

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010919\
 Data File : VN053321.D
 Acq On : 9 Jan 2019 10:47
 Operator : MD\SY
 Sample : VN0109WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 9:25:18 AM

Quant Time: Jan 10 03:31:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1030651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1536552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1369610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	632761	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	511132	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
35) Dibromofluoromethane	7.59	113	434220	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
50) Toluene-d8	10.09	98	1853722	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.40	95	643423	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	174414	19.195	ug/l	100
3) Chloromethane	2.06	50	225253	17.752	ug/l	99
4) Vinyl Chloride	2.19	62	226340	18.689	ug/l	99
5) Bromomethane	2.57	94	151264	19.114	ug/l	97
6) Chloroethane	2.71	64	132432	18.116	ug/l	100
7) Trichlorofluoromethane	3.02	101	300000	19.124	ug/l	99
8) Diethyl Ether	3.41	74	116512	18.949	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	190029	19.114	ug/l	98
10) Methyl Iodide	3.96	142	266455	19.120	ug/l	99
11) Tert butyl alcohol	4.78	59	58609	90.875	ug/l	99
12) 1,1-Dichloroethene	3.74	96	183192	19.049	ug/l	99
13) Acrolein	3.61	56	64315	79.313	ug/l	97
14) Allyl chloride	4.33	41	299020	19.292	ug/l	95
15) Acrylonitrile	4.99	53	352017	91.432	ug/l	99
16) Acetone	3.82	43	266077	101.780	ug/l	98
17) Carbon Disulfide	4.06	76	528198	17.815	ug/l	99
18) Methyl Acetate	4.33	43	164344	16.935	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	516254	19.128	ug/l	100
20) Methylene Chloride	4.55	84	210135	18.247	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	193153	18.706	ug/l	98
22) Diisopropyl ether	5.95	45	636702	19.068	ug/l	97
23) Vinyl Acetate	5.90	43	1975628	94.034	ug/l	99
24) 1,1-Dichloroethane	5.85	63	364887	18.947	ug/l	99
25) 2-Butanone	6.83	43	409515	93.091	ug/l	99
26) 2,2-Dichloropropane	6.83	77	267043	18.969	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	223426	18.948	ug/l	99
28) Bromochloromethane	7.20	49	173255	21.112	ug/l	99
29) Tetrahydrofuran	7.21	42	265209	91.357	ug/l	99
30) Chloroform	7.37	83	356154	18.789	ug/l	99
31) Cyclohexane	7.66	56	348999	18.950	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	298811	18.918	ug/l	100
36) 1,1-Dichloropropene	7.79	75	281753	19.642	ug/l	100
37) Ethyl Acetate	6.93	43	178282	19.081	ug/l	99
38) Carbon Tetrachloride	7.77	117	257638	19.459	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	322592	19.412	ug/l	99
40) Benzene	8.04	78	848680	19.368	ug/l	98
41) Methacrylonitrile	7.17	41	92731	15.986	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	249378	19.187	ug/l	99
43) Isopropyl Acetate	8.16	43	321468	17.489	ug/l	99
44) Trichloroethene	8.83	130	230871	19.189	ug/l	100
45) 1,2-Dichloropropane	9.12	63	223893	19.482	ug/l	99
46) Dibromomethane	9.21	93	128811	19.223	ug/l	99
47) Bromodichloromethane	9.40	83	271774	19.462	ug/l	99
48) Methyl methacrylate	9.20	41	155848	18.663	ug/l	98
49) 1,4-Dioxane	9.20	88	32467	364.914	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	888771	96.151	ug/l	100
52) Toluene	10.16	92	525423	19.546	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	275836	19.309	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	325596	19.724	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	190751	19.298	ug/l	100
56) Ethyl methacrylate	10.43	69	248422	19.340	ug/l	99
57) 1,3-Dichloropropane	10.71	76	319964	19.357	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	663425	95.536	ug/l	100
59) 2-Hexanone	10.75	43	612667	96.737	ug/l	100
60) Dibromochloromethane	10.90	129	204859	19.216	ug/l	100
61) 1,2-Dibromoethane	11.00	107	186449	19.115	ug/l	98
64) Tetrachloroethene	10.63	164	253004	19.627	ug/l	99
65) Chlorobenzene	11.43	112	578910	19.457	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	203475	19.539	ug/l	99
67) Ethyl Benzene	11.51	91	1000116	19.782	ug/l	100
68) m/p-Xylenes	11.62	106	758854	39.917	ug/l	100
69) o-Xylene	11.95	106	368535	19.801	ug/l	98
70) Styrene	11.96	104	612086	20.207	ug/l	98
71) Bromoform	12.13	173	141733	19.268	ug/l #	99
73) Isopropylbenzene	12.25	105	977029	20.739	ug/l	100
74) N-amyl acetate	12.07	43	273169	19.418	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	213662	19.716	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	187358m	20.301	ug/l	
77) Bromobenzene	12.53	156	251543	20.006	ug/l	99
78) n-propylbenzene	12.59	91	1092791	20.507	ug/l	99
79) 2-Chlorotoluene	12.67	91	657622	20.395	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	785794	20.707	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	62688	19.984	ug/l	98
82) 4-Chlorotoluene	12.77	91	664883	20.109	ug/l	100
83) tert-Butylbenzene	12.99	119	675104	20.277	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	794832	20.560	ug/l	100
85) sec-Butylbenzene	13.17	105	894470	20.371	ug/l	100
86) p-Isopropyltoluene	13.29	119	773621	20.350	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	436249	19.702	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	428024	19.487	ug/l	99
89) n-Butylbenzene	13.62	91	621579	19.502	ug/l	100
90) Hexachloroethane	13.87	117	116547	19.127	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	410807	19.807	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26912	20.474	ug/l	100

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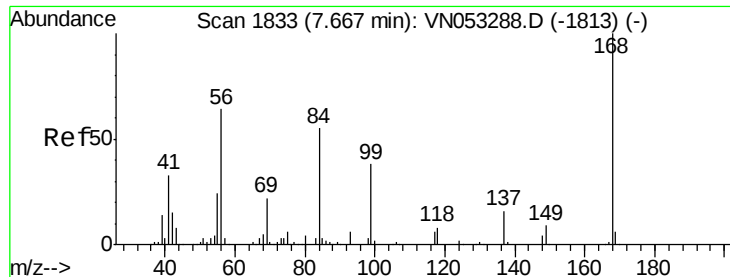
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	142106	21.791	ug/l	99
94) Hexachlorobutadiene	15.01	225	114668	21.497	ug/l	98
95) Naphthalene	15.13	128	252396	22.687	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	96078	22.503	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: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

Tot Ion:168 Resp: 1030651

Ion Ratio Lower Upper

168 100

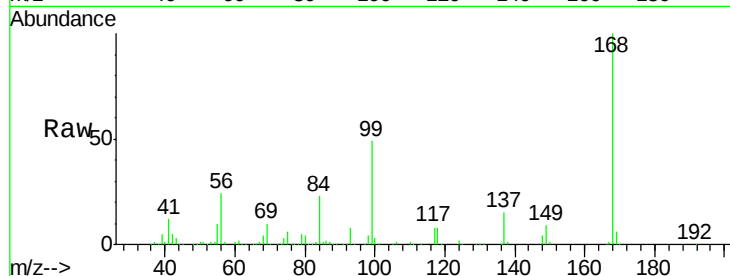
99 49.0 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

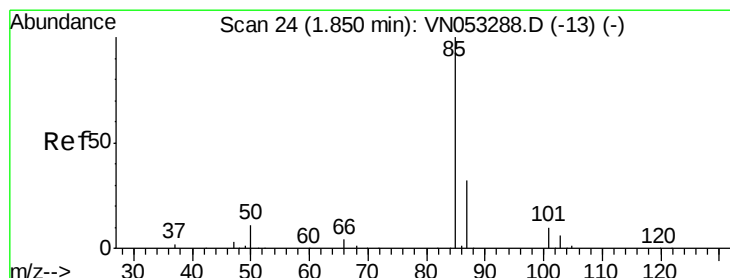
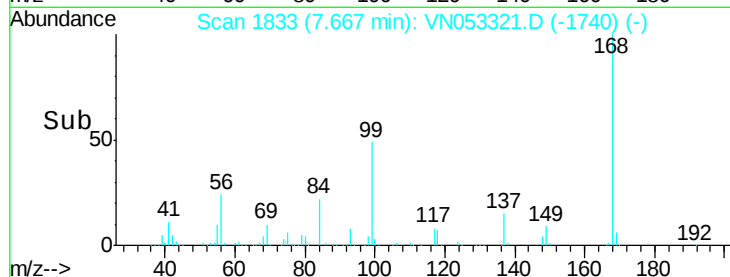
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.195 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053321.D

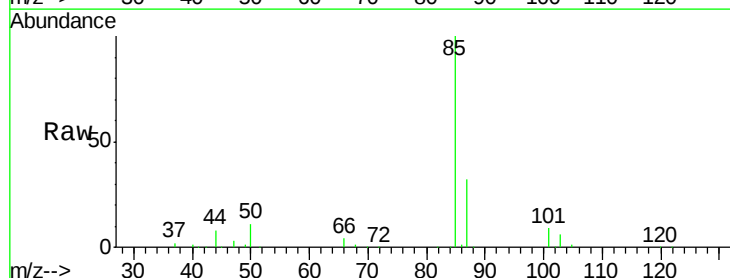
Acq: 9 Jan 2019 10:47

Tgt Ion: 85 Resp: 174414

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

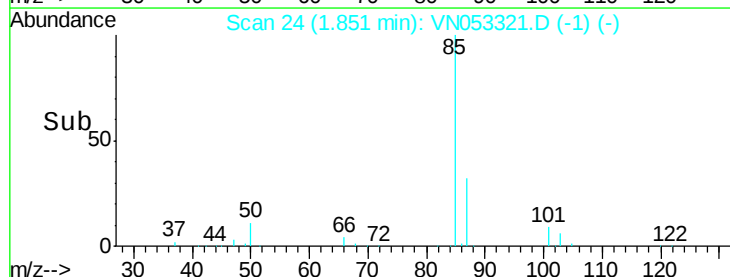
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 17.752 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

Tot Ion: 50 Resp: 225253

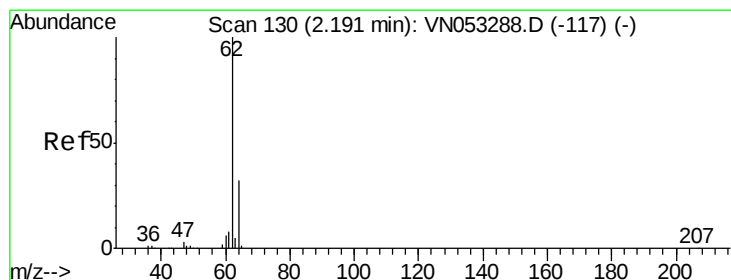
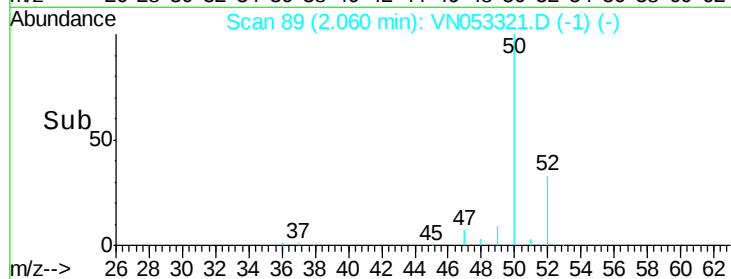
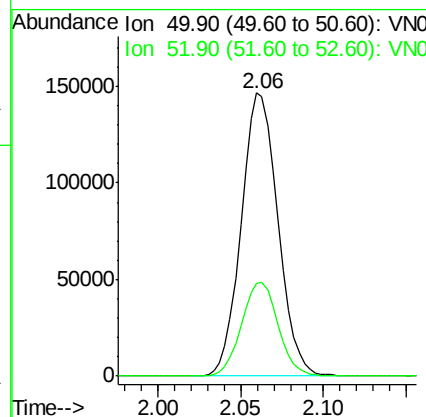
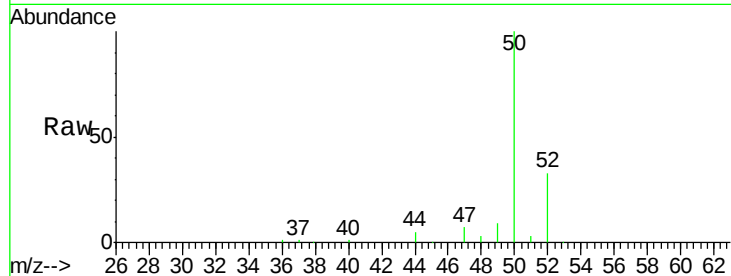
Ion Ratio Lower Upper

50 100

52 32.6 26.6 40.0

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#4

Vinyl Chloride

Concen: 18.689 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053321.D

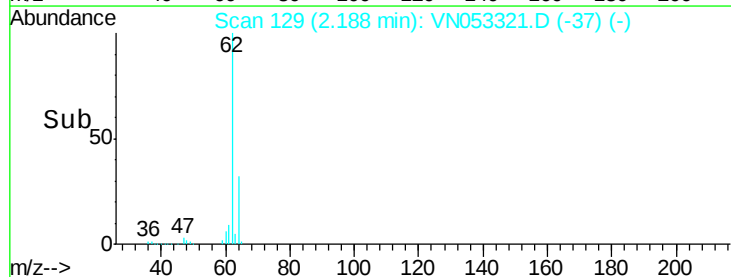
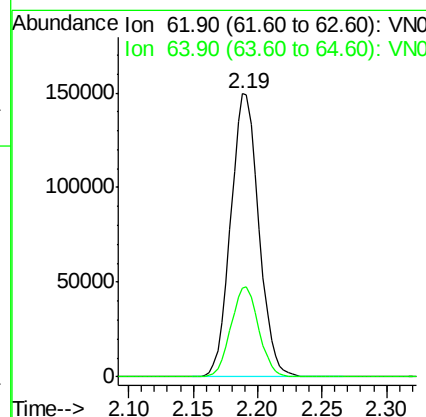
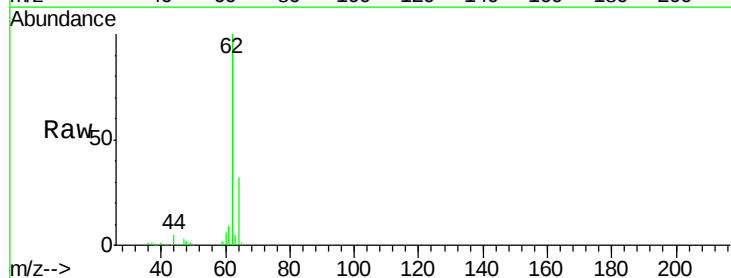
Acq: 9 Jan 2019 10:47

