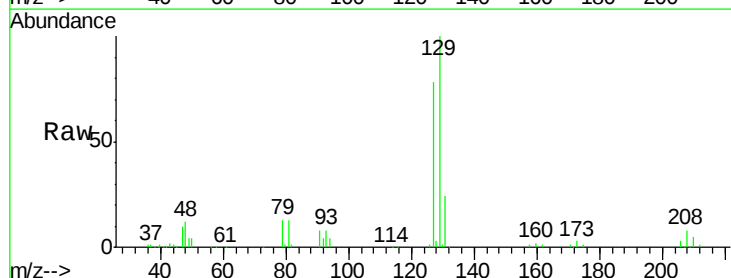
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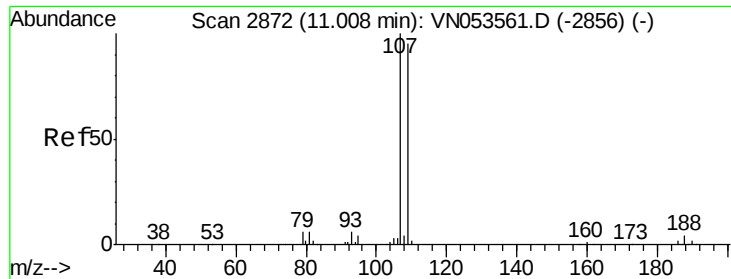
MMDadoda
2/18/2019 9:48:06 AM



#60
Dibromochloromethane
Concen: 21.413 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion: 129 Resp: 139666
Ion Ratio Lower Upper
129 100
127 78.3 38.6 115.8





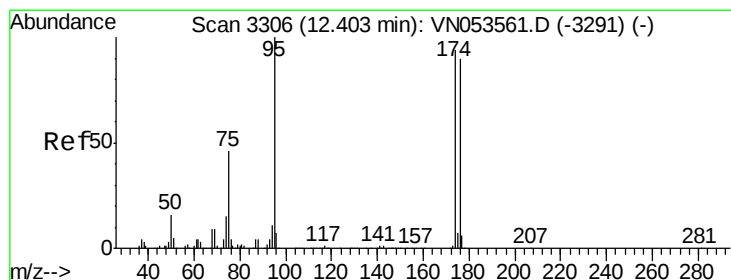
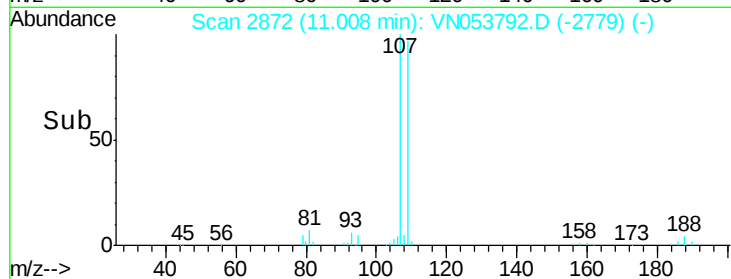
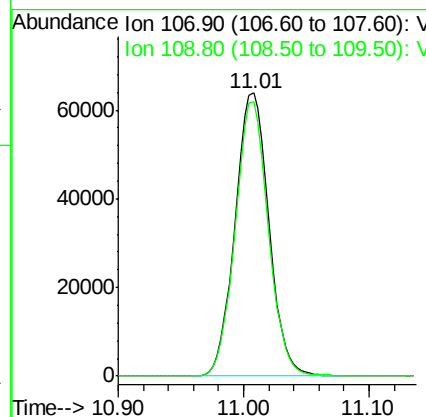
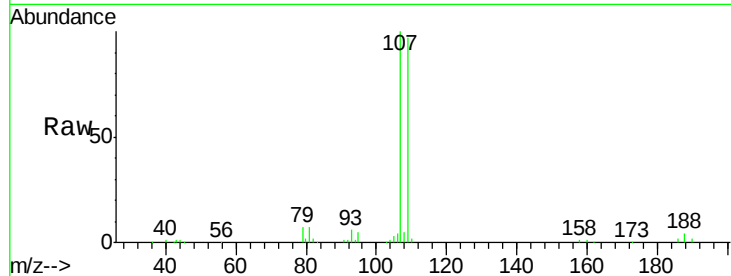
#61
 1,2-Dibromoethane
 Concen: 20.908 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	119693		
109	94.9	75.7	113.5	

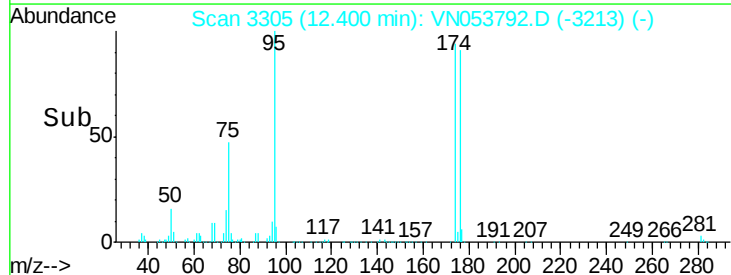
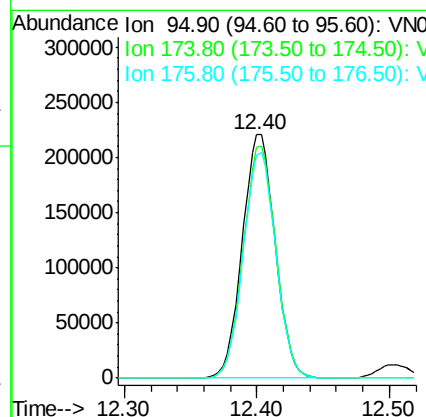
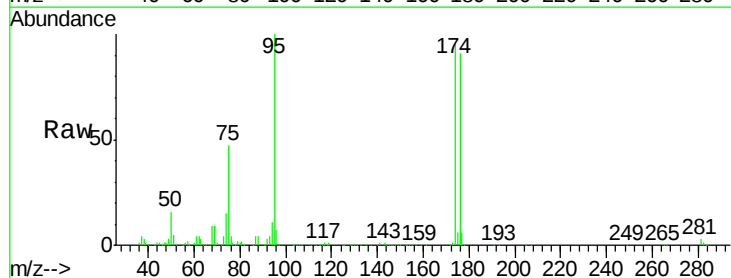
Manual Integrations
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 2/18/2019 9:48:06 AM



#62
 4-Bromofluorobenzene
 Concen: 49.249 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	379154		
174	95.1	0.0	183.2	
176	92.0	0.0	177.4	





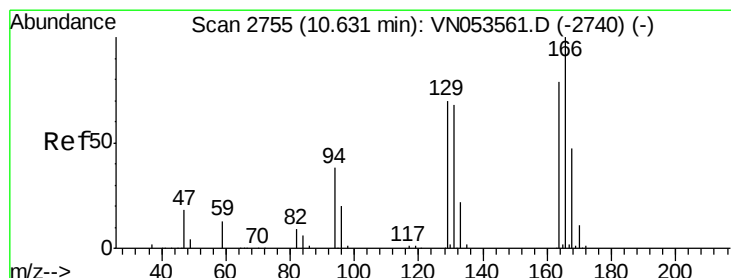
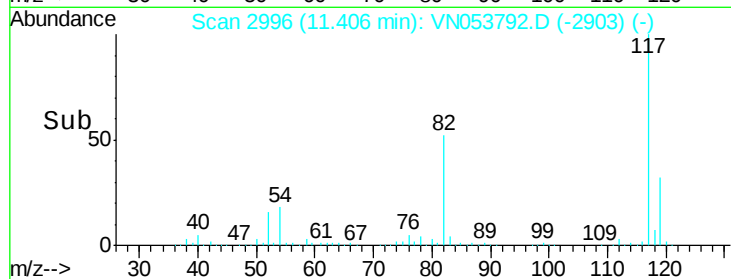
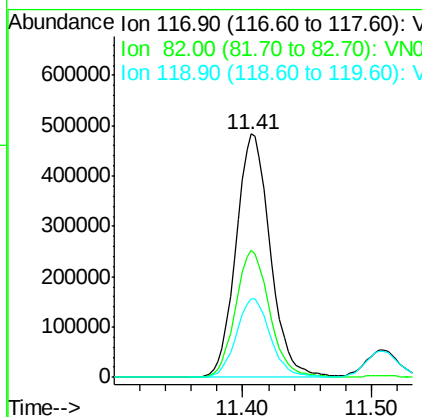
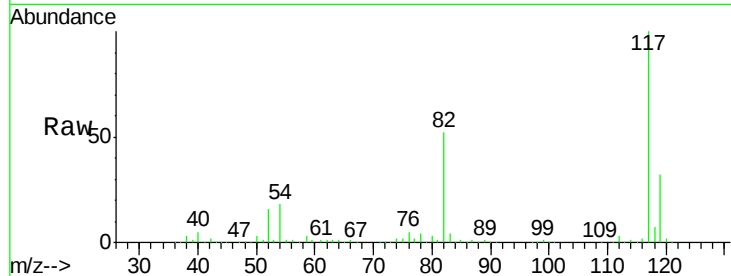
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.9	64.3
119	32.2	26.0	39.0

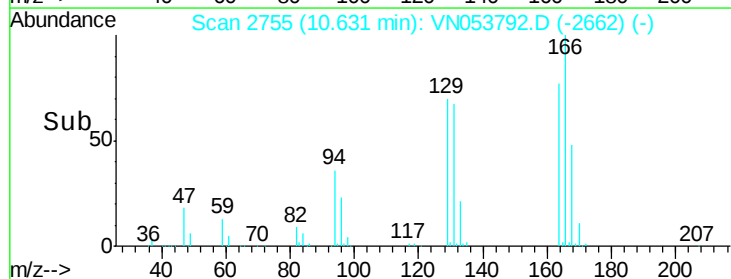
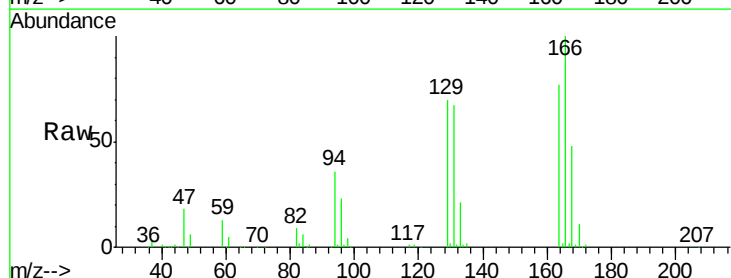
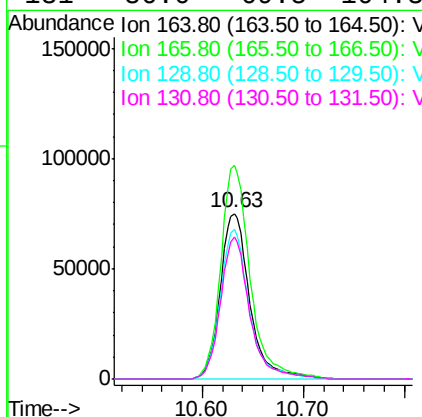
Manual Integrations
APPROVED

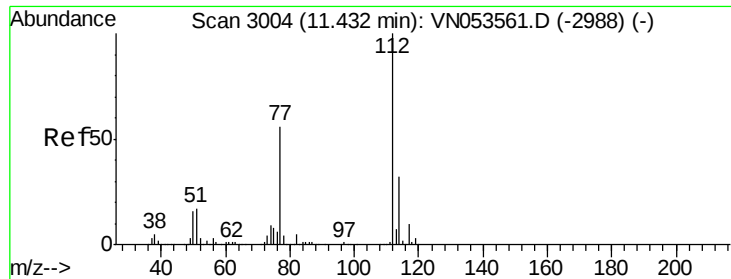
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#64
Tetrachloroethene
Concen: 20.052 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	102.2	153.4
129	90.9	72.6	109.0
131	86.0	69.5	104.3





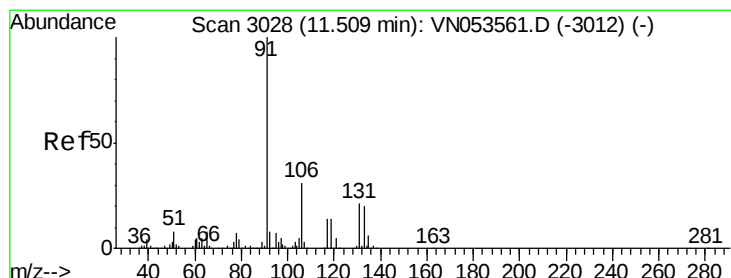
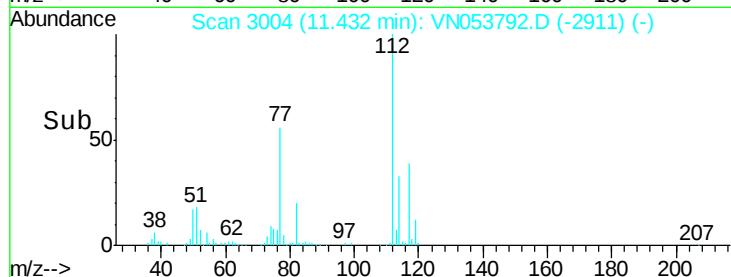
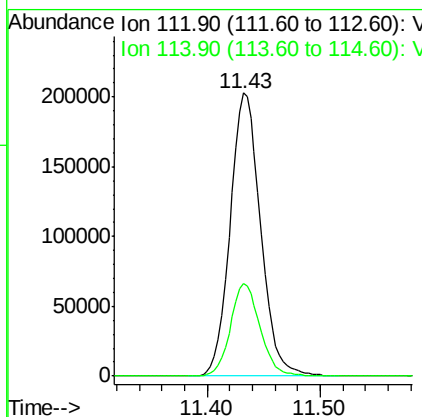
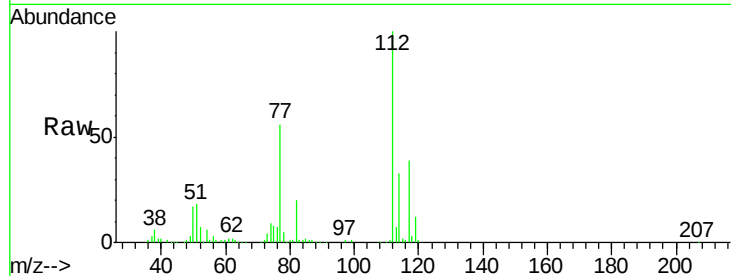
#65
Chlorobenzene
Concen: 19.994 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS01

Tot Ion:112 Resp: 379026
Ion Ratio Lower Upper
112 100
114 32.8 25.3 37.9

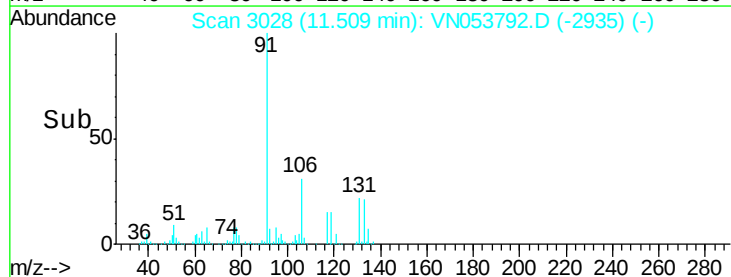
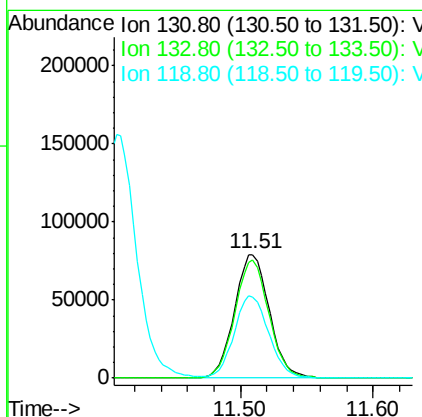
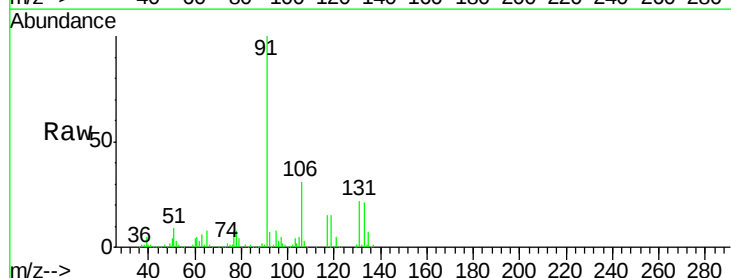
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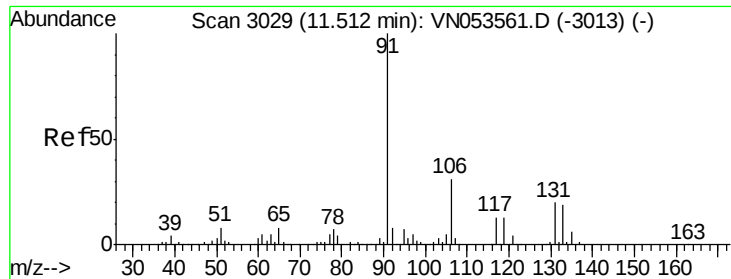
MMDadoda
2/18/2019 9:48:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.753 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion:131 Resp: 144016
Ion Ratio Lower Upper
131 100
133 93.8 48.0 144.0
119 66.7 33.5 100.5





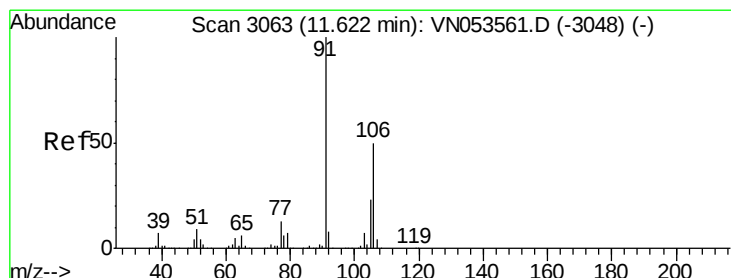
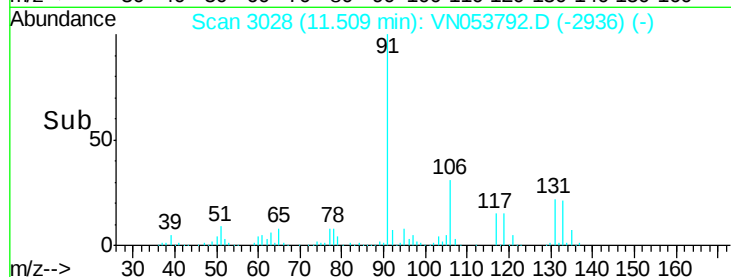
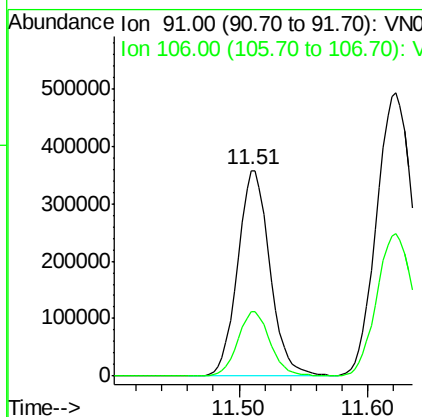
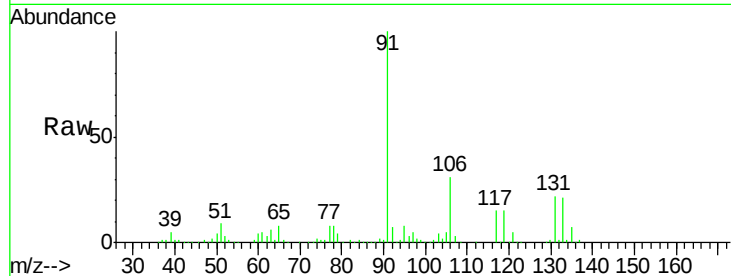
#67
Ethyl Benzene
Concen: 20.044 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampled :
VN0215WBS01

Tot Ion: 91 Resp: 624160
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6

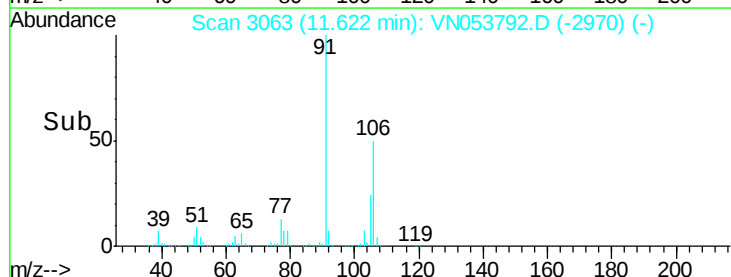
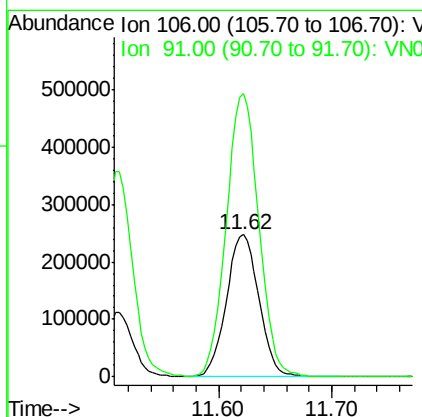
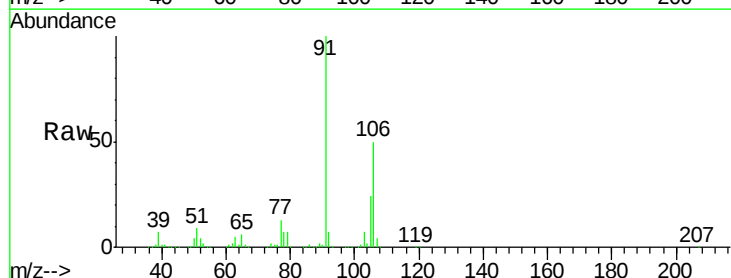
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#68
m/p-Xylenes
Concen: 41.642 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion: 106 Resp: 494919
Ion Ratio Lower Upper
106 100
91 198.8 161.4 242.2