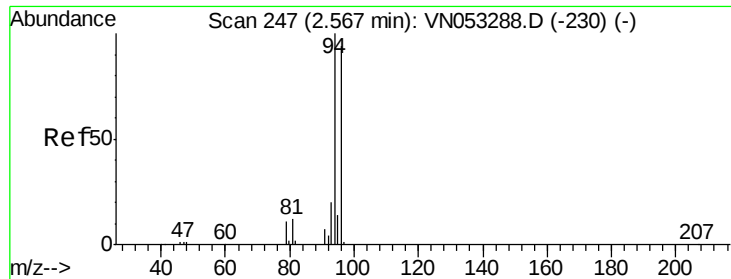
Tgt Ion: 62 Resp: 226340

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4





#5

Bromomethane

Concen: 19.114 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

Tot Ion: 94 Resp: 151264

Ion Ratio Lower Upper

94 100

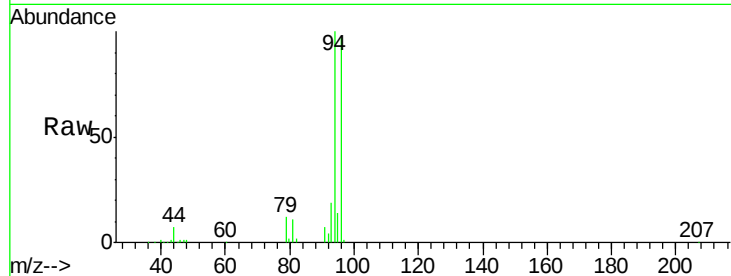
96 96.6 74.9 112.3

Manual Integrations

APPROVED

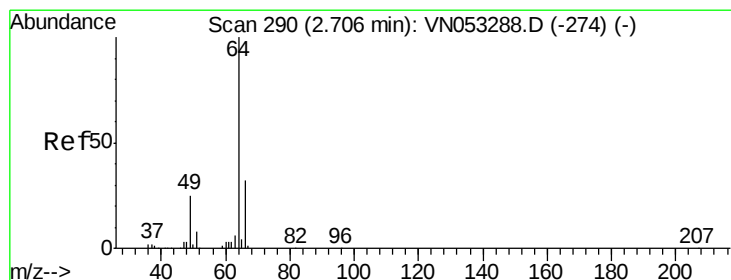
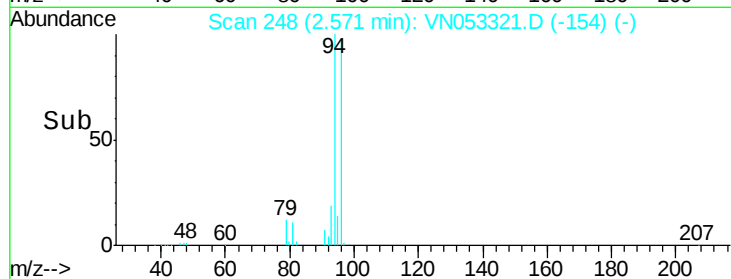
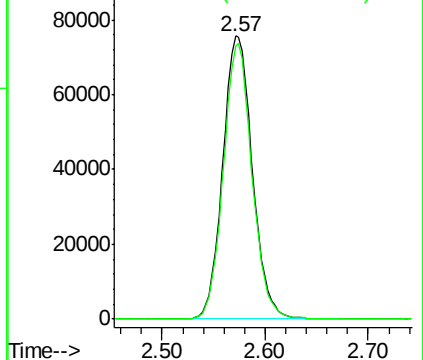
MMDadoda

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 18.116 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053321.D

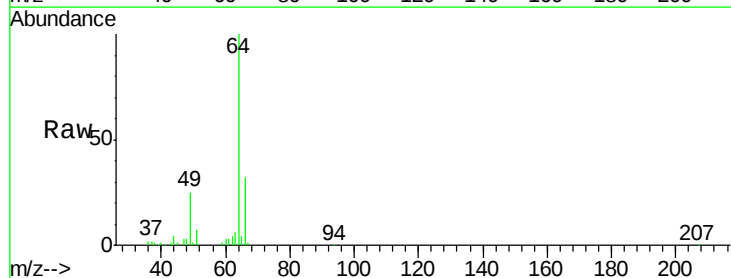
Acq: 9 Jan 2019 10:47

Tgt Ion: 64 Resp: 132432

Ion Ratio Lower Upper

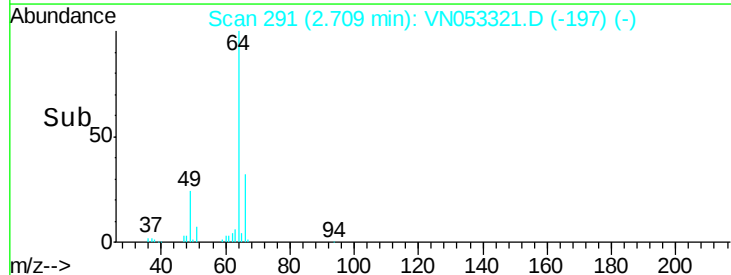
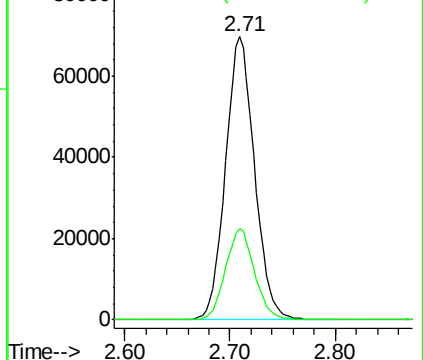
64 100

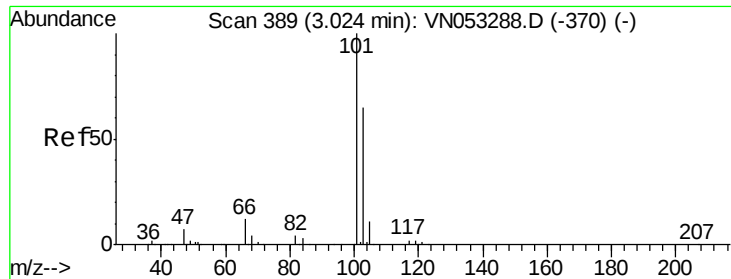
66 32.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

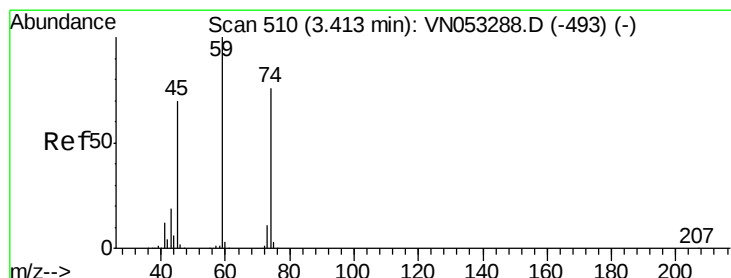
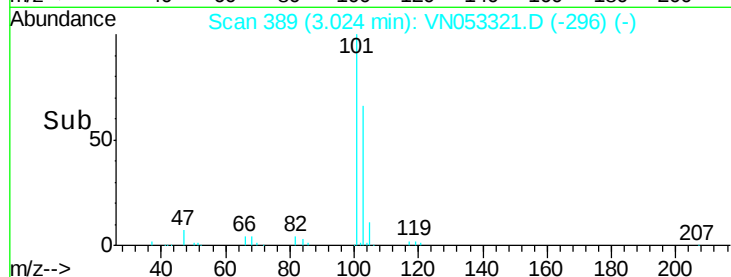
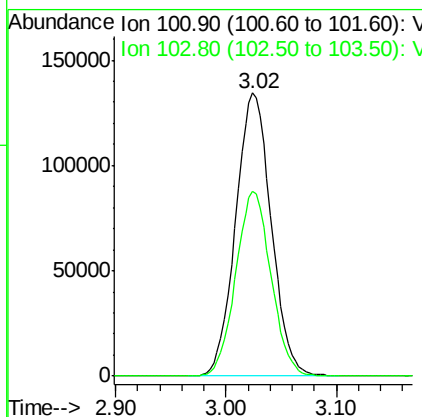
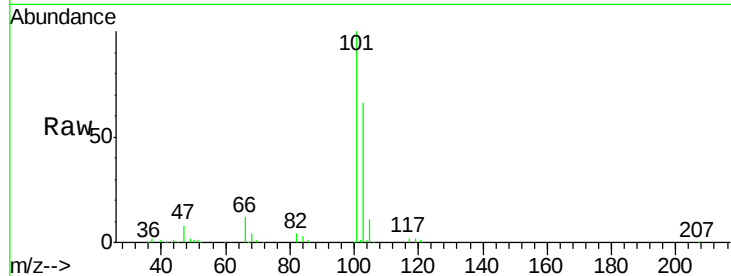
Trichlorofluoromethane
 Concen: 19.124 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		300000		
103	65.5	52.1		78.1	

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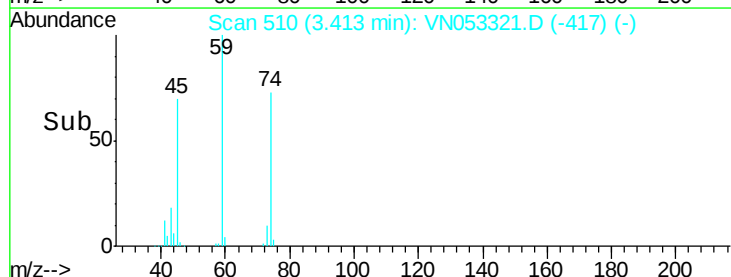
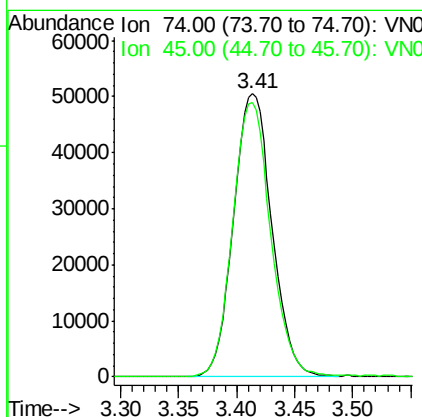
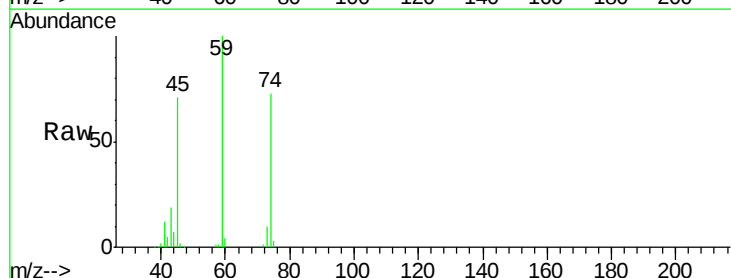
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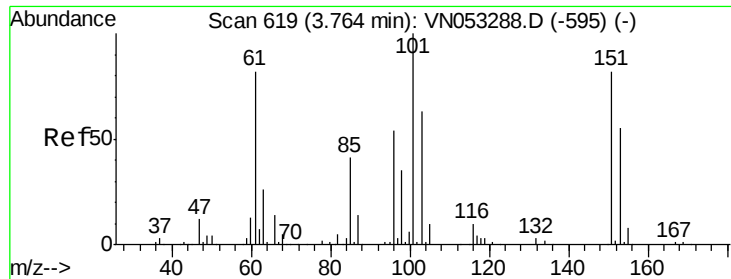


#8

Diethyl Ether
 Concen: 18.949 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		116512		
45	95.8	48.3		144.9	





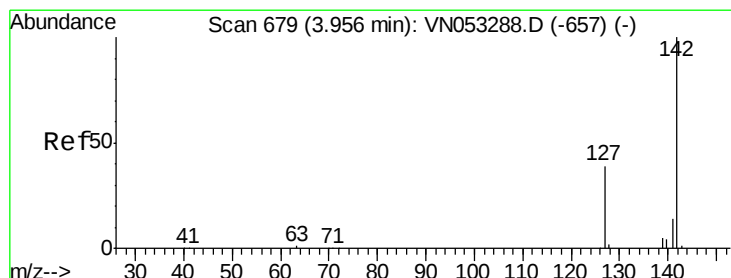
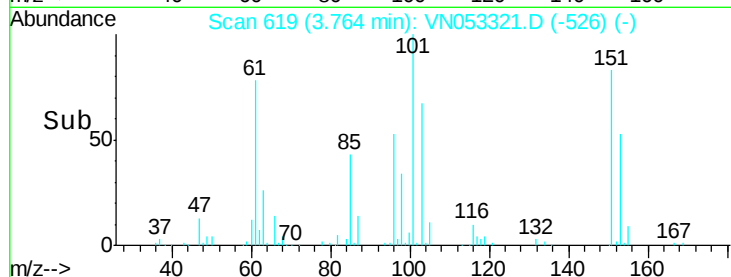
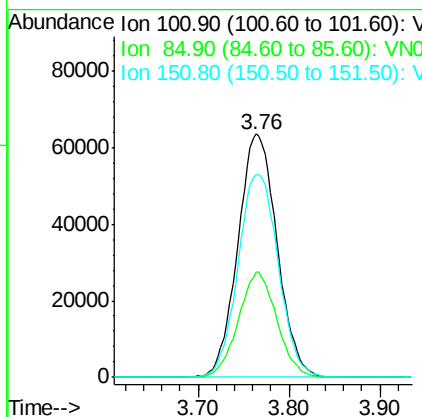
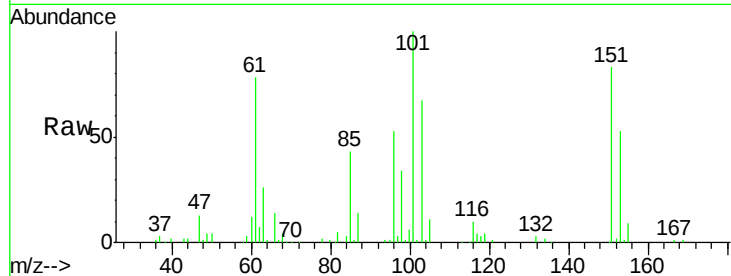
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.114 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN053321.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	190029		
85	42.3		33.3	49.9
151	85.8		67.0	100.4

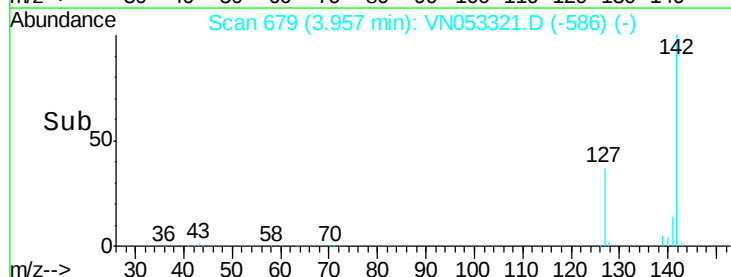
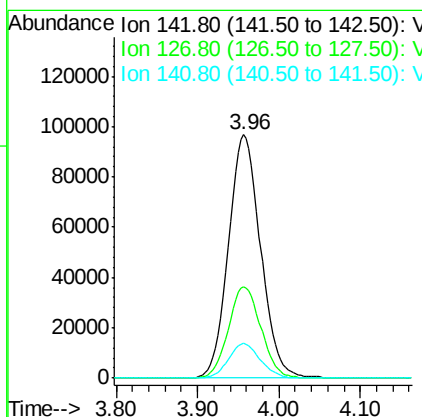
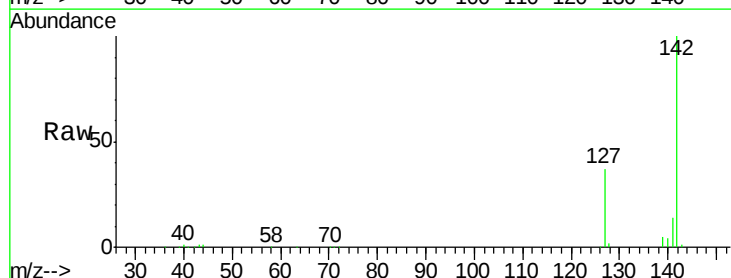
Manual Integrations
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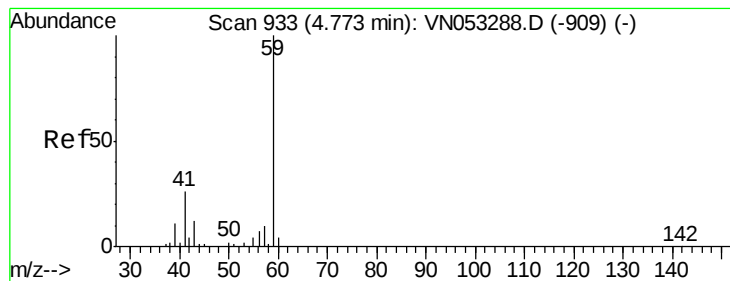
MMDadoda
 1/10/2019 9:25:18 AM



#10
 Methyl Iodide
 Concen: 19.120 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	266455		
127	37.9		30.9	46.3
141	13.9		11.2	16.8