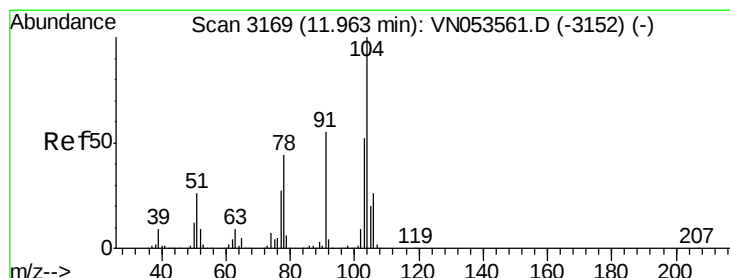
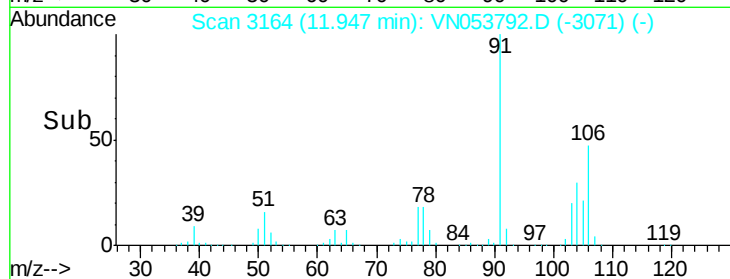
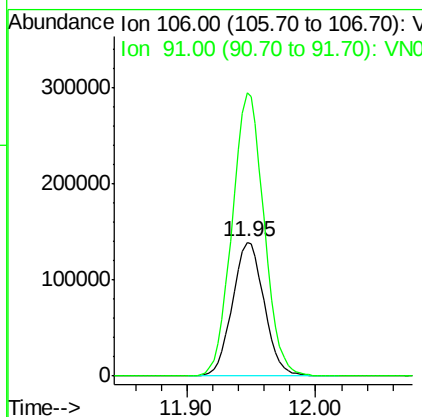
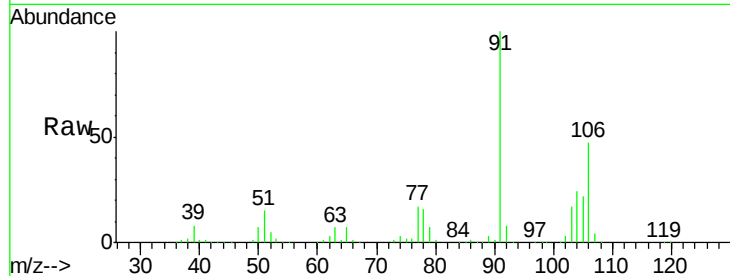
#69
o-Xylene
Concen: 20.770 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampled :
VN0215WBS01

Tot Ion	Ion	Ratio	Lower	Upper
238483	106	100		
	91	212.4	106.9	320.8

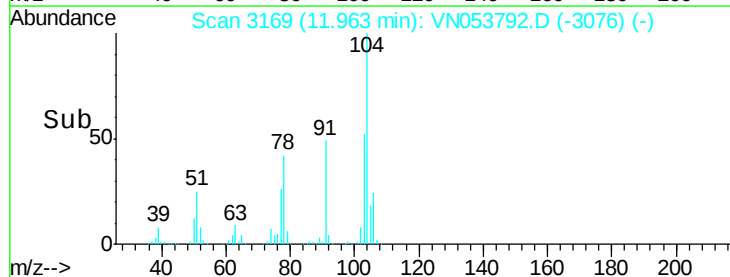
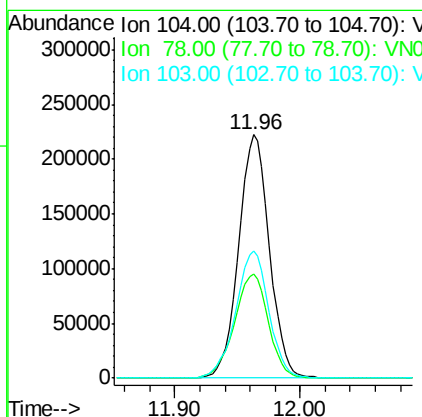
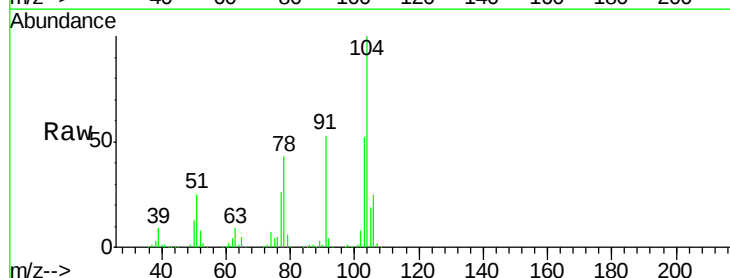
Manual Integrations
APPROVED

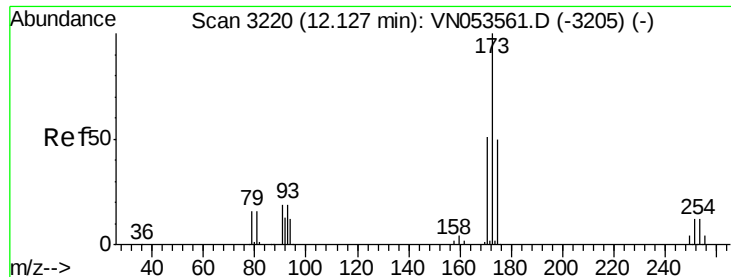
MMDadoda
2/18/2019 9:48:06 AM



#70
Styrene
Concen: 20.340 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion	Ion	Ratio	Lower	Upper
378528	104	100		
	78	47.3	38.2	57.2
	103	56.2	44.4	66.6





#71

Bromoform

Concen: 22.024 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

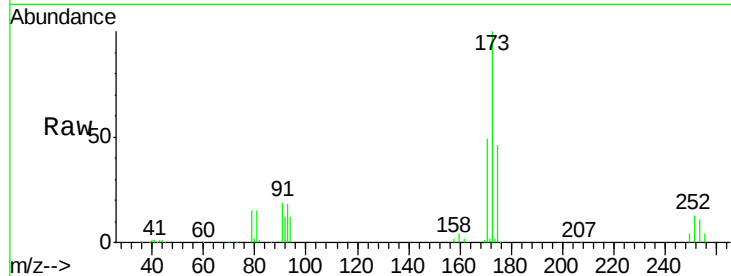
ClientSampleId :

VN0215WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	74.0
254	0.1	0.2	0.2

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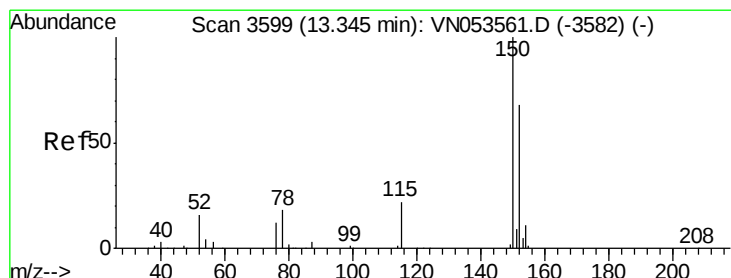
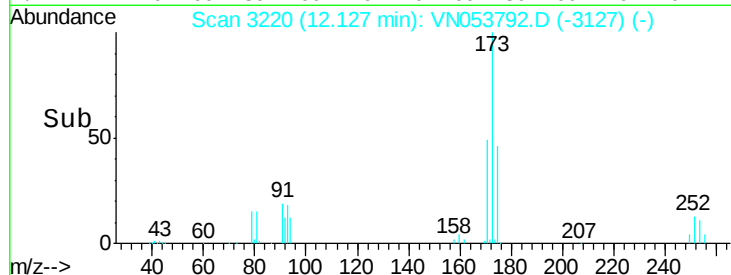
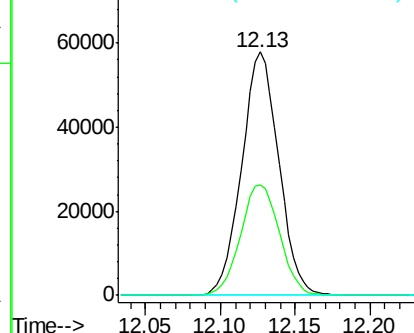


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

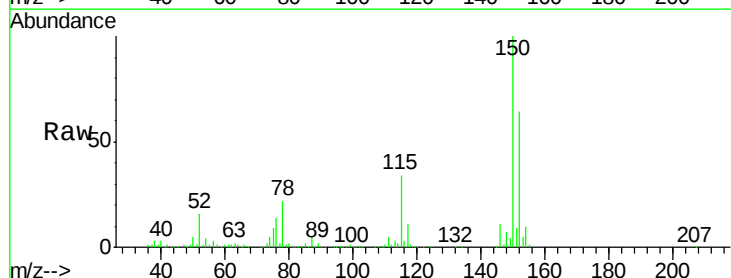
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.8	83.4
150	163.5	0.0	349.0

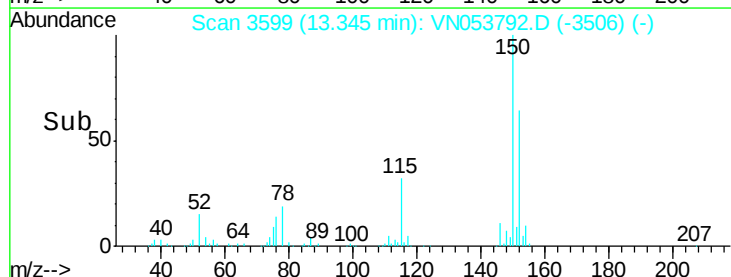
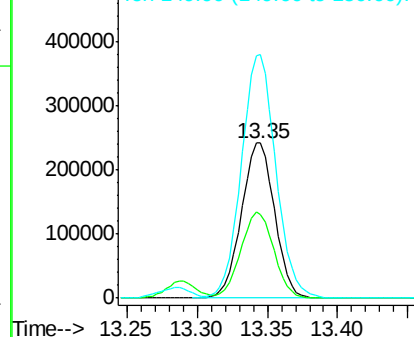


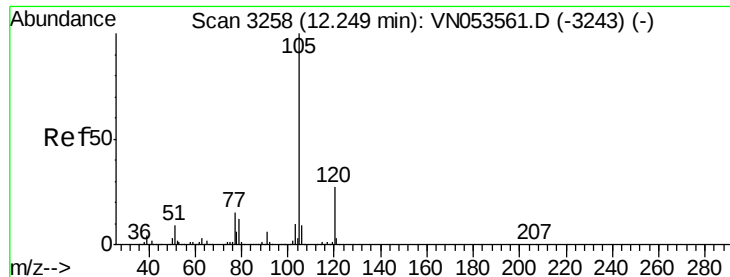
Abundance

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: 22.626 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS01

Tot Ion: 105 Resp: 633374

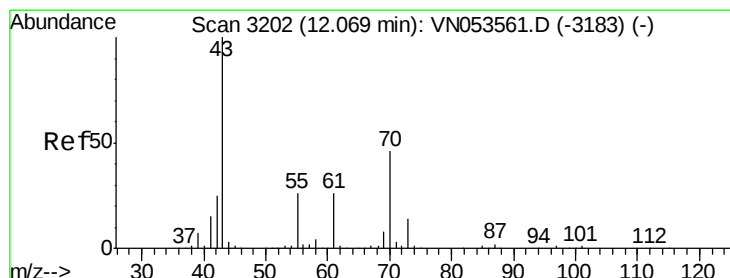
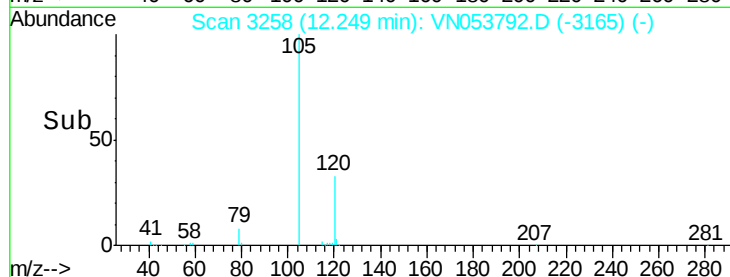
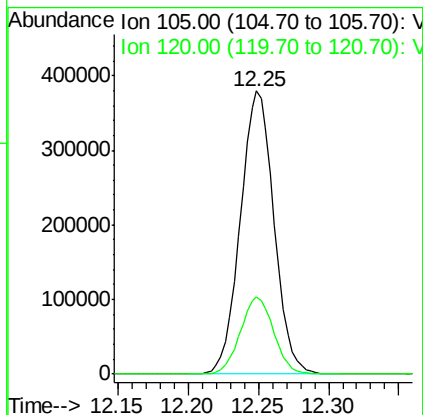
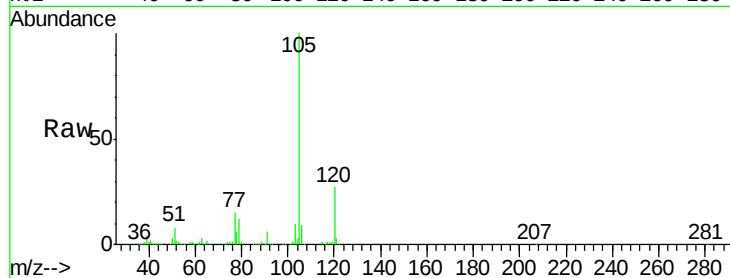
Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7

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#74

N-ethyl acetate

Concen: 21.552 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Tgt Ion: 43 Resp: 145074

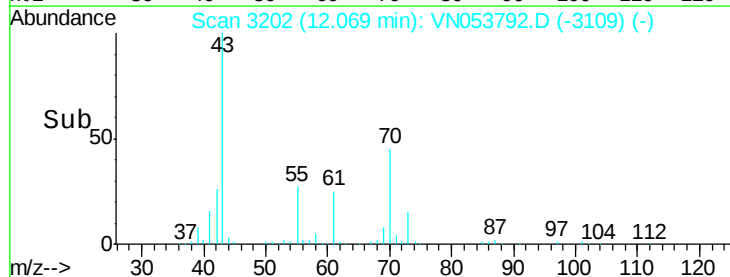
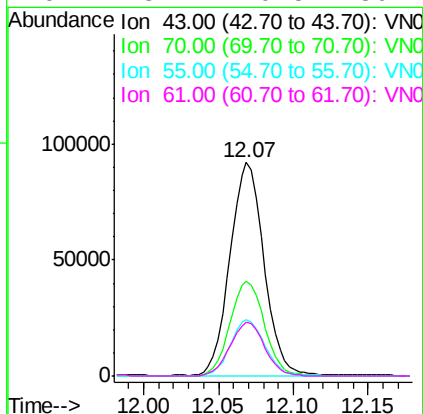
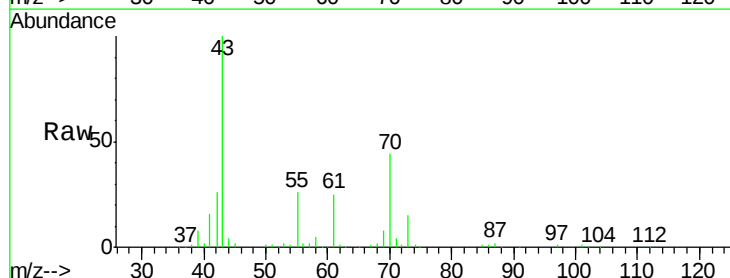
Ion Ratio Lower Upper

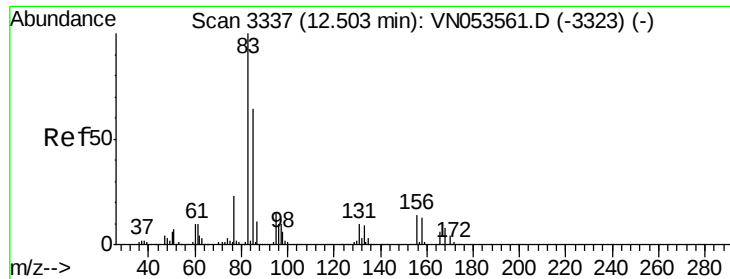
43 100

70 45.3 35.4 53.2

55 27.1 20.9 31.3

61 25.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.770 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS01

Tot Ion: 83 Resp: 145848

Ion Ratio Lower Upper

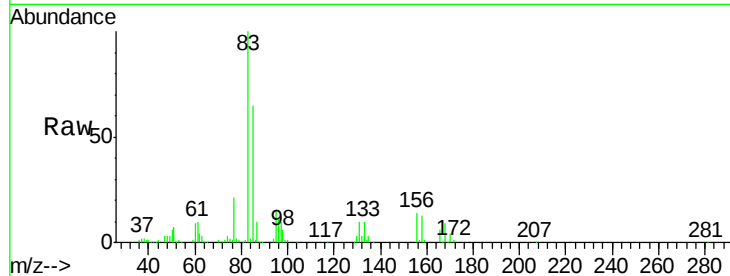
83 100

131 10.6 5.3 15.8

85 63.2 32.1 96.3

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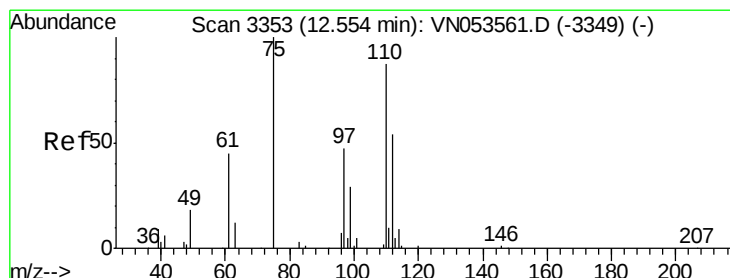
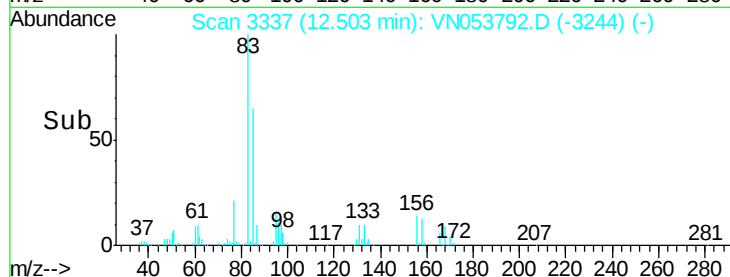
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 22.464 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053792.D

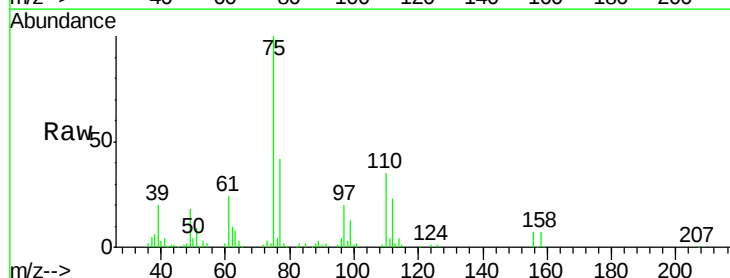
Acq: 15 Feb 2019 11:43

Tgt Ion: 75 Resp: 114896

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

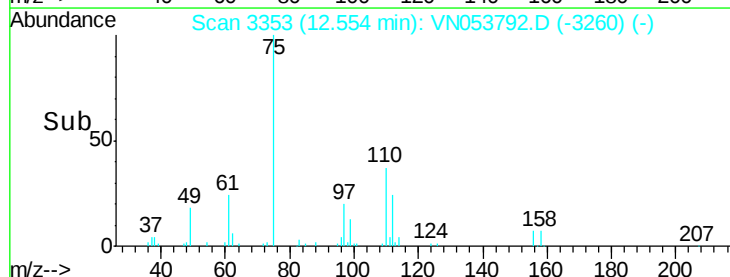


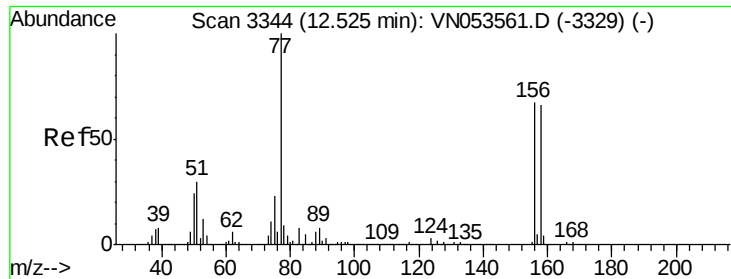
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.55

Time-->





#77

Bromobenzene

Concen: 20.312 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

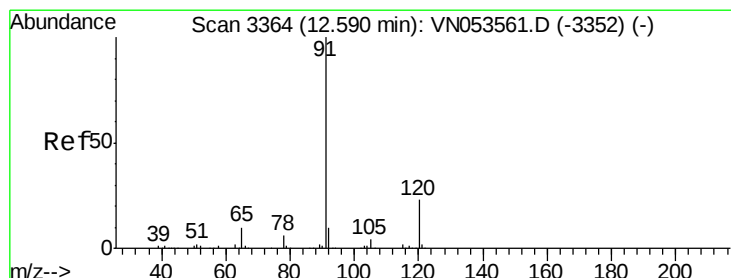
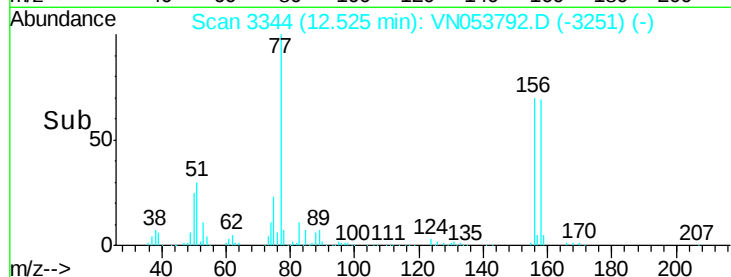
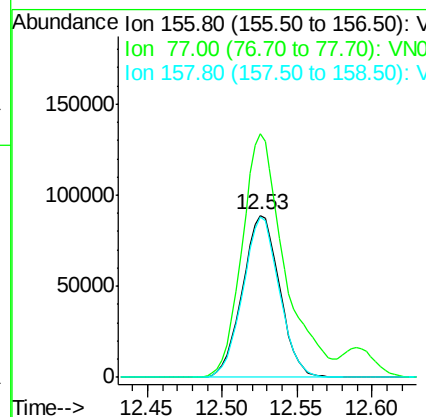
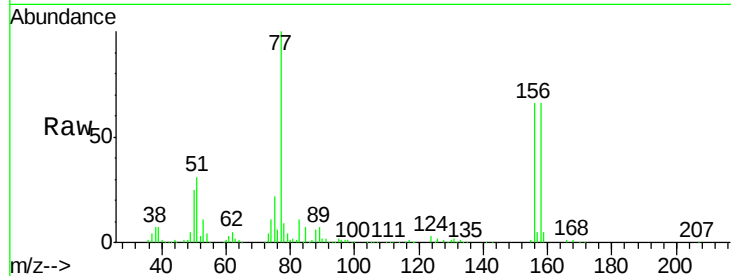
ClientSampleId :

VN0215WBS01

Tot Ion:	156	Resp:	153244
Ion Ratio	Lower	Upper	
156	100		
77	171.9	87.9	263.8
158	97.2	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 21.125 ug/l