#11

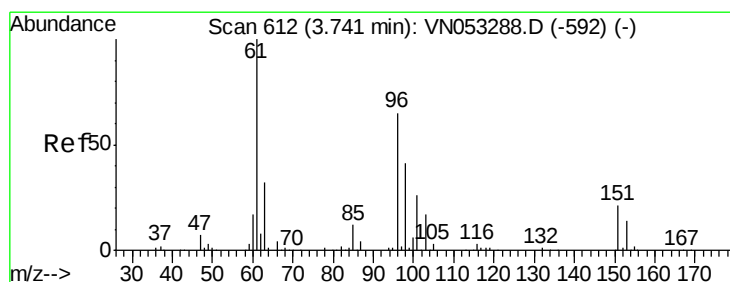
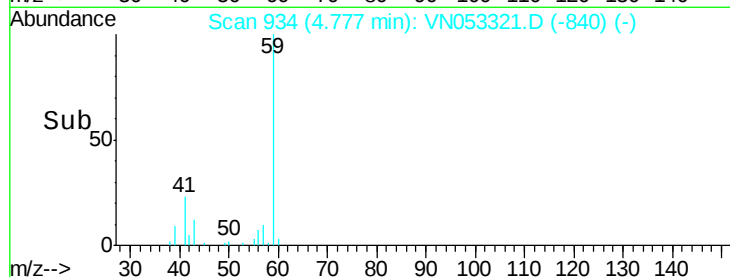
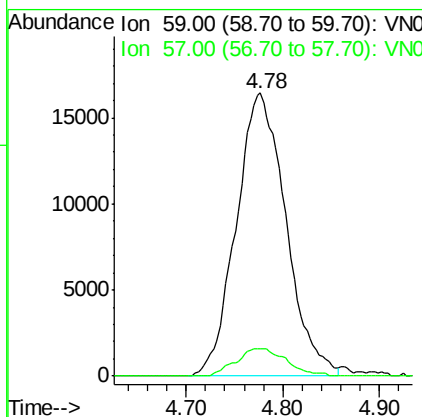
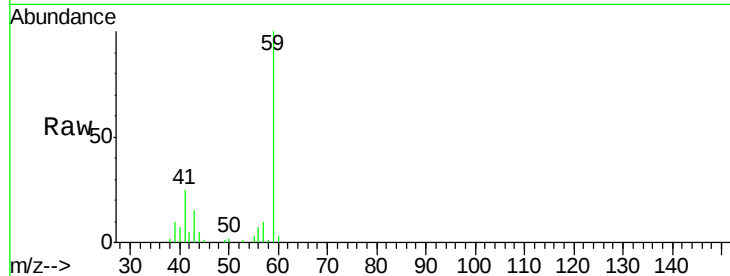
Tert butyl alcohol
Concen: 90.875 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.0	12.0

Manual Integrations
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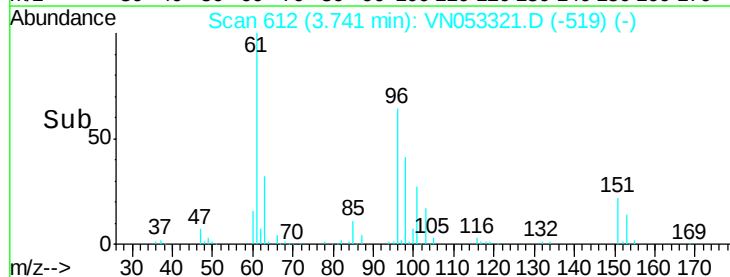
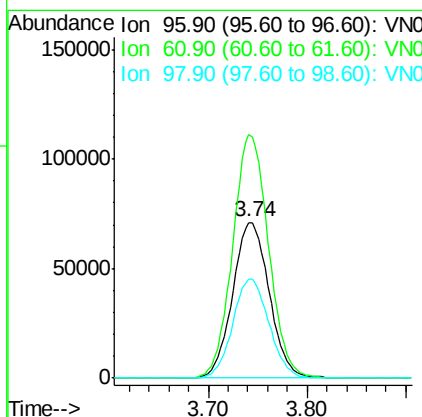
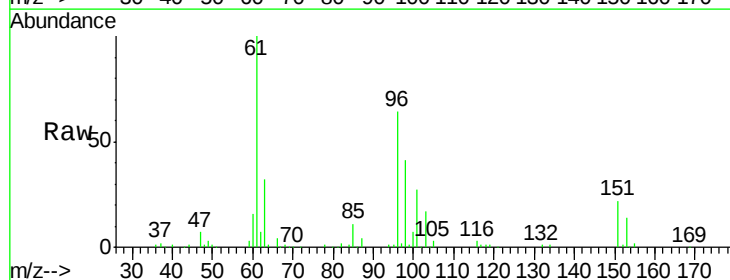
MMDadoda
1/10/2019 9:25:18 AM

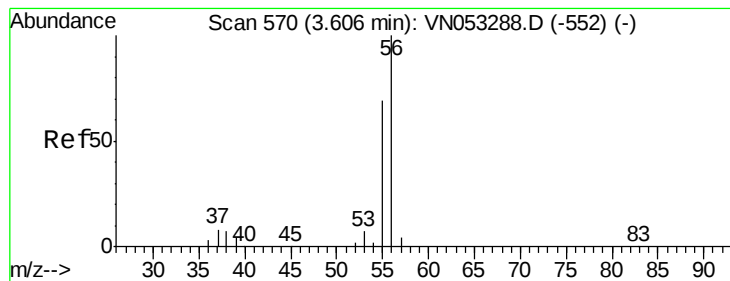


#12

1,1-Dichloroethene
Concen: 19.049 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.3	123.2	184.8
98	63.6	50.5	75.7





#13

Acrolein

Concen: 79.313 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

Tot Ion: 56 Resp: 64315

Ion Ratio Lower Upper

56 100

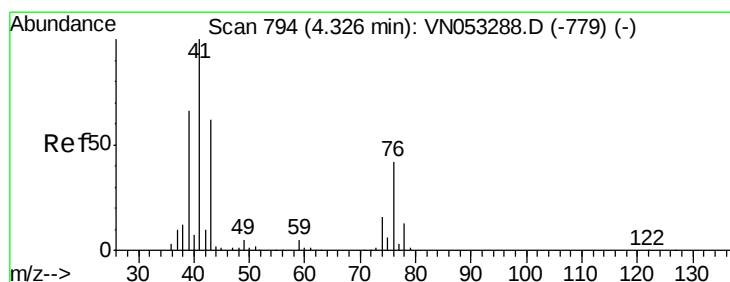
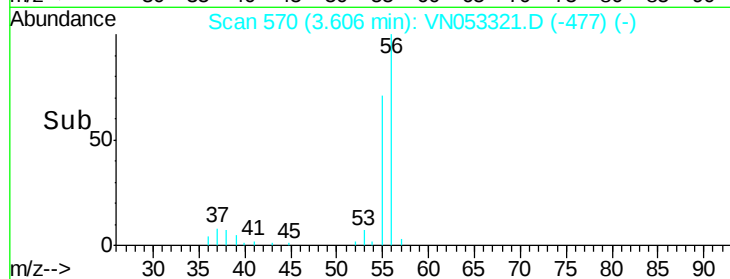
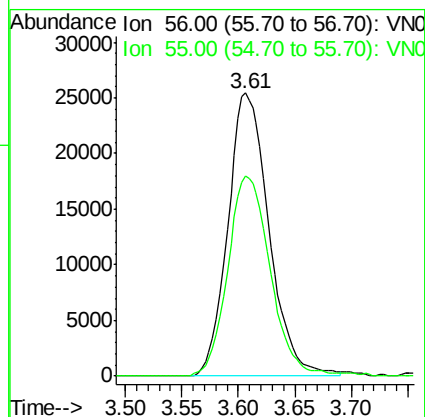
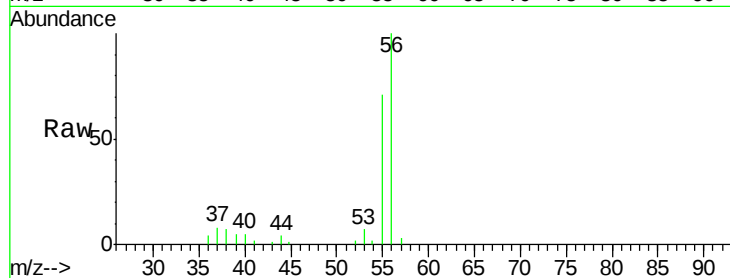
55 72.9 56.3 84.5

Manual Integrations

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#14

Allyl chloride

Concen: 19.292 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

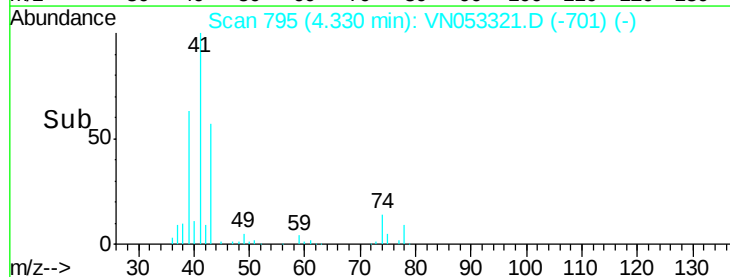
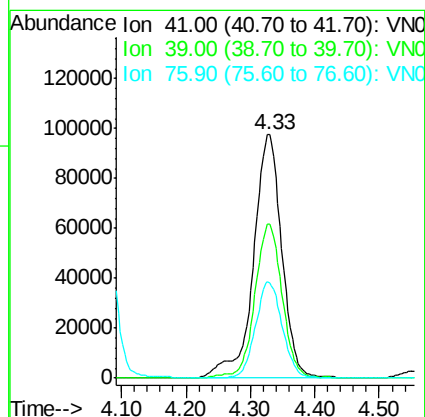
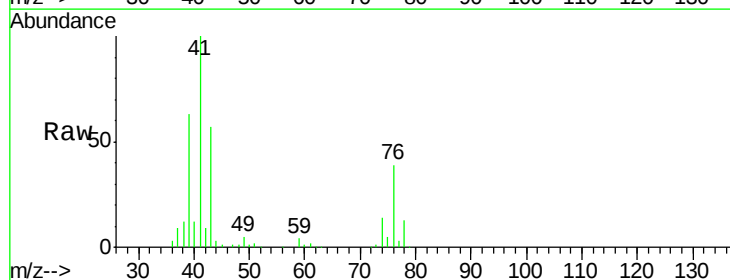
Tgt Ion: 41 Resp: 299020

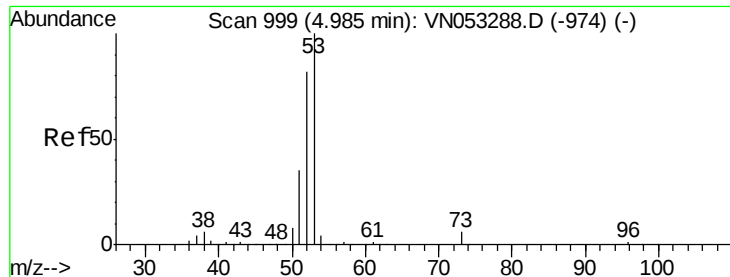
Ion Ratio Lower Upper

41 100

39 60.7 51.9 77.9

76 36.5 31.2 46.8





#15

Acrylonitrile

Concen: 91.432 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

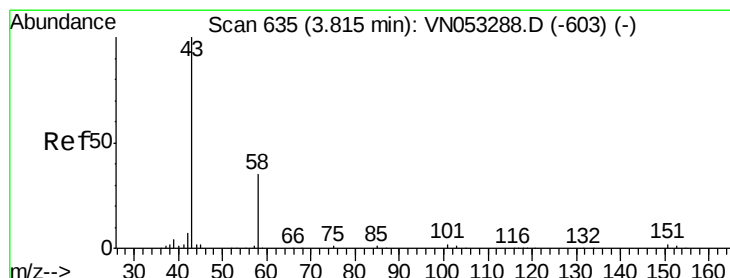
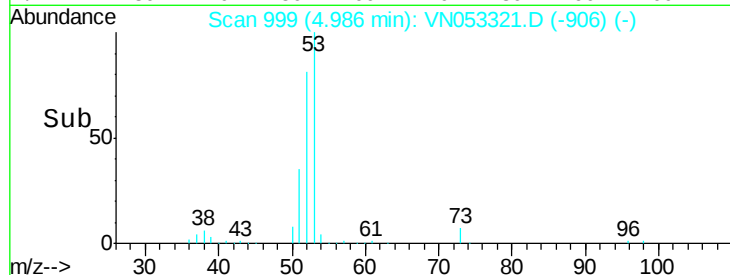
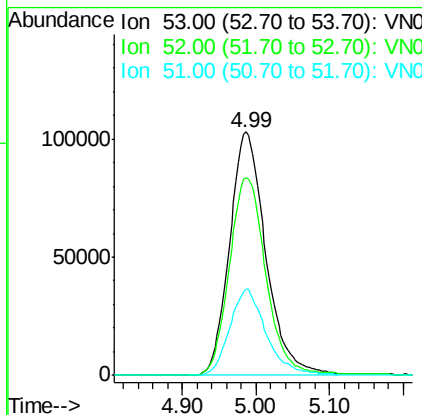
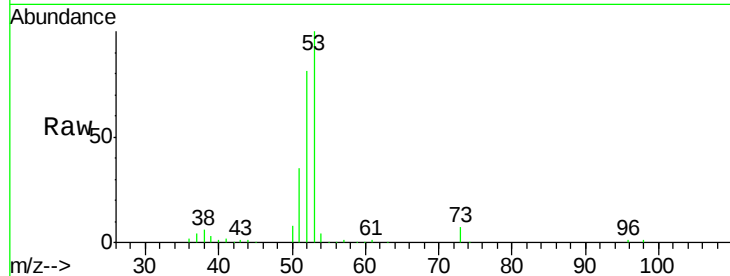
ClientSampleId :

VN0109WBS01

Tot Ion:	53	Resp:	352017
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.2	97.8
51	35.8	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 101.780 ug/l

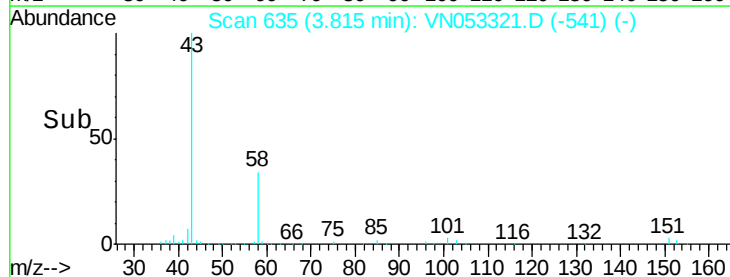
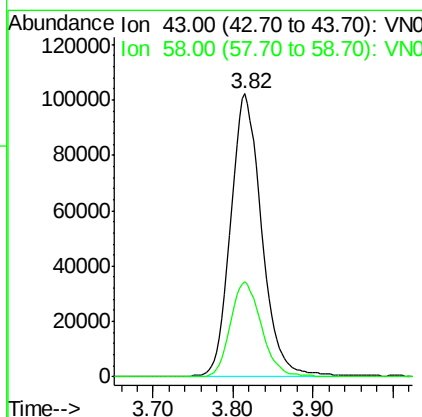
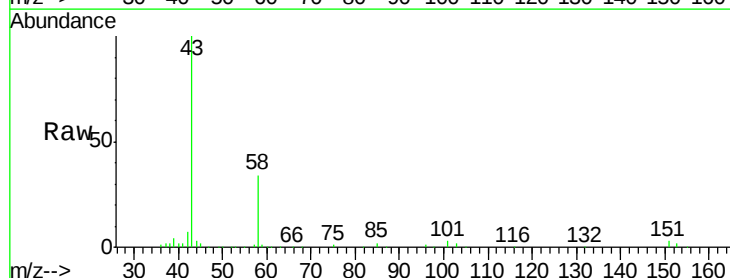
RT: 3.82 min Scan# 635

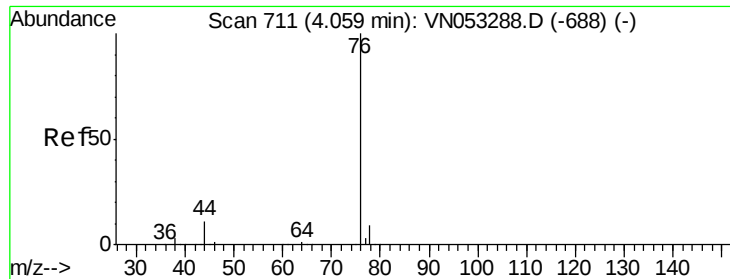
Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Tgt Ion:	43	Resp:	266077
Ion	Ratio	Lower	Upper
43	100		
58	33.7	27.8	41.6





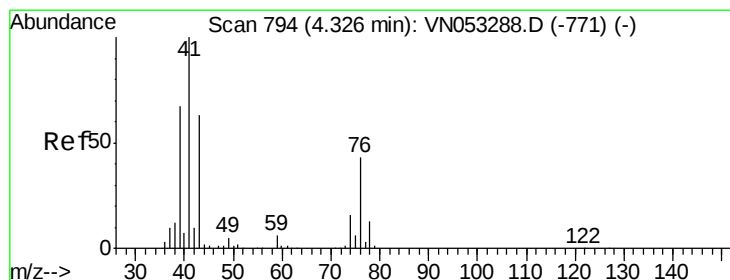
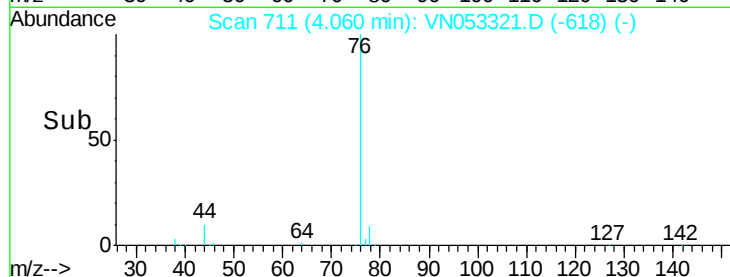
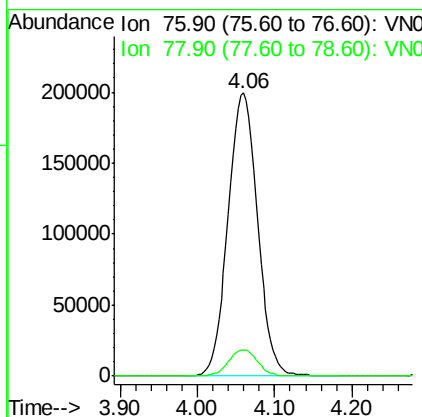
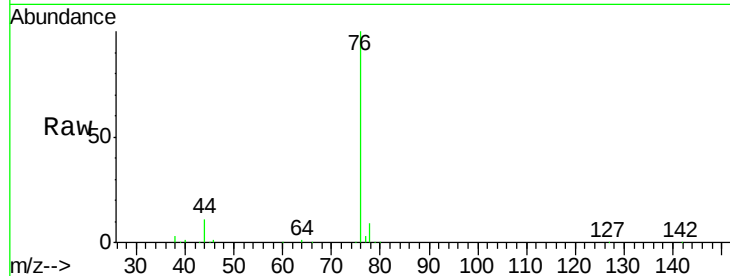
#17
Carbon Disulfide
Concen: 17.815 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

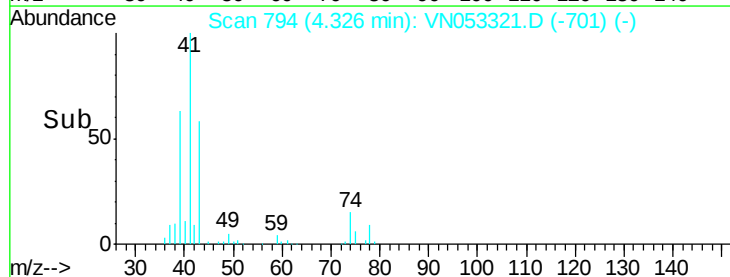
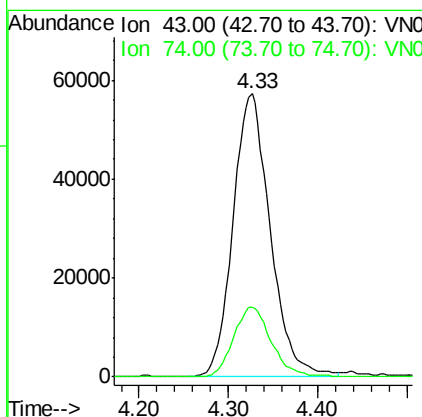
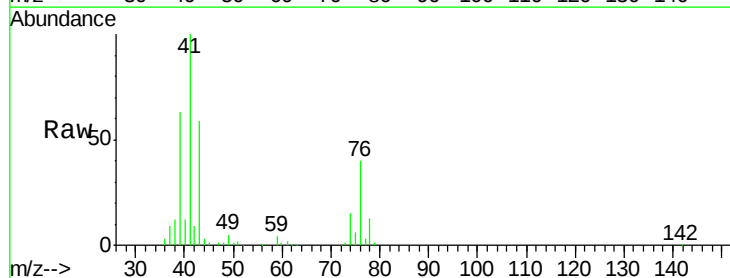
Manual Integrations
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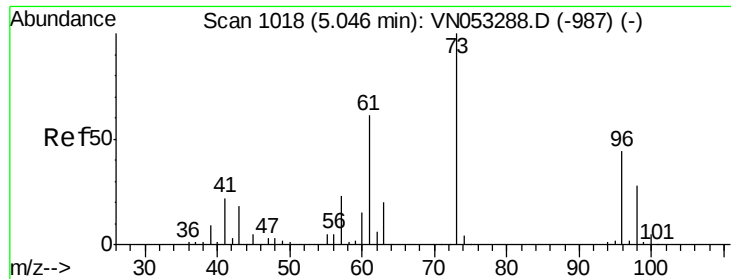
MMDadoda
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#18
Methyl Acetate
Concen: 16.935 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.8	29.8





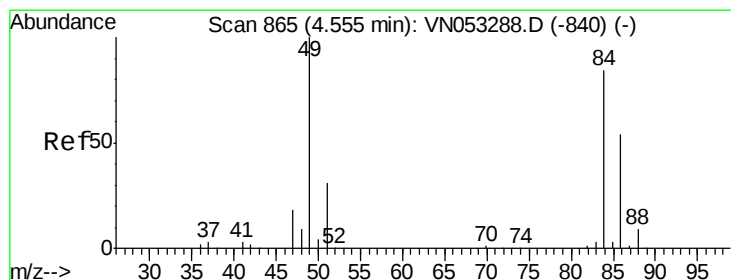
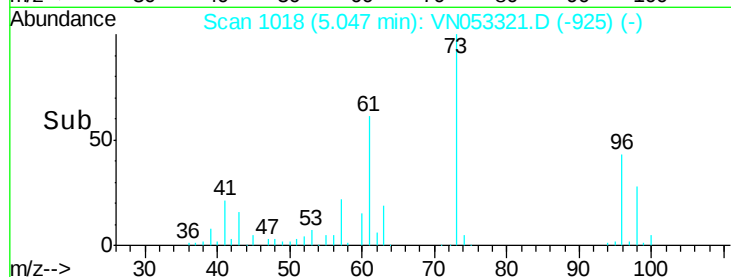
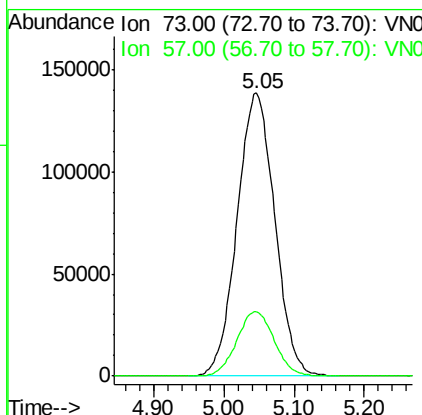
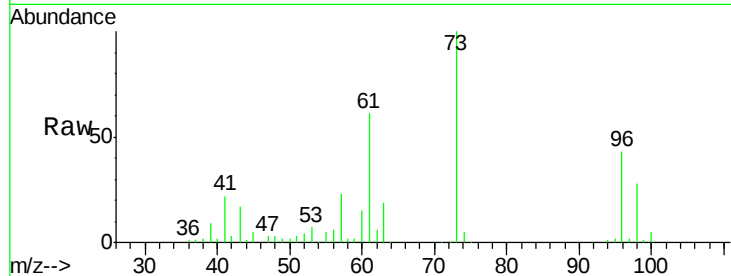
#19
Methvl tert-butvl Ether
Concen: 19.128 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Tot Ion: 73 Resp: 516254
Ion Ratio Lower Upper
73 100
57 22.9 18.5 27.7

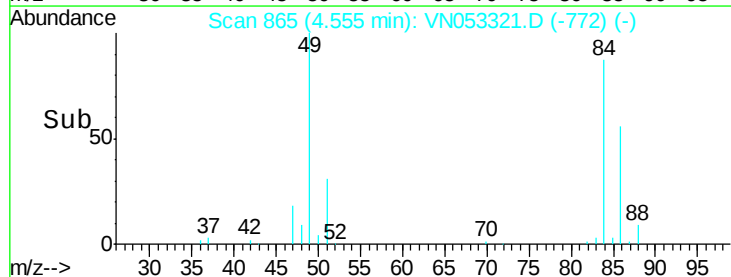
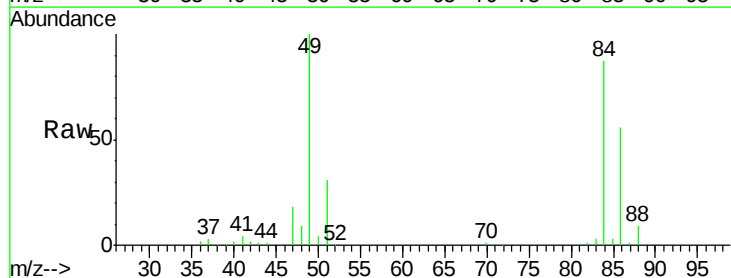
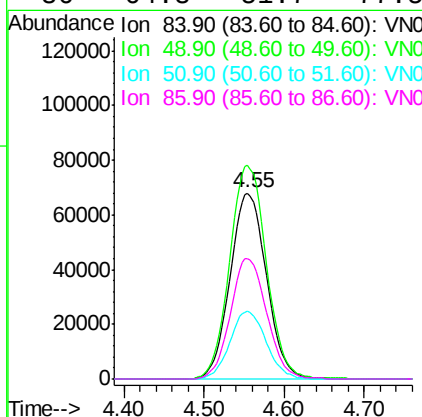
Manual Integrations
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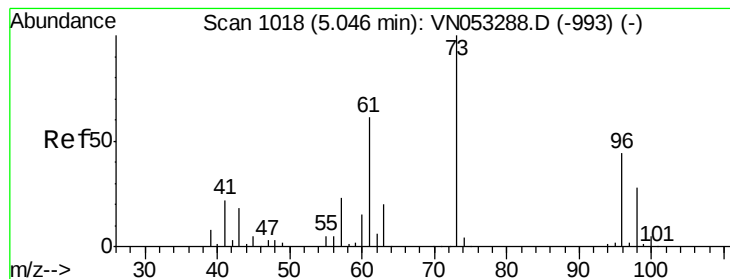
MMDadoda
1/10/2019 9:25:18 AM



#20
Methylene Chloride
Concen: 18.247 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion: 84 Resp: 210135
Ion Ratio Lower Upper
84 100
49 114.7 95.3 142.9
51 36.1 29.0 43.6
86 64.8 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 18.706 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

Tot Ion: 96 Resp: 193153

Ion Ratio Lower Upper

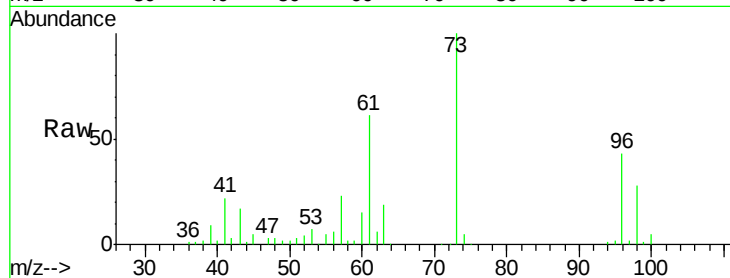
96 100

61 139.7 110.2 165.4

98 64.5 50.7 76.1

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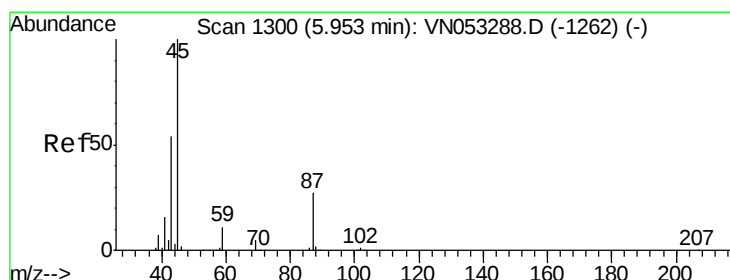
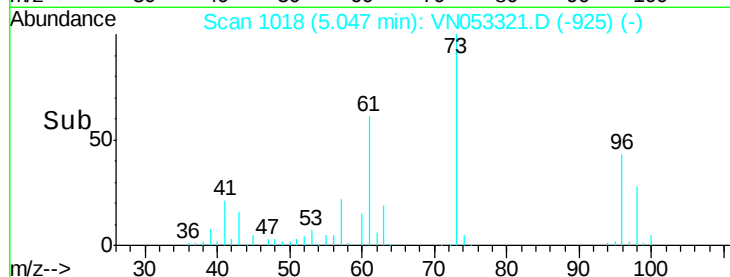
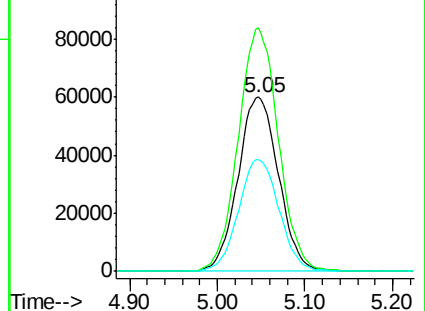
MMDadoda
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Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 19.068 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Tgt Ion: 45 Resp: 636702

Ion Ratio Lower Upper

45 100

43 57.4 43.0 64.6

87 27.4 22.1 33.1

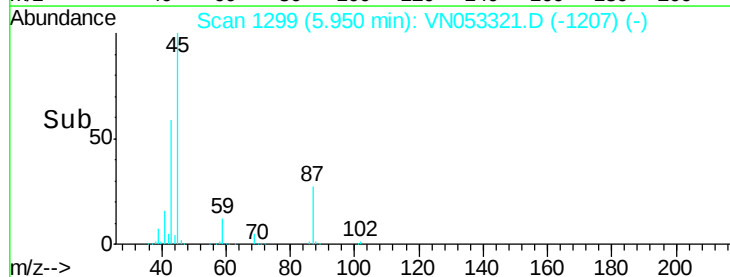
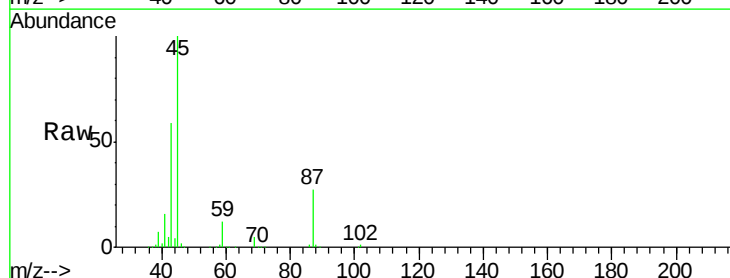
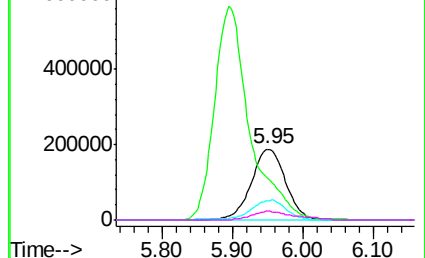
59 12.0 9.0 13.4

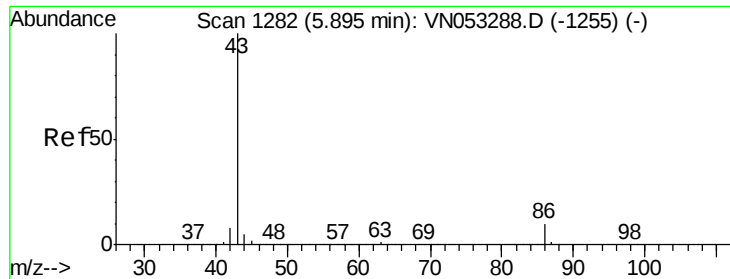
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 94.034 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