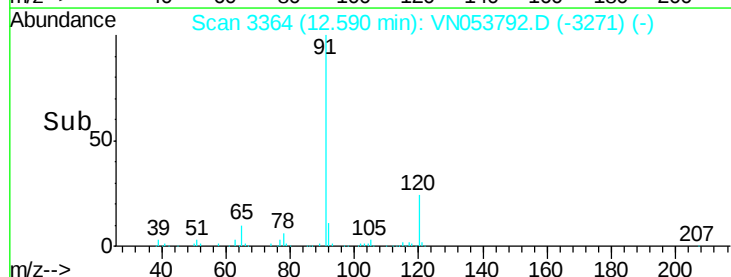
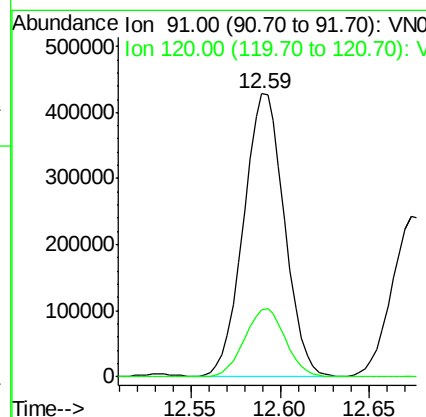
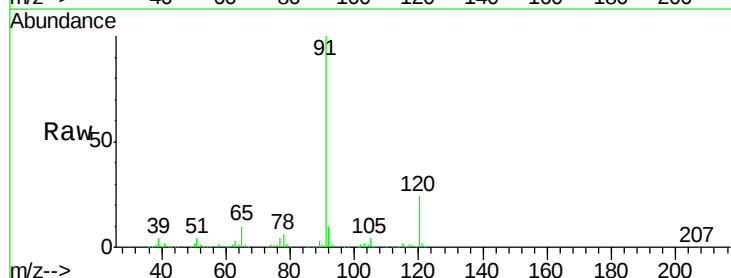
RT: 12.59 min Scan# 3364

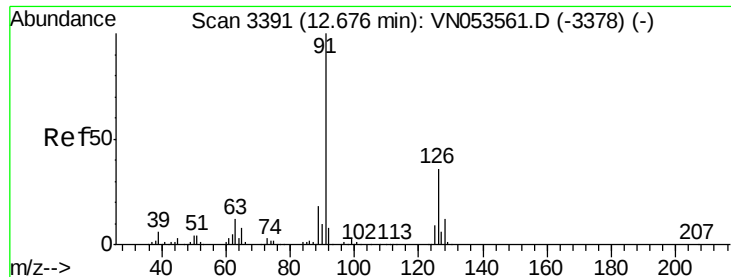
Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Tgt Ion:	91	Resp:	683610
Ion Ratio	Lower	Upper	
91	100		
120	24.2	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.898 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS01

Tot Ion: 91 Resp: 401216

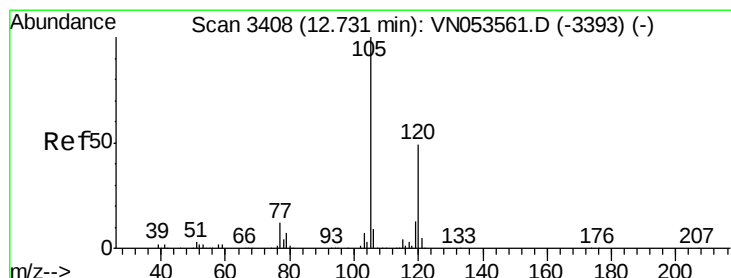
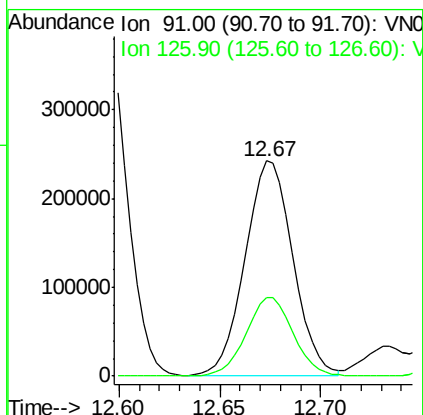
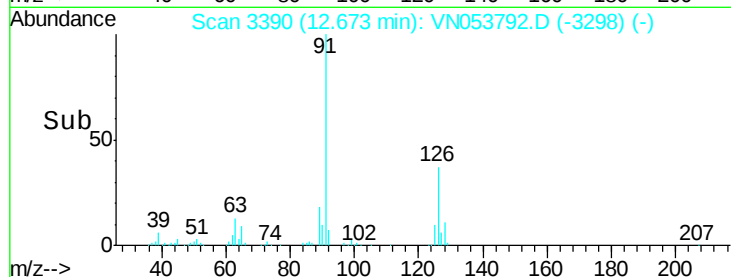
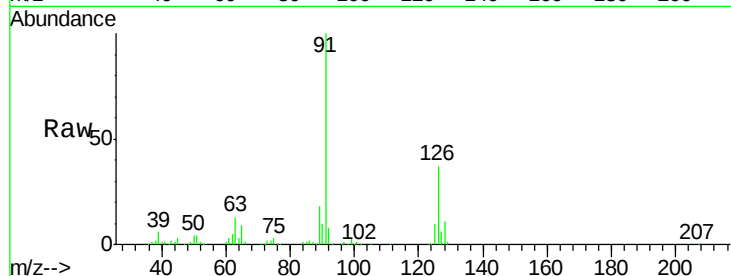
Ion Ratio Lower Upper

91 100

126 36.2 17.9 53.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 21.978 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053792.D

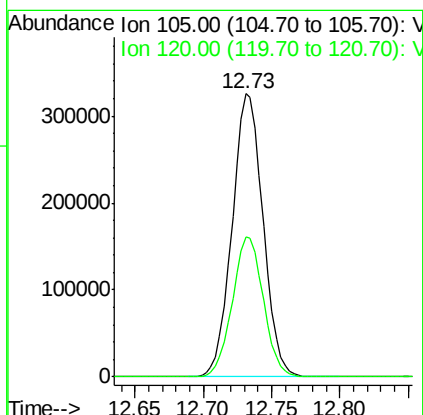
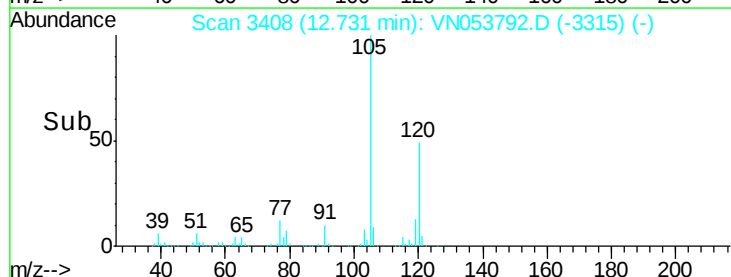
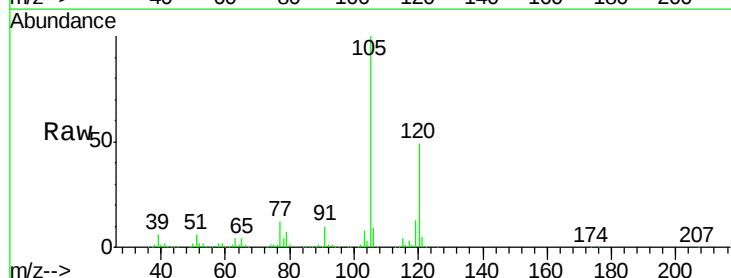
Acq: 15 Feb 2019 11:43

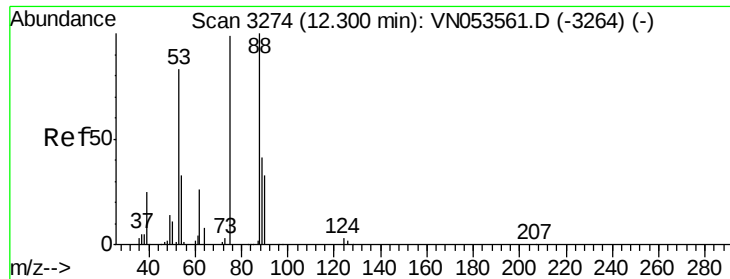
Tgt Ion: 105 Resp: 510176

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.622 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

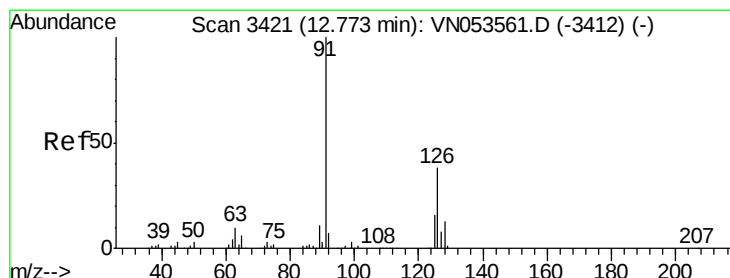
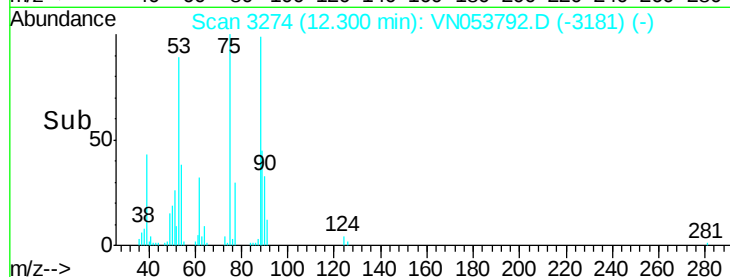
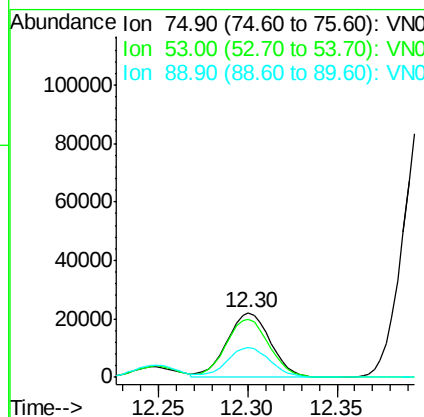
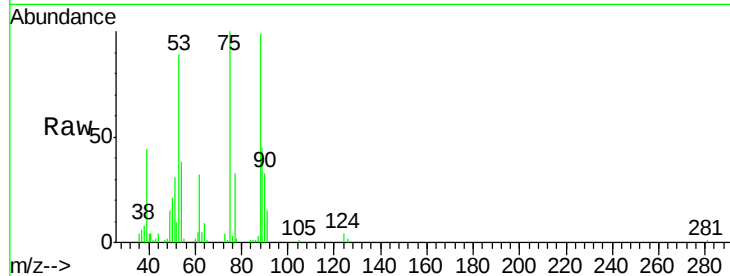
ClientSampleId :

VN0215WBS01

Tot Ion:	75	Resp:	37509
Ion	Ratio	Lower	Upper
75	100		
53	90.0	69.8	104.6
89	45.5	35.6	53.4

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#82

4-Chlorotoluene

Concen: 20.615 ug/l

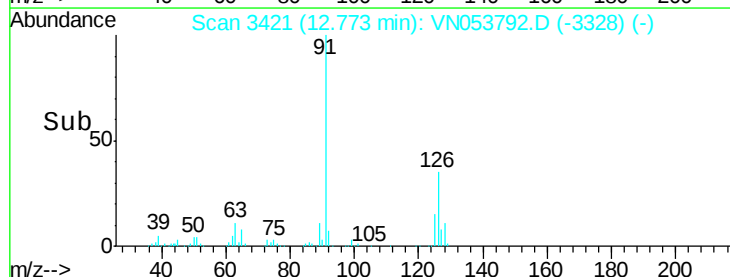
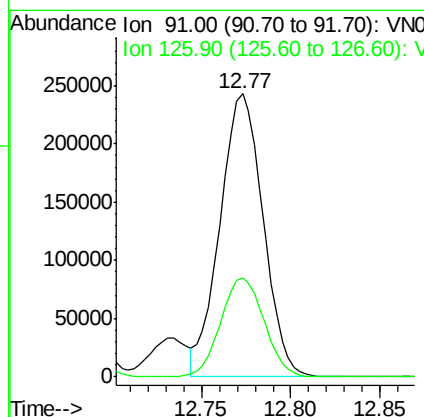
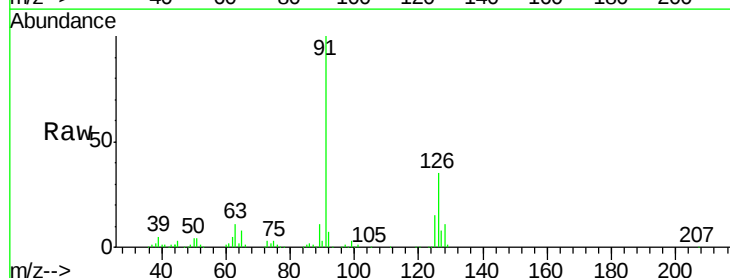
RT: 12.77 min Scan# 3421