VN0109WBS01

Tot Ion: 43 Resp: 1975628

Ion Ratio Lower Upper

43 100

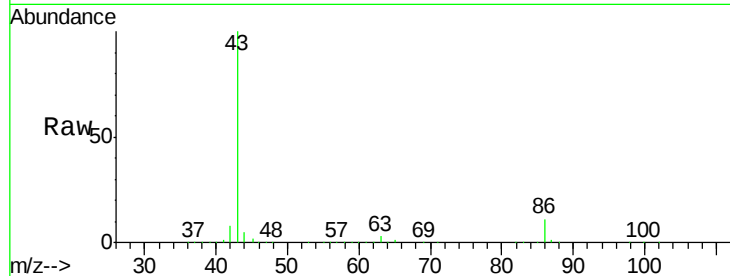
86 10.8 8.4 12.6

Manual Integrations

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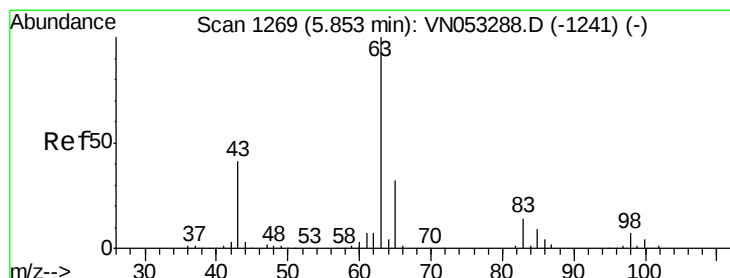
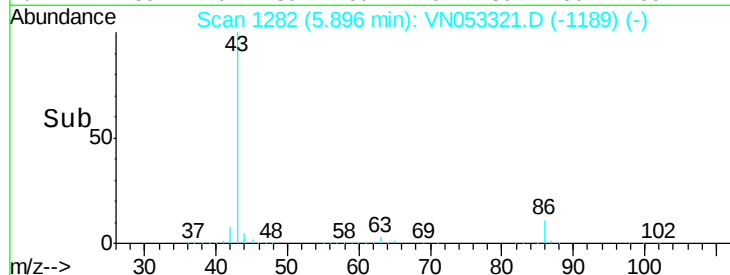
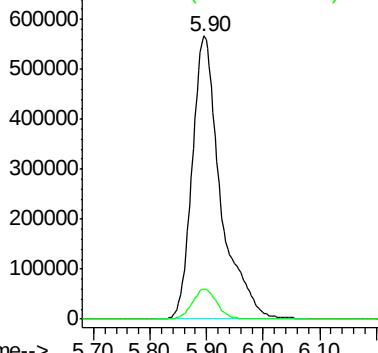
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.947 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

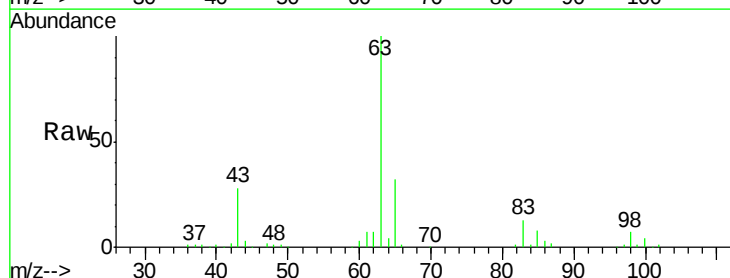
Tgt Ion: 63 Resp: 364887

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

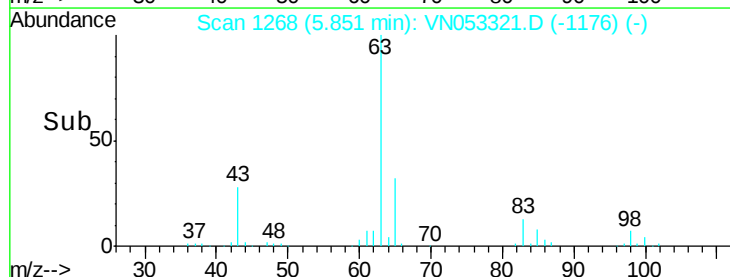
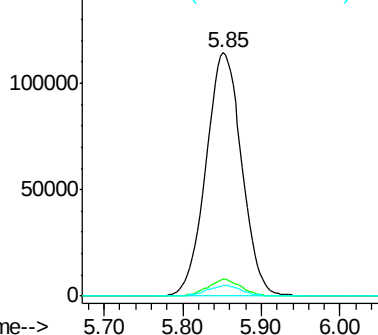
100 4.2 2.1 6.5

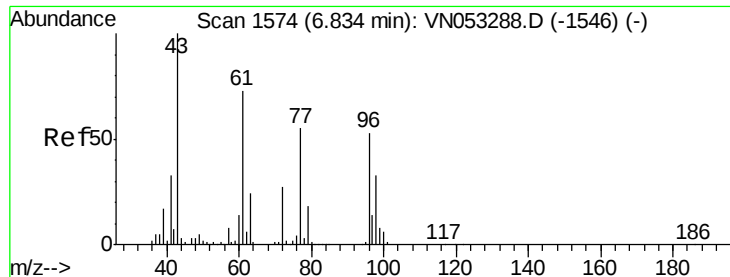


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 93.091 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

Tot Ion: 43 Resp: 409515

Ion Ratio Lower Upper

43 100

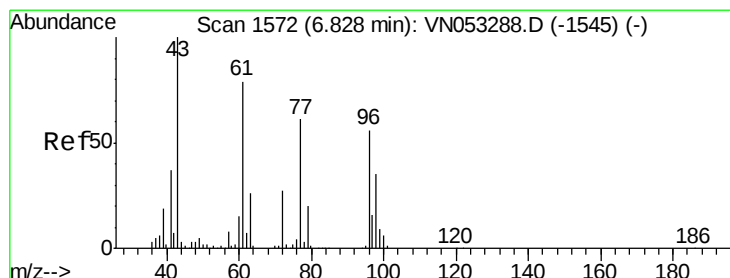
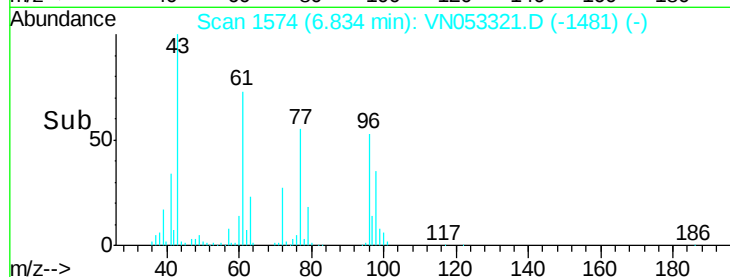
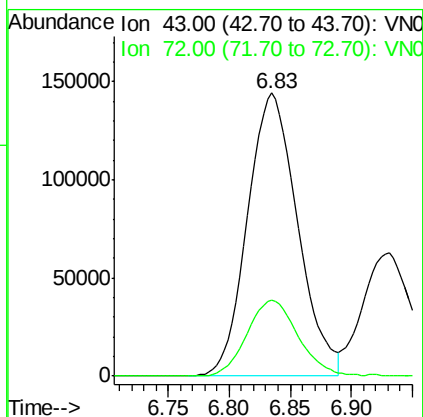
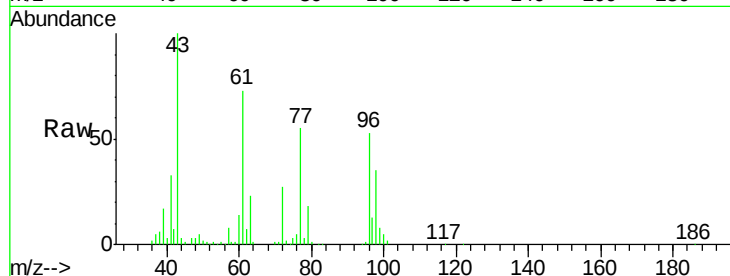
72 26.9 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

1/10/2019 9:25:18 AM



#26

2,2-Dichloropropane

Concen: 18.969 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053321.D

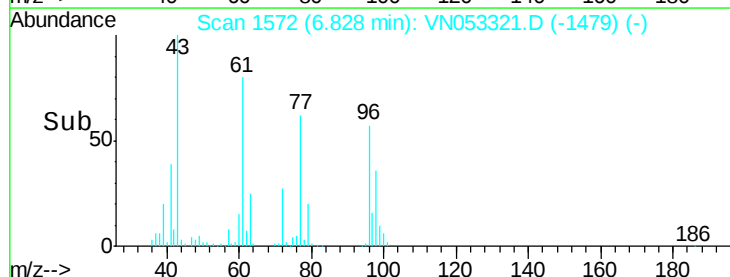
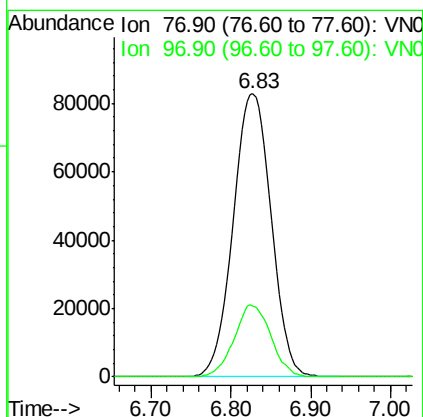
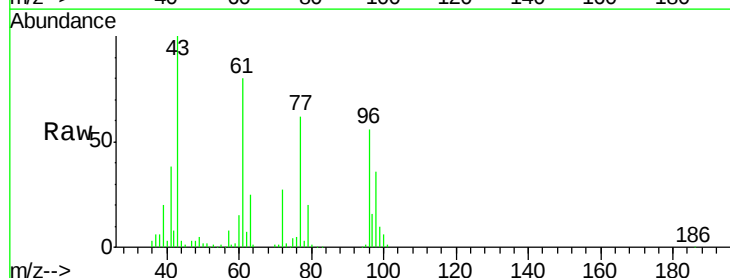
Acq: 9 Jan 2019 10:47

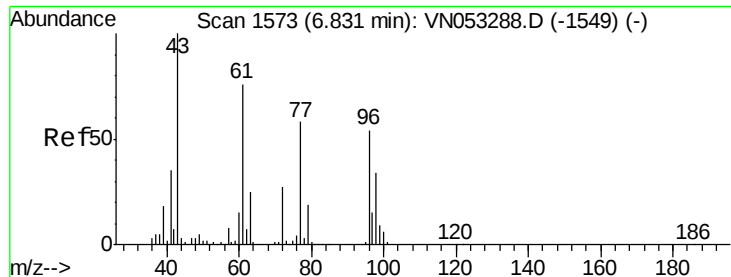
Tgt Ion: 77 Resp: 267043

Ion Ratio Lower Upper

77 100

97 24.6 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 18.948 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

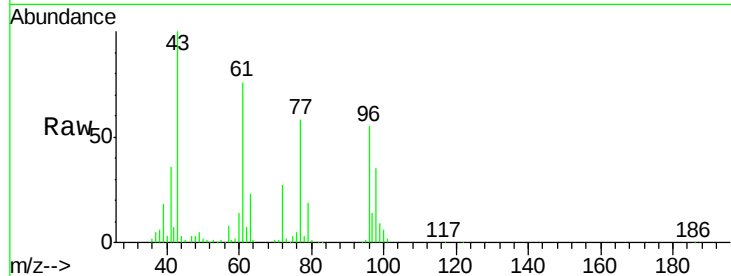
ClientSampleId :

VN0109WBS01

Tot Ion:	96	Resp:	223426
Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	280.6
98	64.9	0.0	127.6

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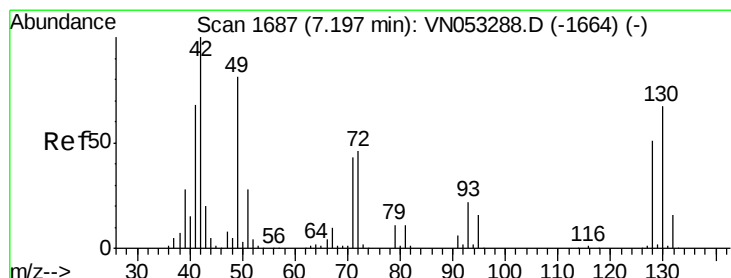
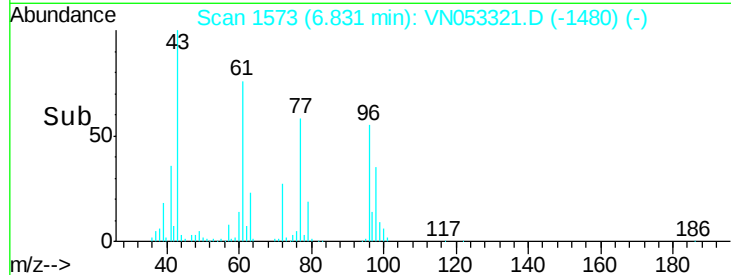
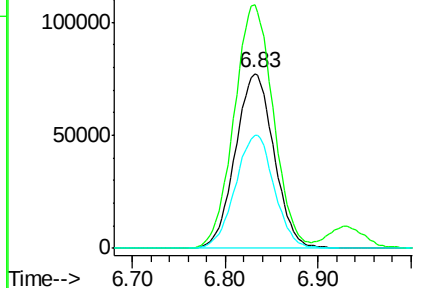
MMDadoda
1/10/2019 9:25:18 AM



Abundance Ion 95.90 (95.60 to 96.60): VN053321.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN053321.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN053321.D (-1480) (-)



#28

Bromochloromethane

Concen: 21.112 ug/l

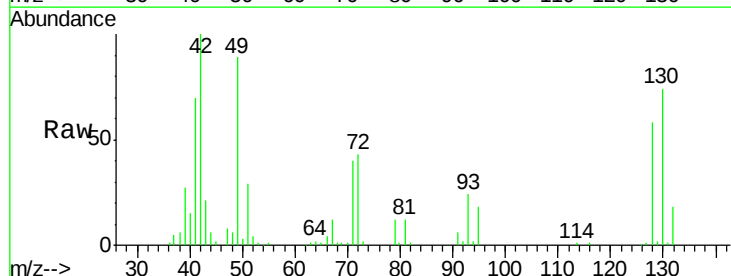
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

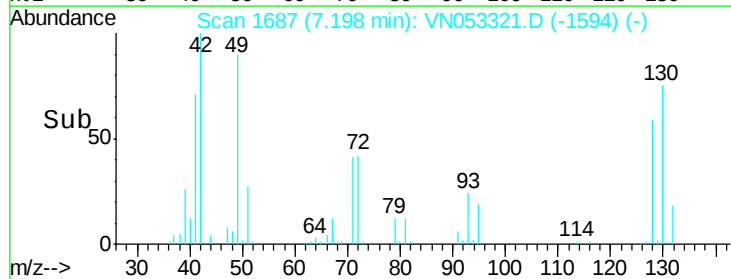
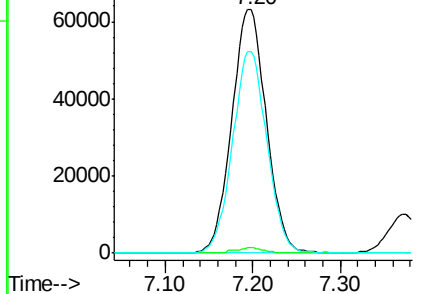
Tgt Ion:	49	Resp:	173255
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	82.4	65.4	98.0

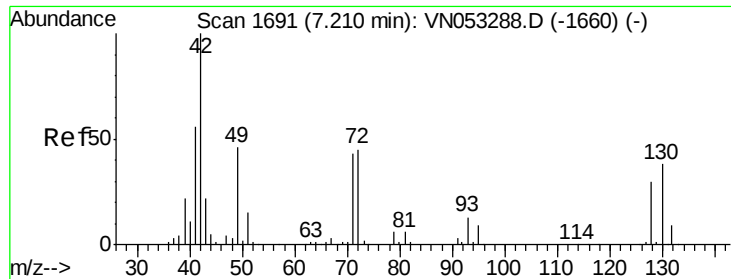


Abundance Ion 48.90 (48.60 to 49.60): VN053321.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN053321.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN053321.D (-1594) (-)





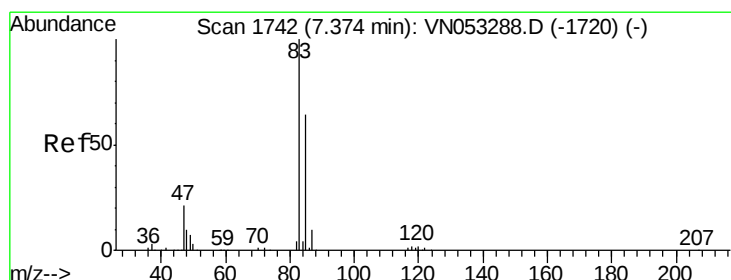
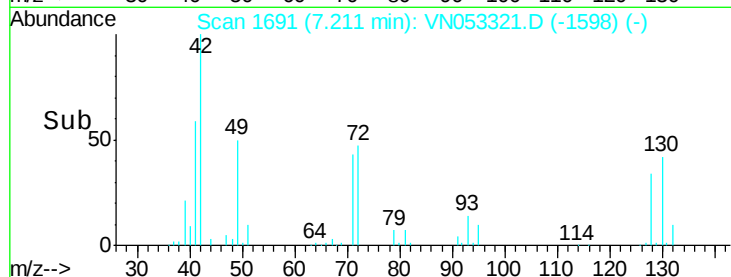
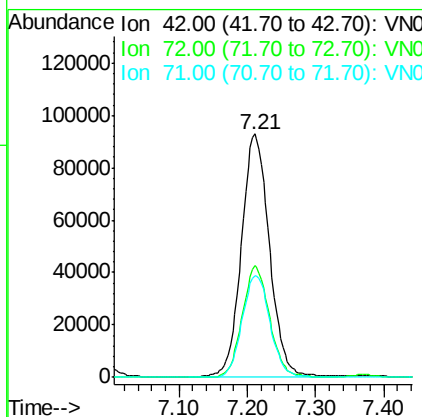
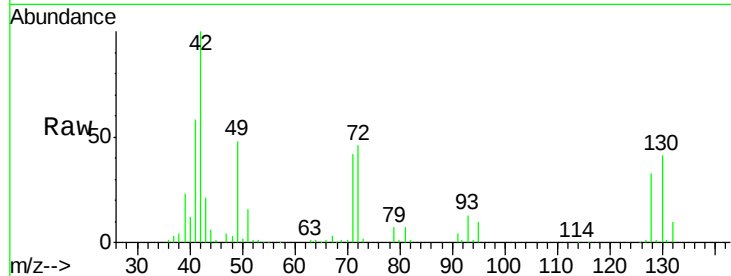
#29
Tetrahydrofuran
Concen: 91.357 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.6	53.4
71	41.6	33.8	50.8

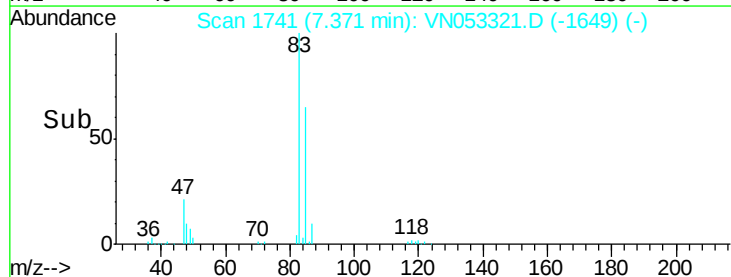
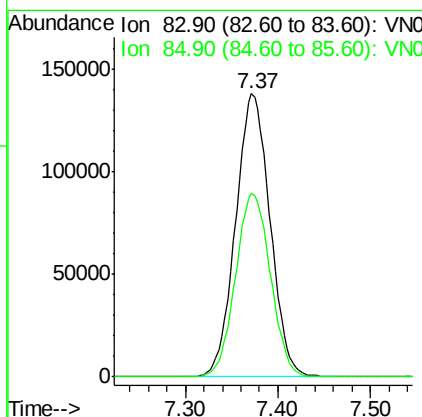
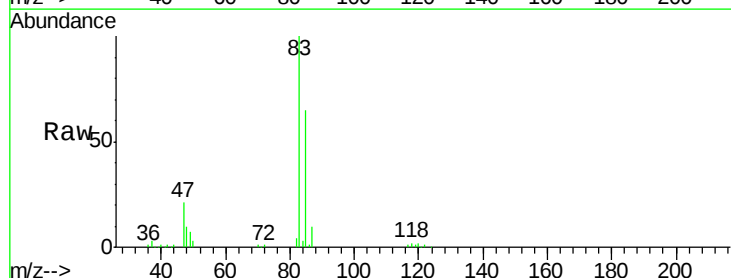
Manual Integrations
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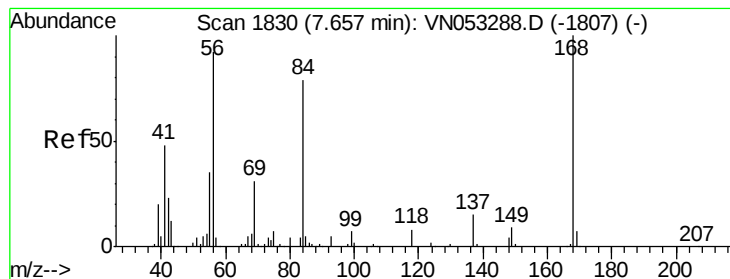
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#30
Chloroform
Concen: 18.789 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.3	76.9





#31

Cyclohexane

Concen: 18.950 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

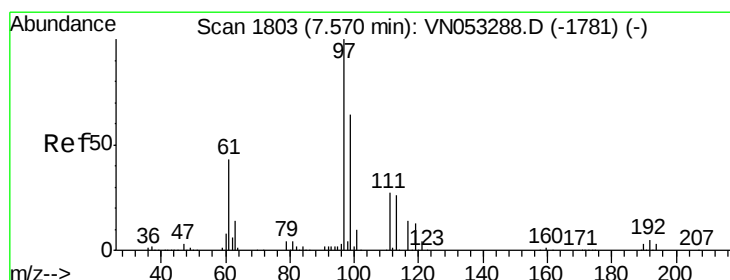
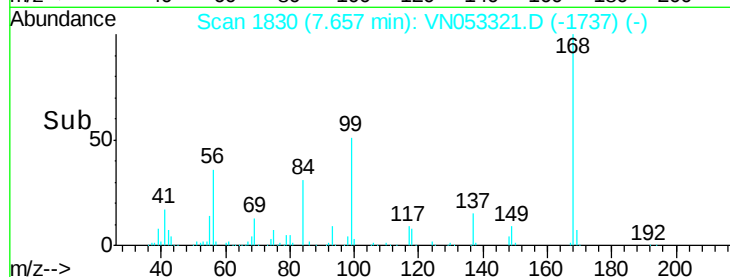
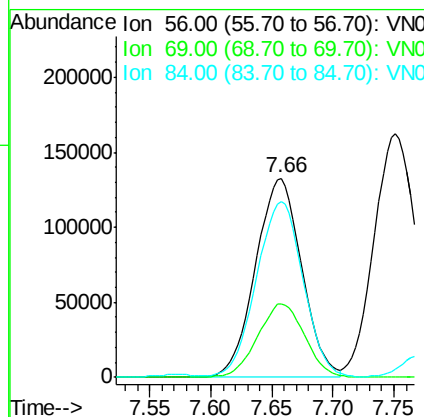
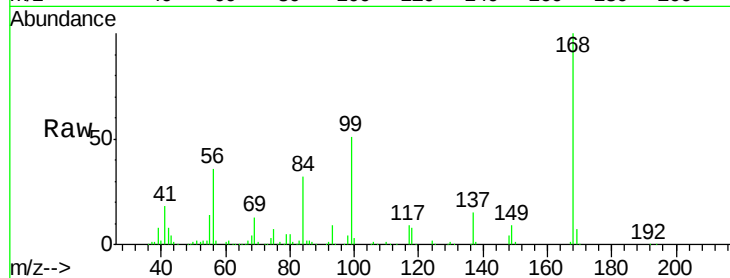
ClientSampled :

VN0109WBS01

Tot Ion:	56	Resp:	348999
Ion	Ratio	Lower	Upper
56	100		
69	37.2	26.7	40.1
84	87.4	68.2	102.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.918 ug/l

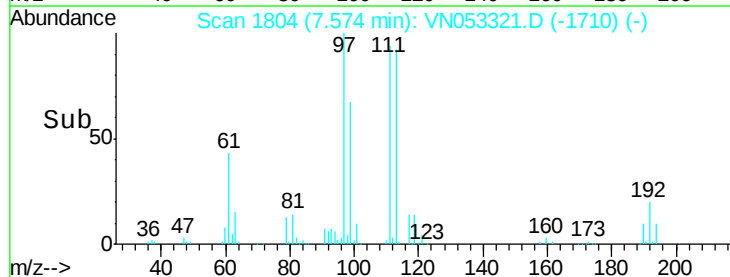
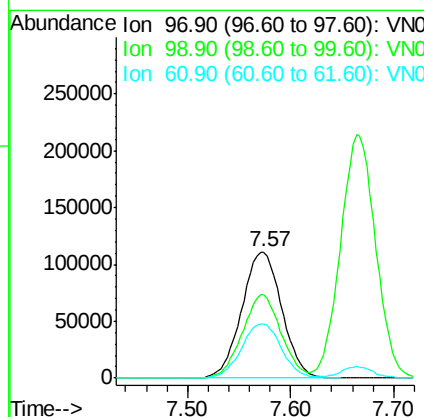
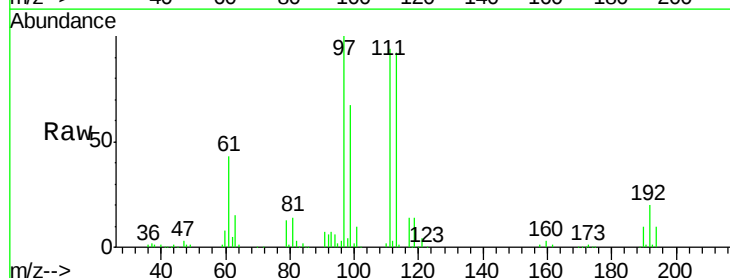
RT: 7.57 min Scan# 1804

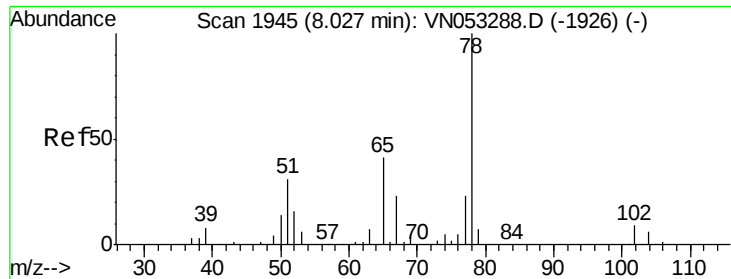
Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Tgt Ion:	97	Resp:	298811
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	43.0	34.6	52.0





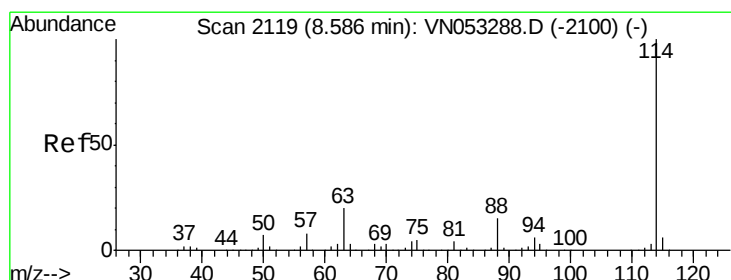
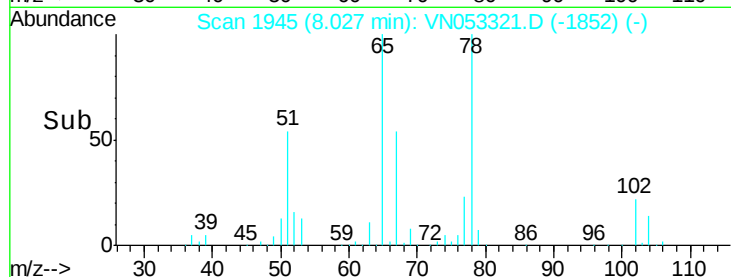
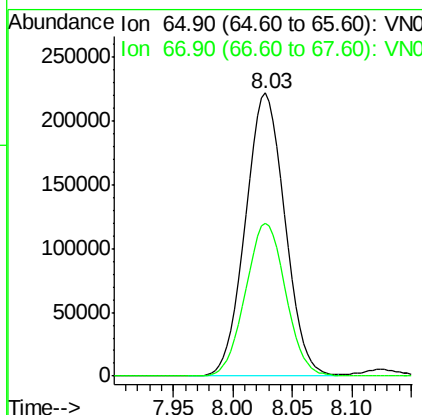
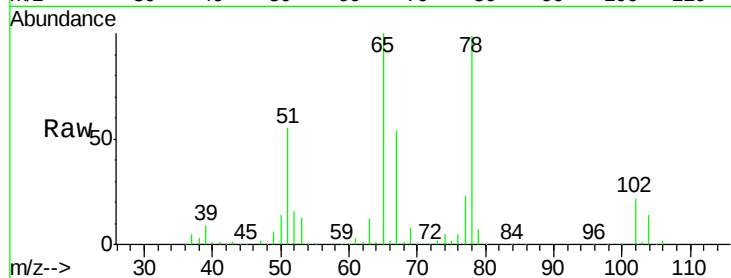
#33
 1,2-Dichloroethane-d4
 Concen: 18.918 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	511132		
67	55.0	0.0	111.0	

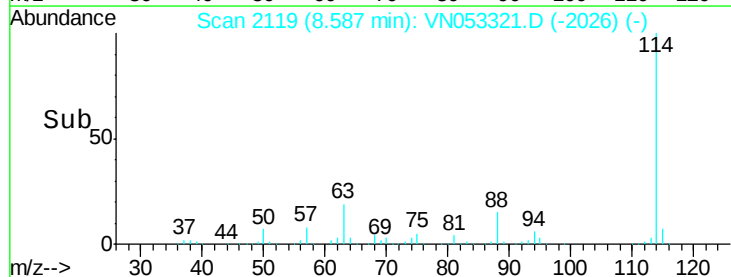
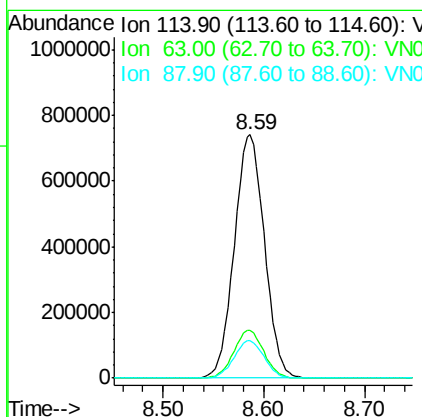
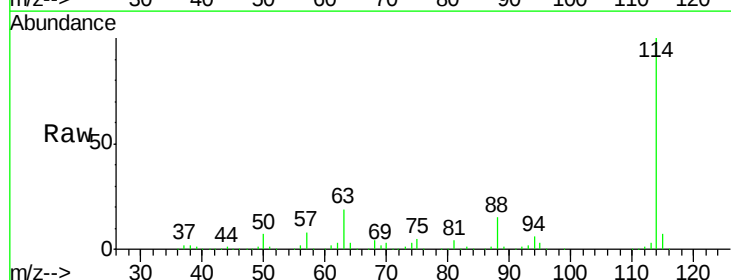
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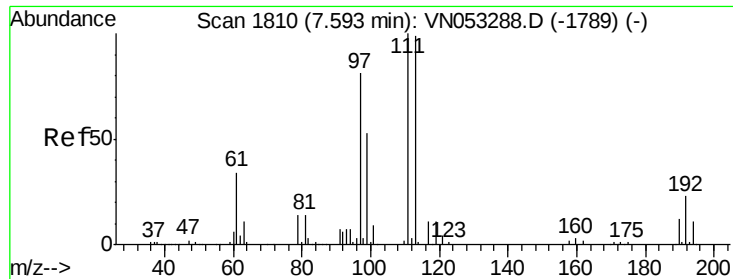
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 1/10/2019 9:25:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1536552		
63	19.4	0.0	39.0	
88	15.5	0.0	30.8	