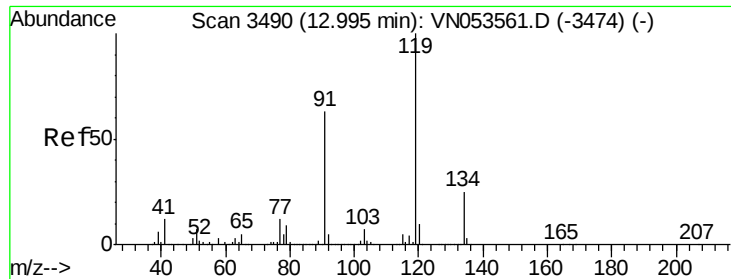
Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Tgt Ion:	91	Resp:	406126
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.6	52.9





#83

tert-Butylbenzene

Concen: 21.725 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

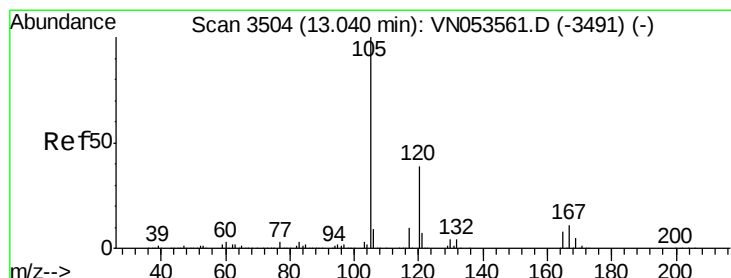
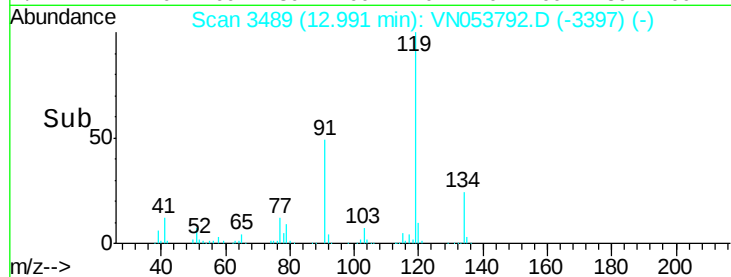
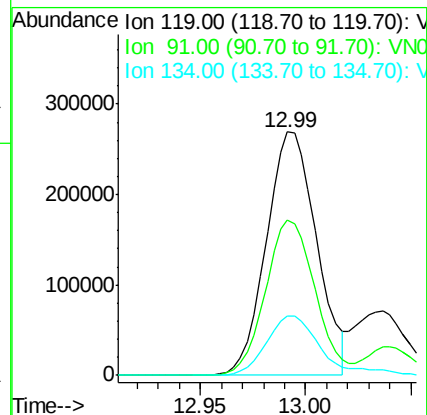
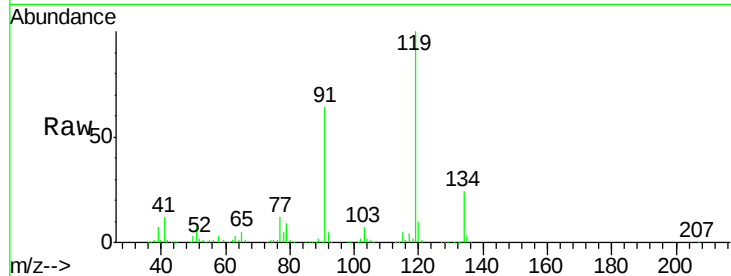
ClientSampleId :

VN0215WBS01

Tot Ion:	119	Resp:	445717
Ion Ratio	Lower	Upper	
119	100		
91	62.6	31.3	93.8
134	26.8	12.9	38.7

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#84

1,2,4-Trimethylbenzene

Concen: 21.750 ug/l

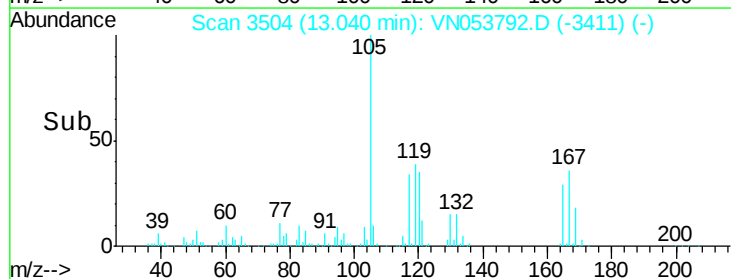
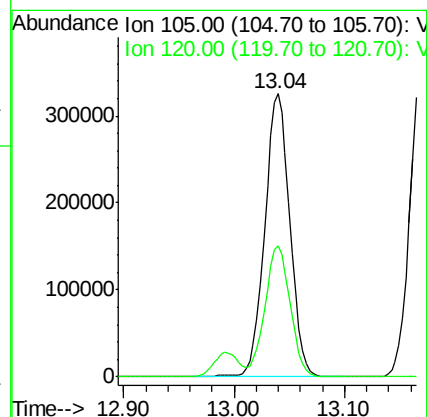
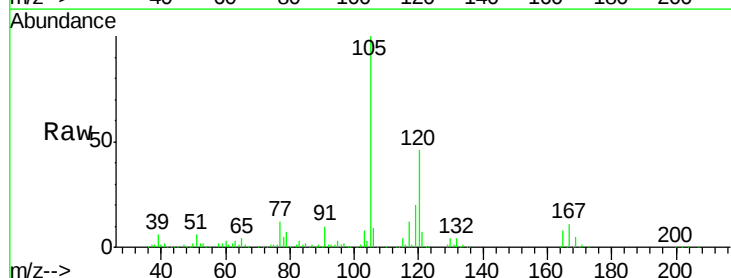
RT: 13.04 min Scan# 3504

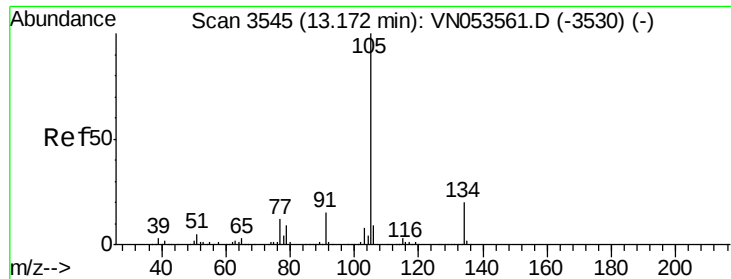
Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Tgt Ion:	105	Resp:	514379
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.0	69.0





#85

sec-Butylbenzene

Concen: 22.325 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS01

Tot Ion:105 Resp: 623297

Ion Ratio Lower Upper

105 100

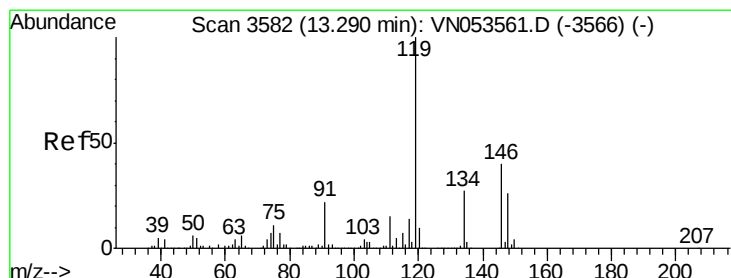
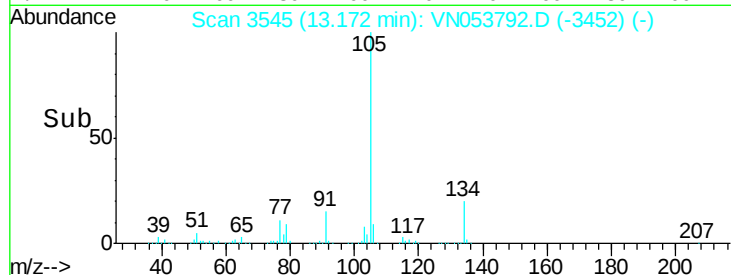
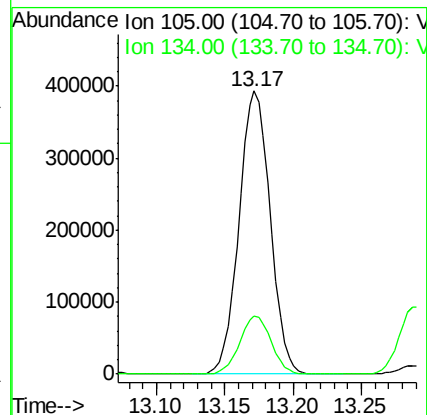
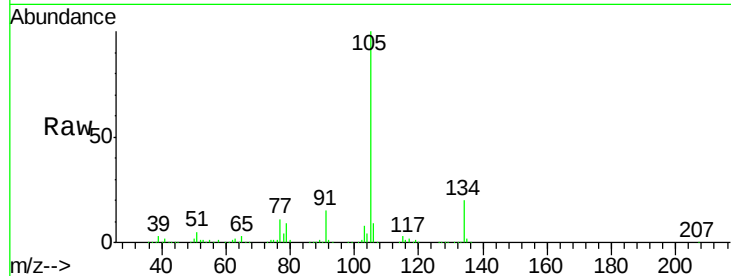
134 20.7 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 22.053 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

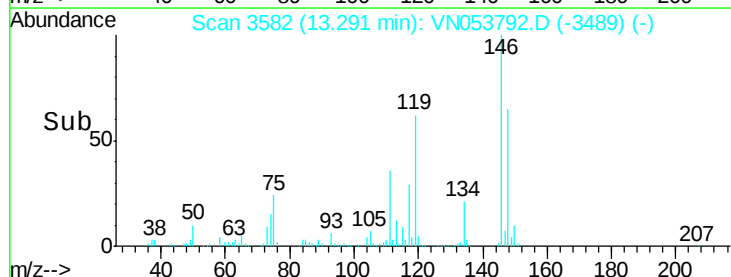
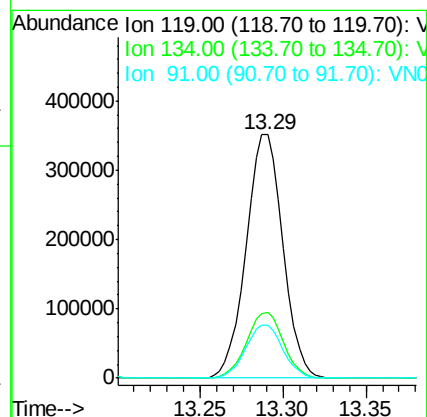
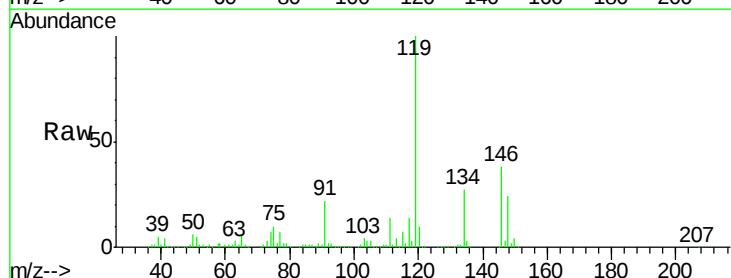
Tgt Ion:119 Resp: 538485