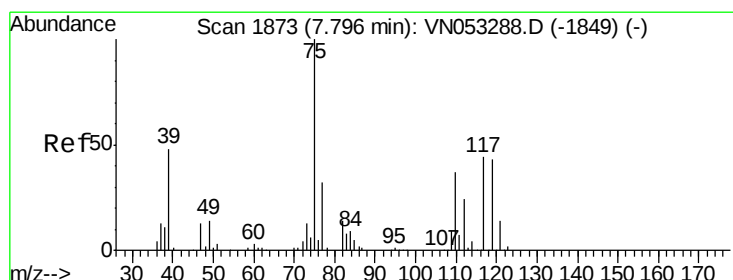
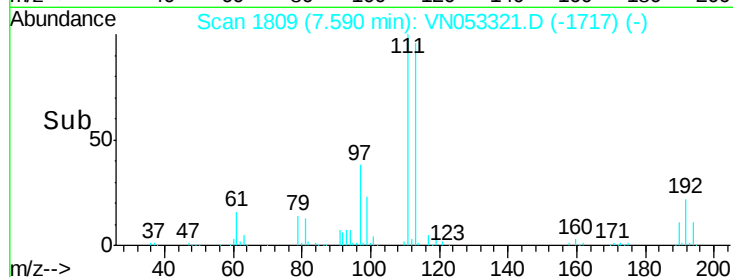
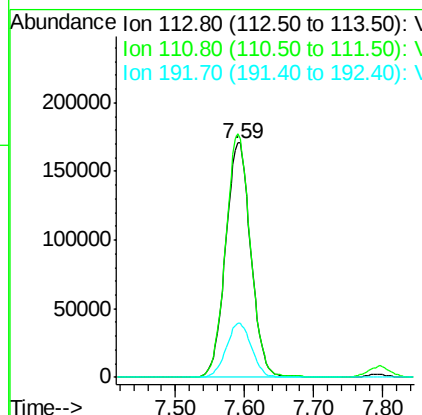
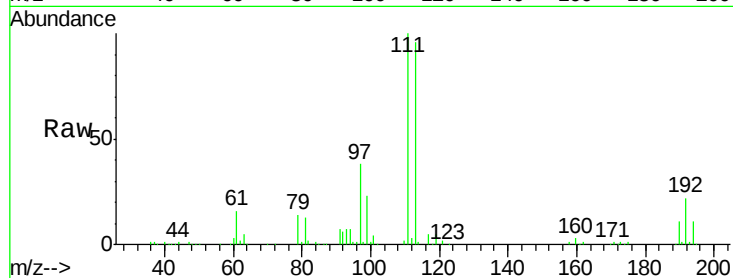
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.9	81.4	122.2	
192	23.0	17.9	26.9	

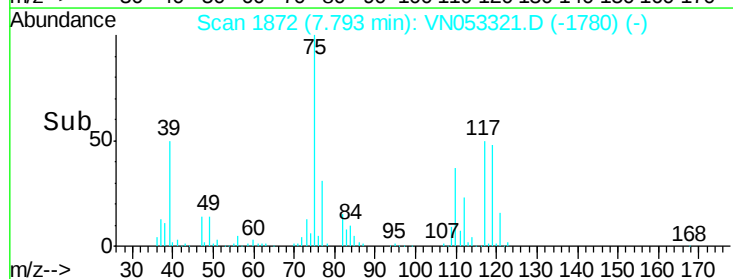
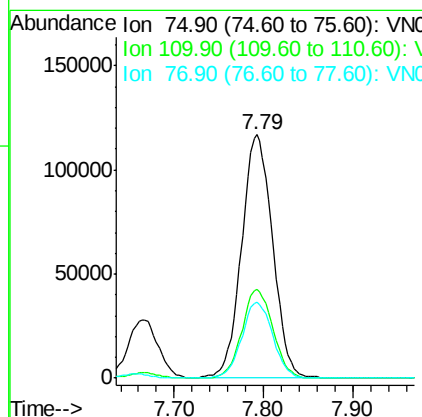
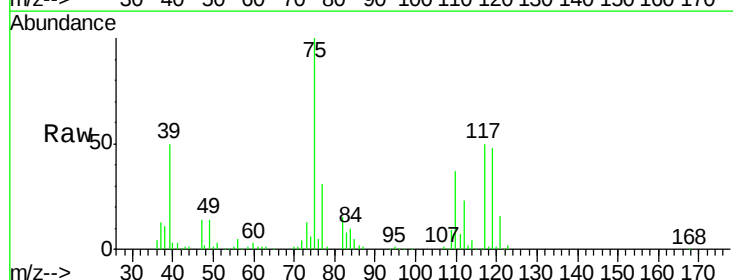
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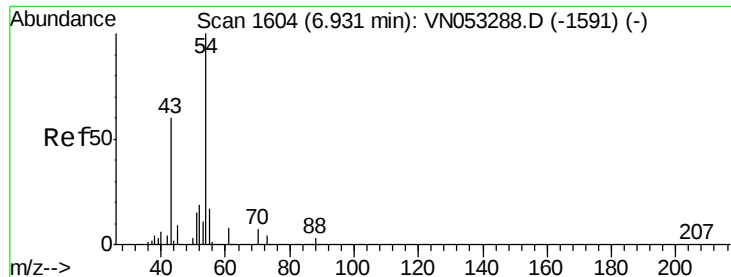
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.642 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.5	18.4	55.0	
77	31.4	25.3	37.9	





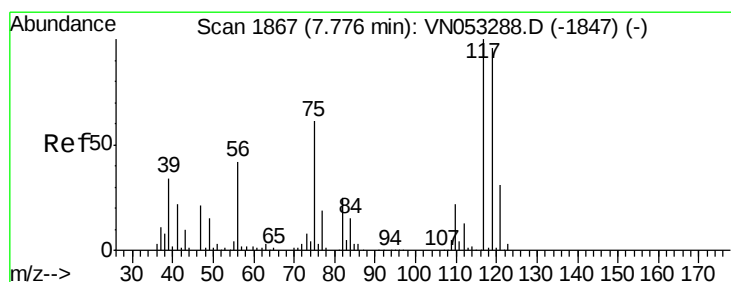
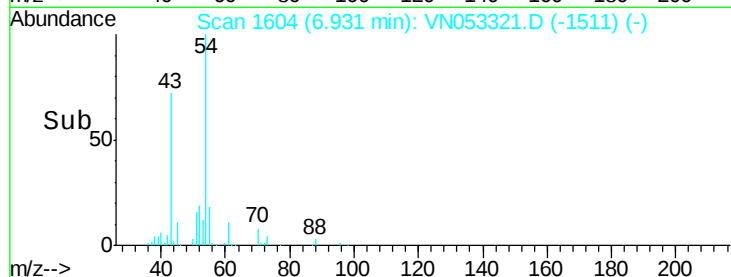
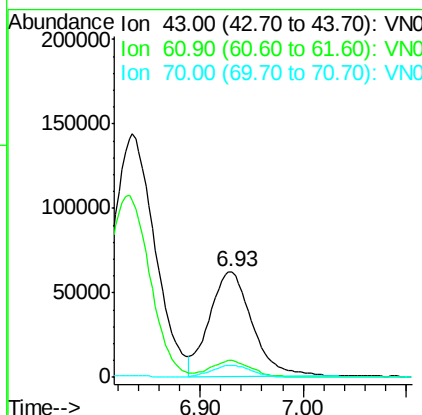
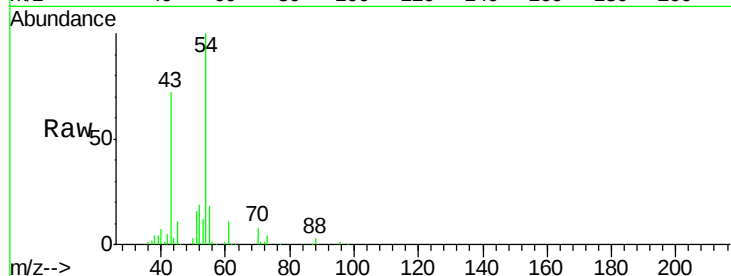
#37
Ethyl Acetate
Concen: 19.081 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.9	17.9
70	11.2	8.6	13.0

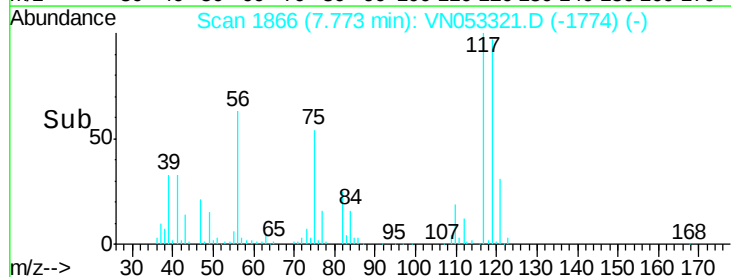
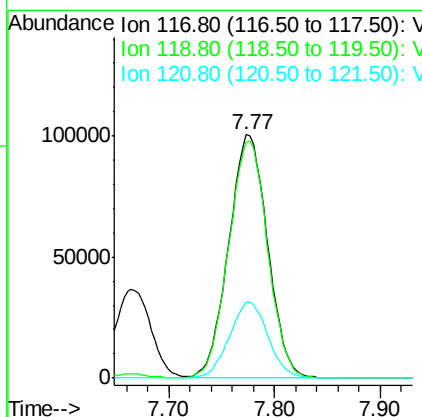
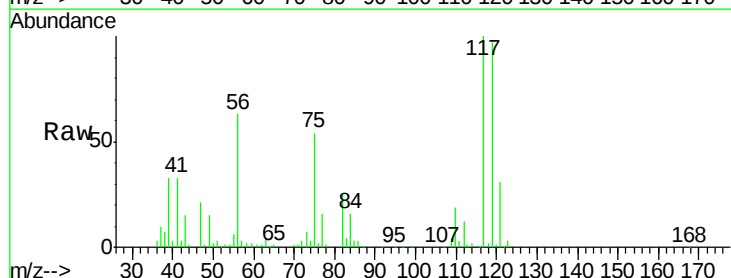
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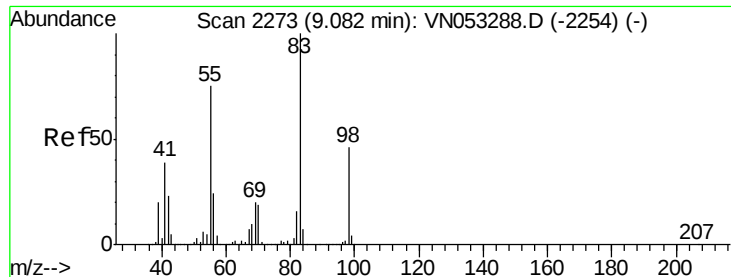
MMDadoda
1/10/2019 9:25:18 AM



#38
Carbon Tetrachloride
Concen: 19.459 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.6	115.0
121	31.2	25.0	37.4





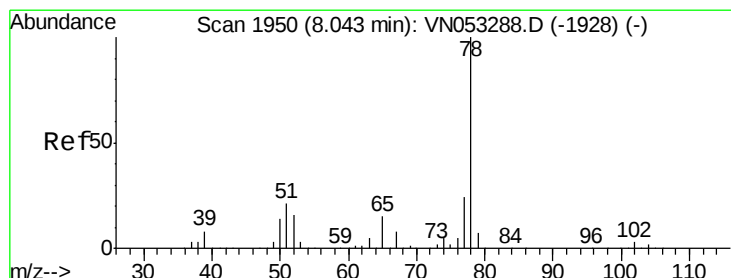
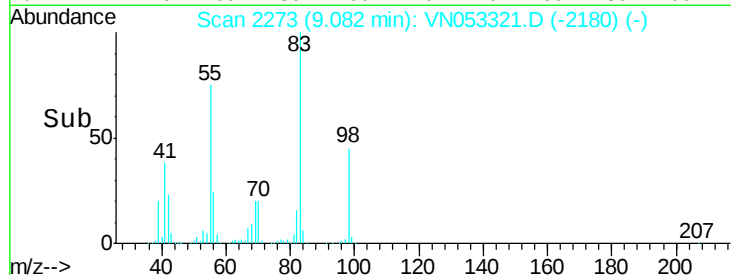
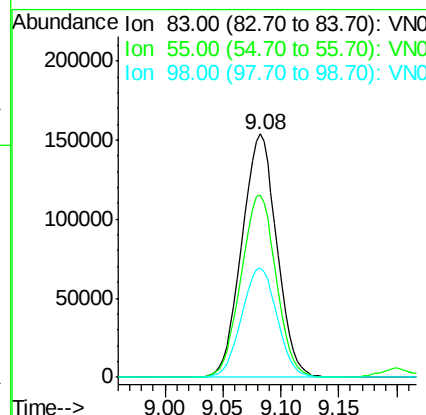
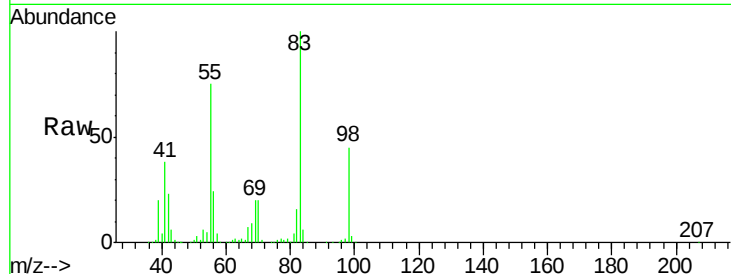
#39
Methvlcvclohexane
Concen: 19.412 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.9	60.1	90.1	
98	44.8	36.7	55.1	

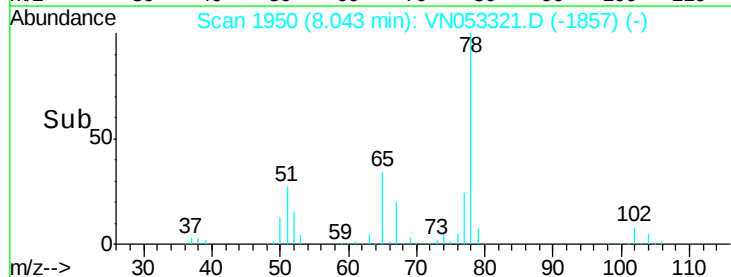
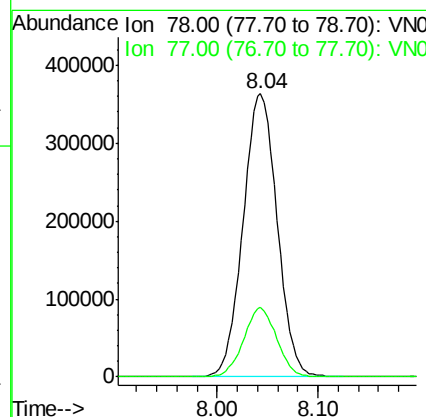
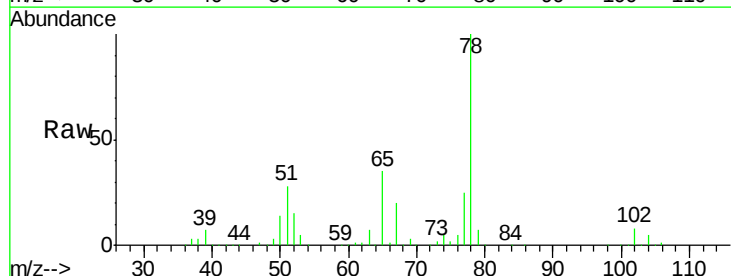
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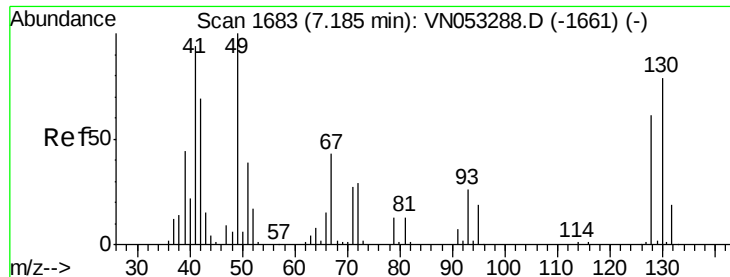
MMDadoda
1/10/2019 9:25:18 AM



#40
Benzene
Concen: 19.368 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.5	19.0	28.4	