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 22.0 11.0 33.0





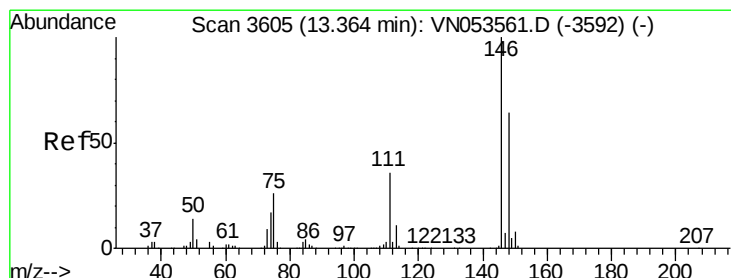
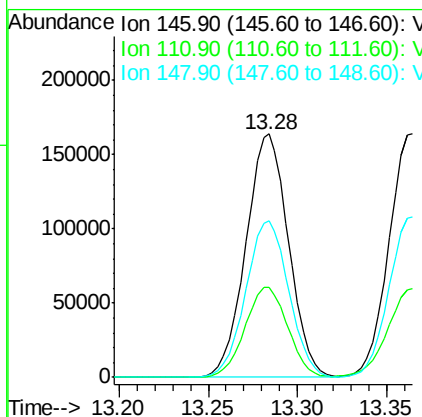
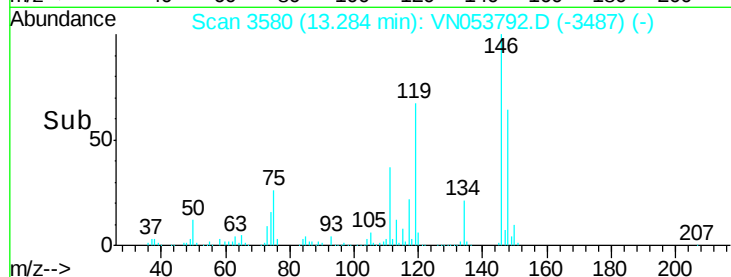
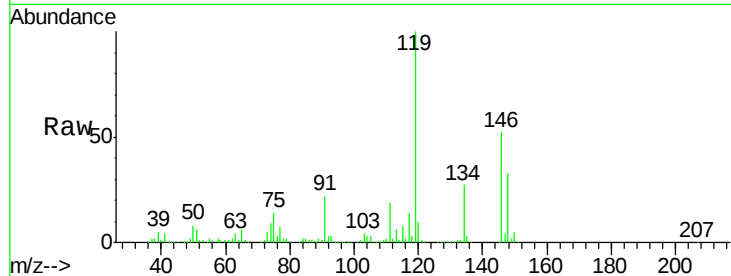
#87
 1,3-Dichlorobenzene
 Concen: 20.206 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Instrument :
 MSVOA_N
 ClientSampled :
 VN0215WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	274033		
111	37.1	18.8	56.3	
148	65.0	32.0	96.2	

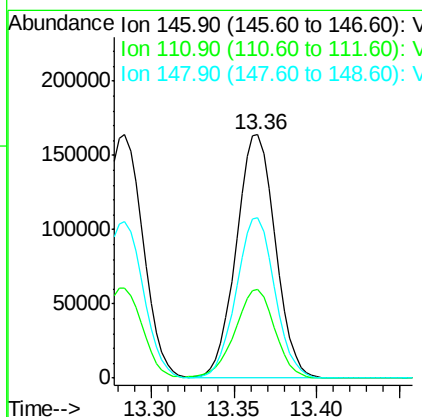
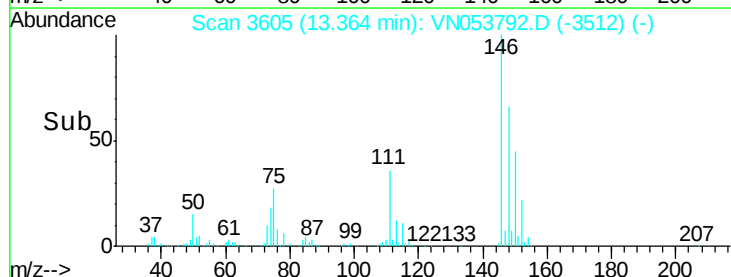
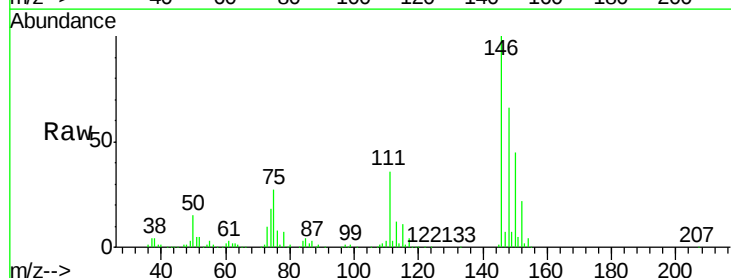
Manual Integrations
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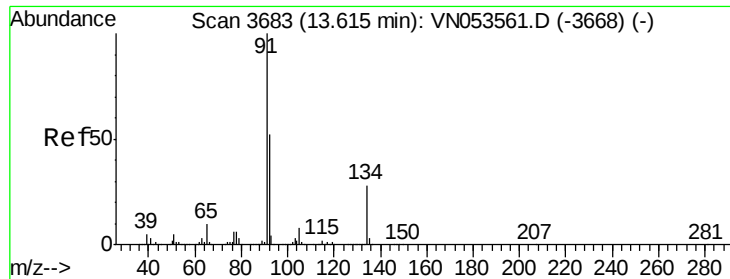
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.043 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	268887		
111	37.2	18.6	55.8	
148	64.9	32.4	97.0	





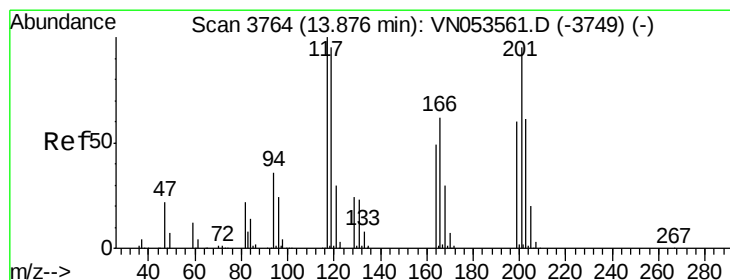
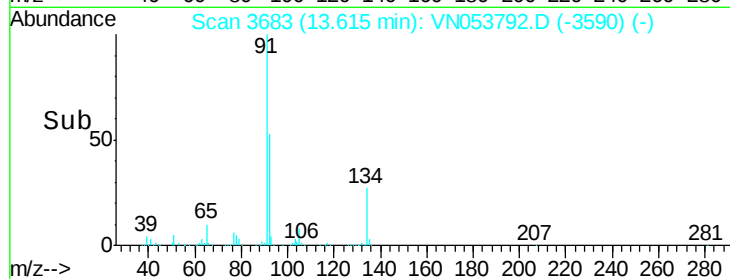
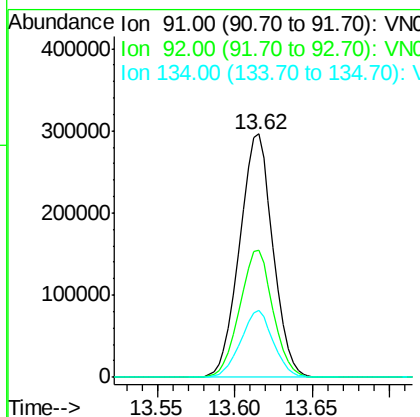
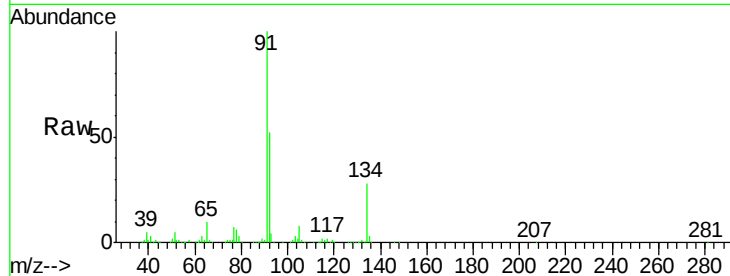
#89
n-Butylbenzene
Concen: 20.966 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.8
134	27.0	13.5	40.5

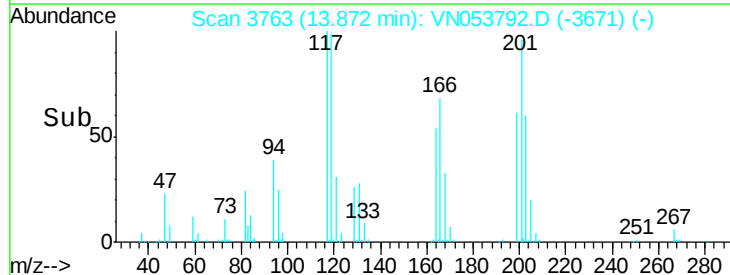
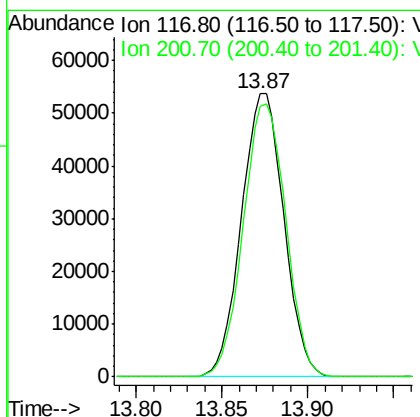
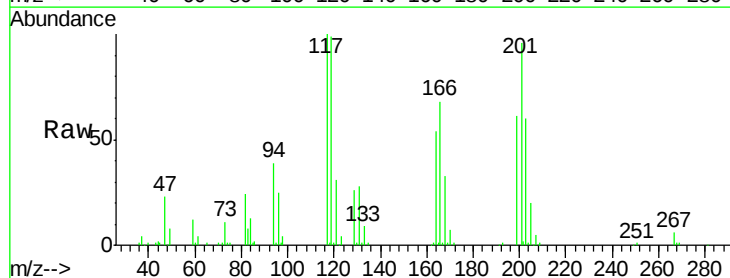
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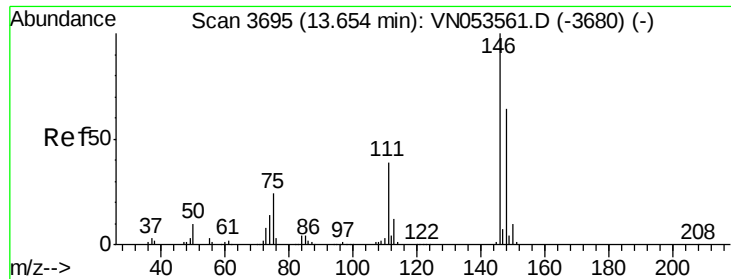
MMDadoda
2/18/2019 9:48:06 AM



#90
Hexachloroethane
Concen: 22.805 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.8	46.8	140.4





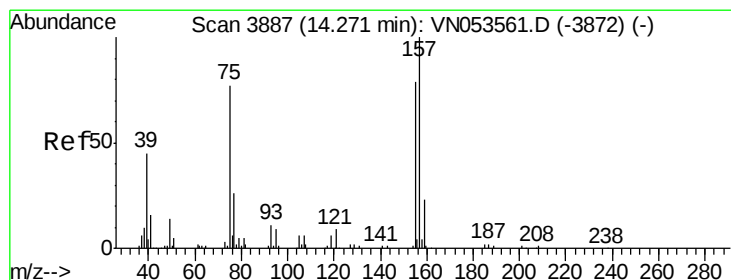
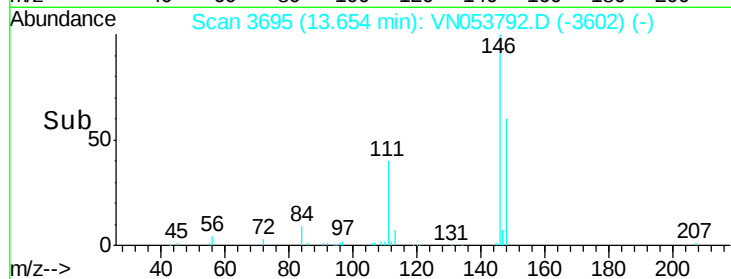
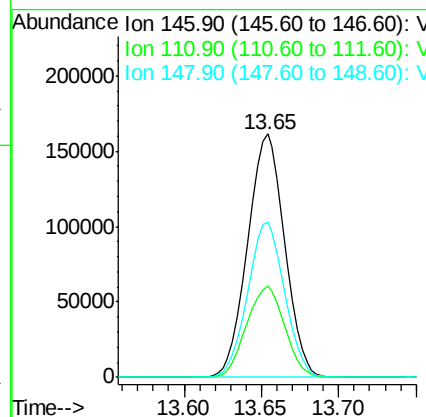
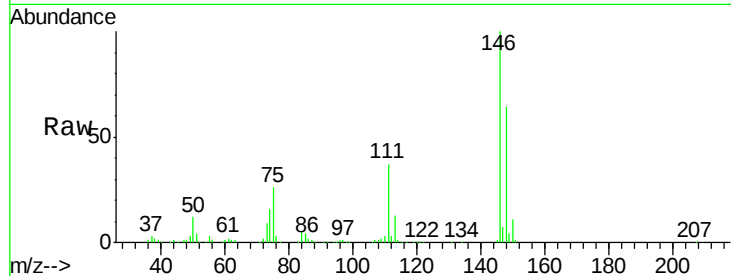
#91
 1,2-Dichlorobenzene
 Concen: 20.737 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	63.6	31.9	95.9

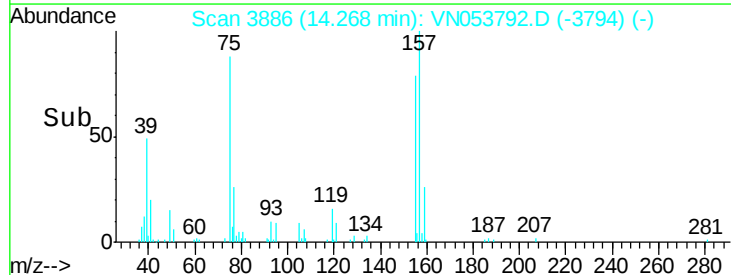
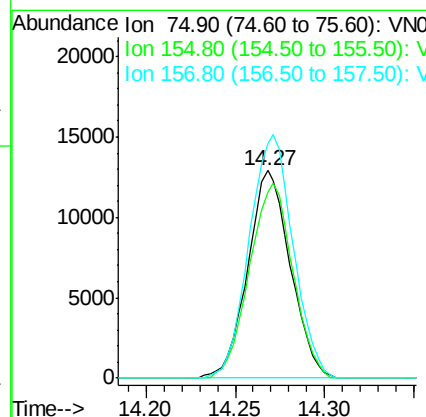
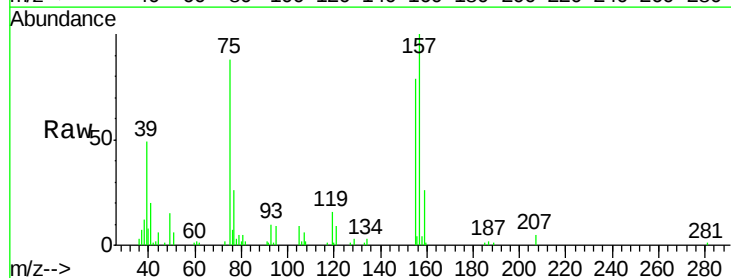
Manual Integrations
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 2/18/2019 9:48:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.544 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.5	48.9	146.7
157	120.7	63.7	191.3





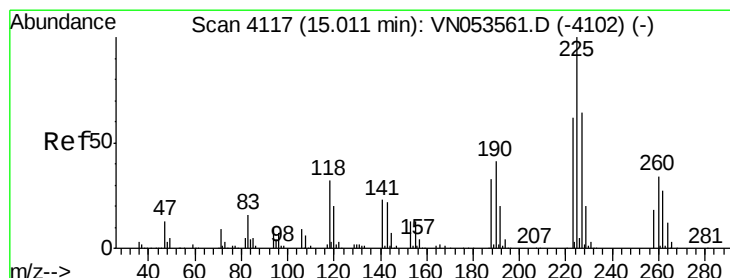
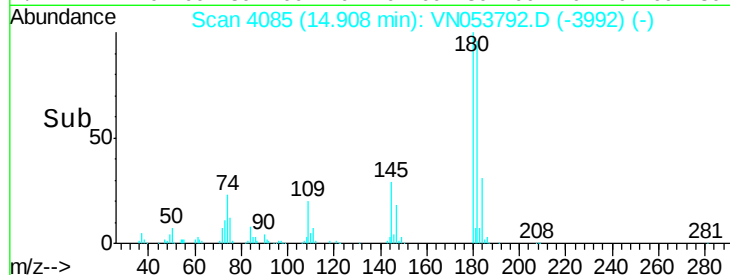
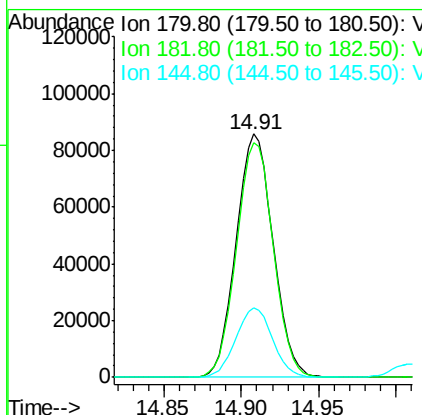
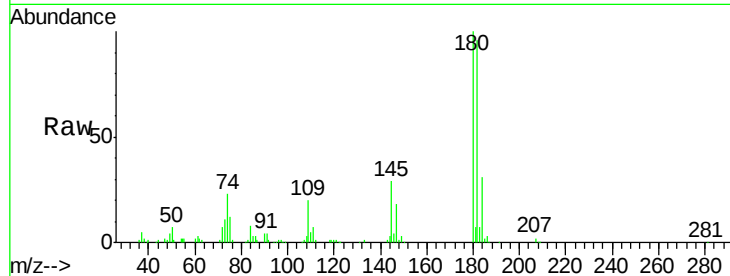
#93
 1,2,4-Trichlorobenzene
 Concen: 19.098 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	142210		
182	96.2	48.1	144.3	
145	28.4	13.9	41.6	

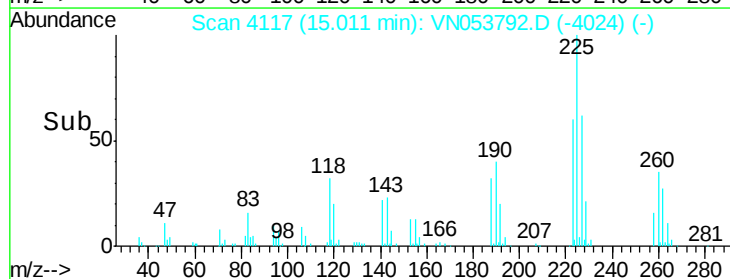
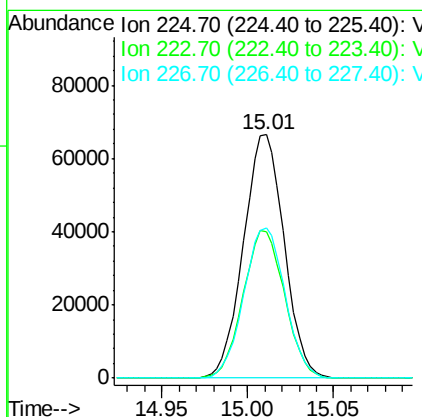
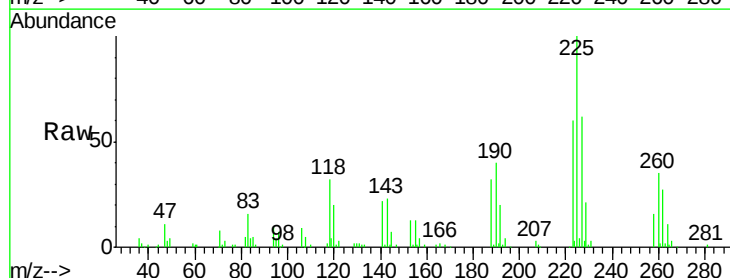
Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 9:48:06 AM



#94
 Hexachlorobutadiene
 Concen: 23.564 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	109276		
223	61.4	31.1	93.2	
227	62.5	32.0	96.2	





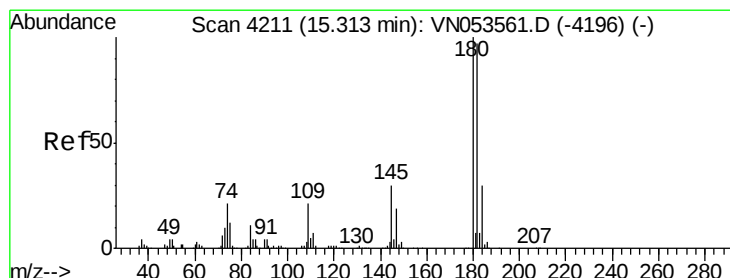
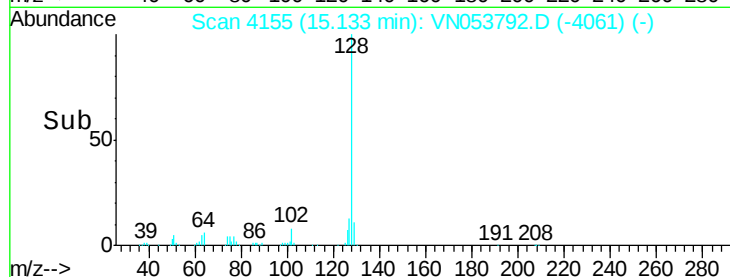
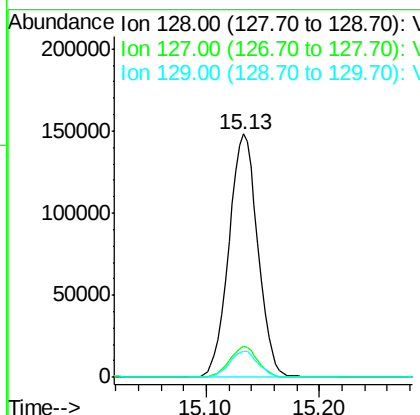
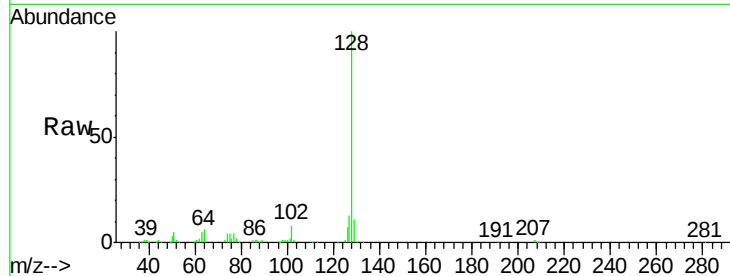
#95
Naphthalene
Concen: 16.277 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	263500		
127	12.6		10.3	15.5
129	10.8		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/18/2019 9:48:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.173 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	139382		
182	94.1		47.9	143.8
145	29.6		14.7	44.1