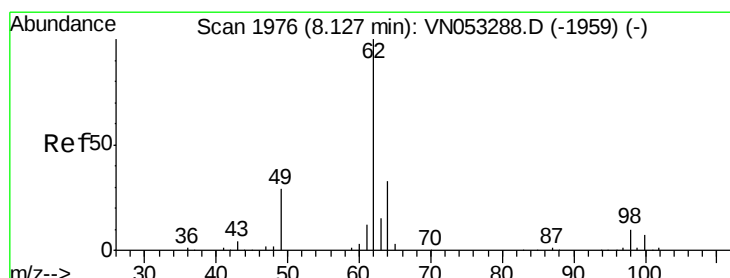
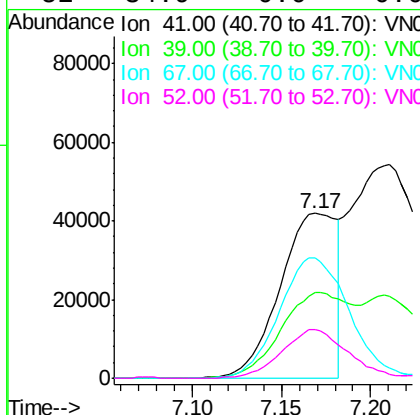
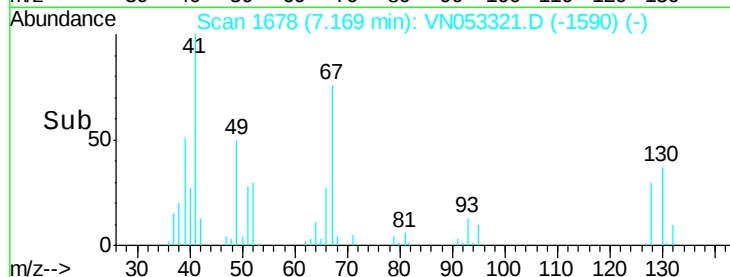
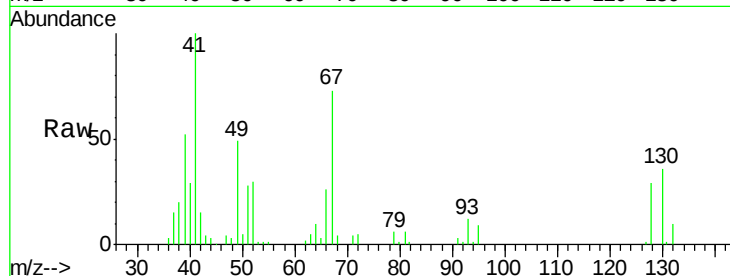
#41
Methacrylonitrile
Concen: 15.986 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.02 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		92731		
39	66.8	0.0	0.0#		
67	90.7	0.0	0.0#		
52	34.9	0.0	0.0#		

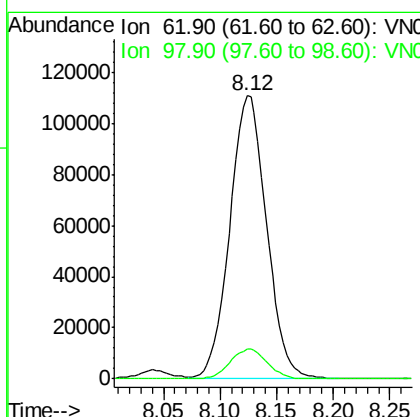
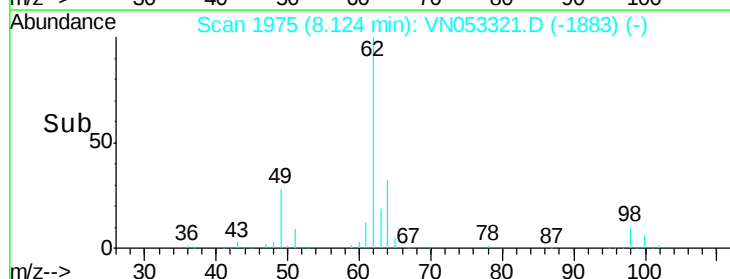
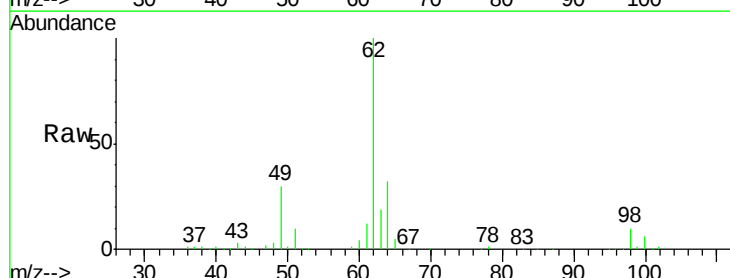
Manual Integrations
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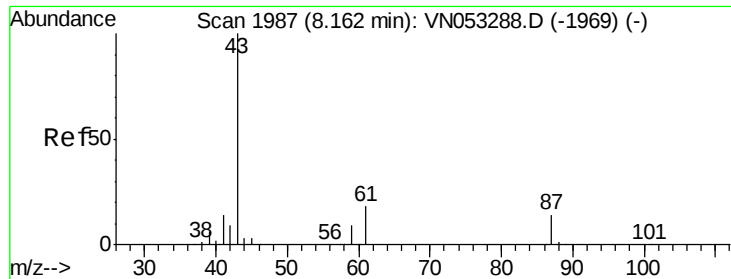
MMDadoda
1/10/2019 9:25:18 AM



#42
1,2-Dichloroethane
Concen: 19.187 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		249378		
98	10.6	0.0	20.2		





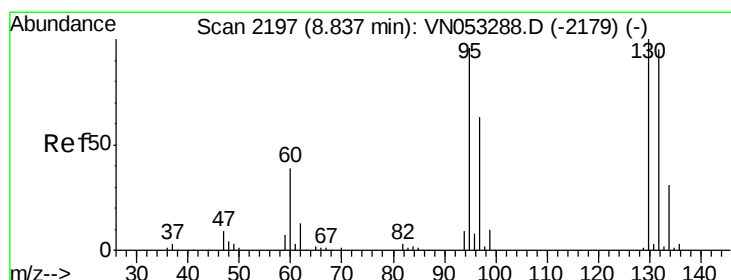
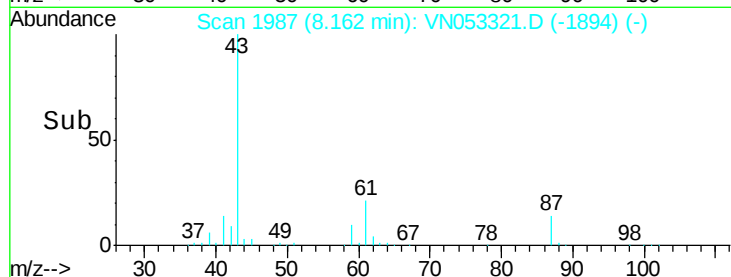
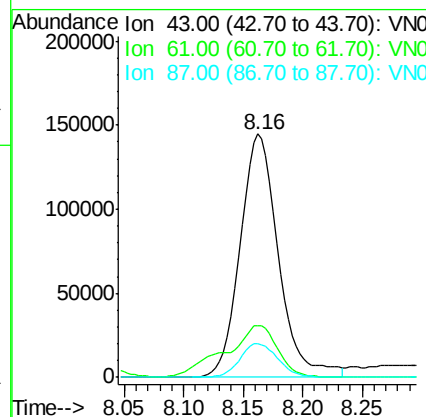
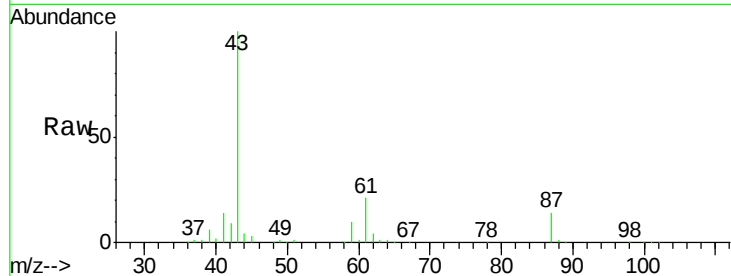
#43
Isopropyl Acetate
Concen: 17.489 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.3	34.9
87	13.9	10.8	16.2

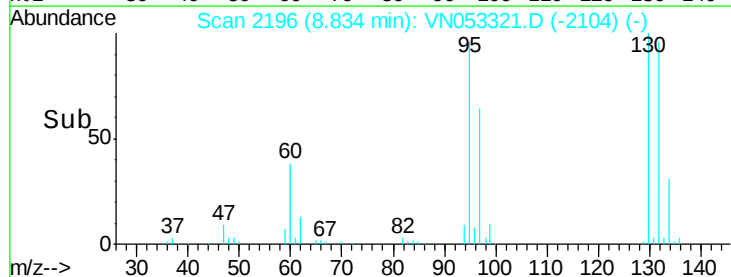
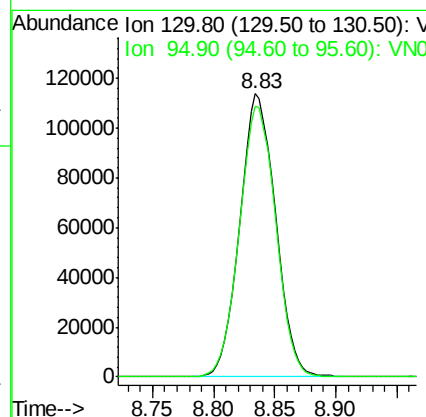
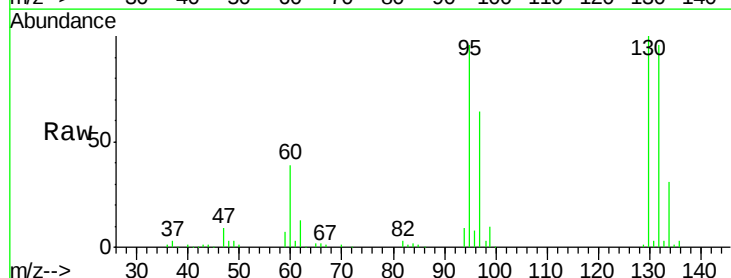
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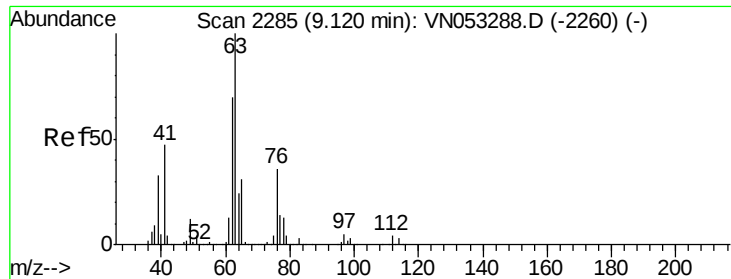
MMDadoda
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#44
Trichloroethene
Concen: 19.189 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	191.8





#45

1,2-Dichloropropane

Concen: 19.482 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

Tot Ion: 63 Resp: 223893

Ion Ratio Lower Upper

63 100

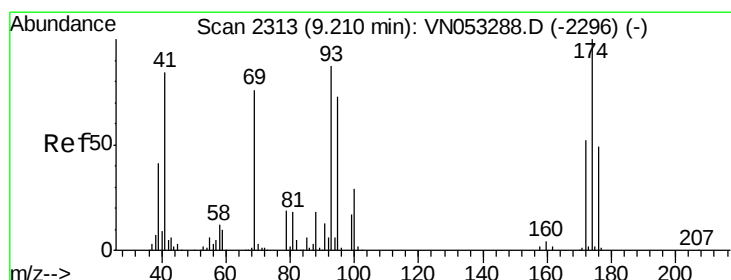
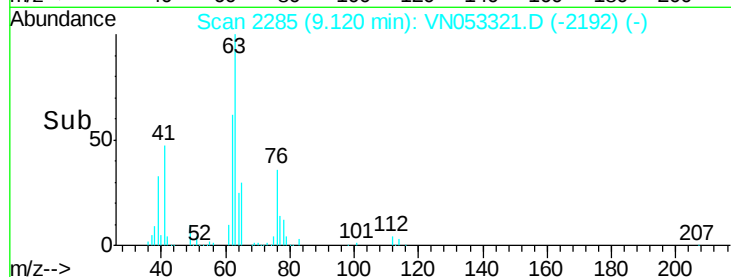
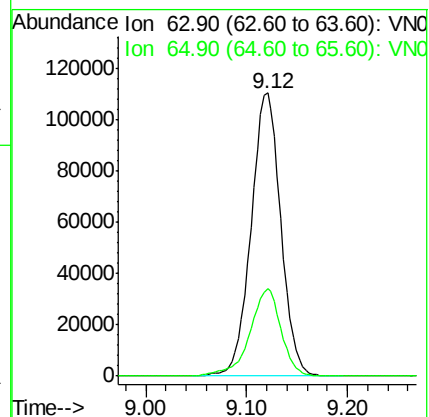
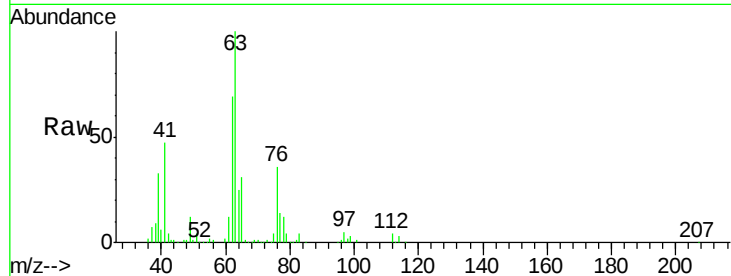
65 31.0 25.0 37.6

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#46

Dibromomethane

Concen: 19.223 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

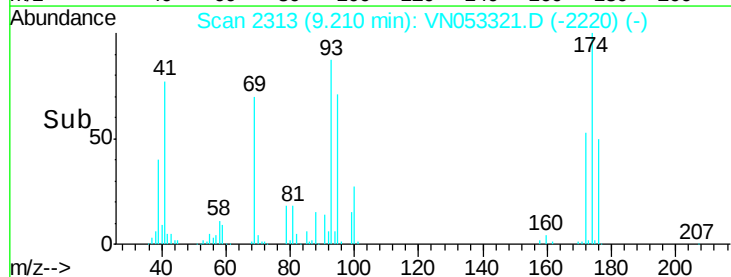
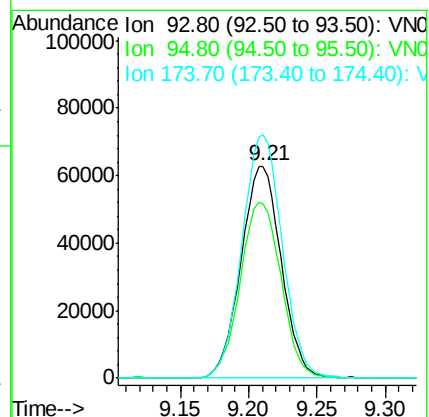
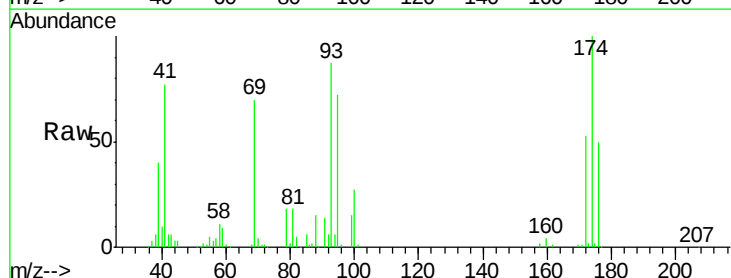
Tgt Ion: 93 Resp: 128811

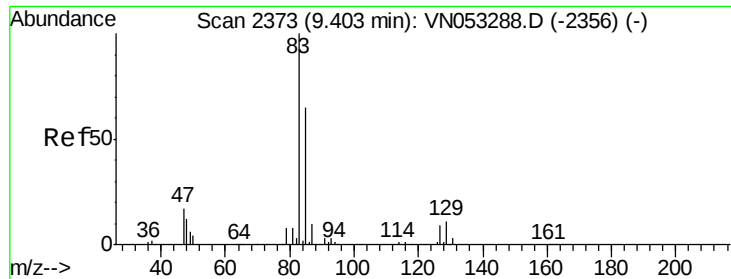
Ion Ratio Lower Upper

93 100

95 84.5 66.6 100.0

174 115.1 91.4 137.0





#47

Bromodichloromethane

Concen: 19.462 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

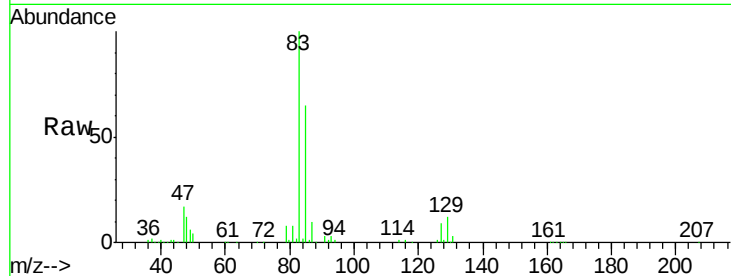
ClientSampleId :

VN0109WBS01

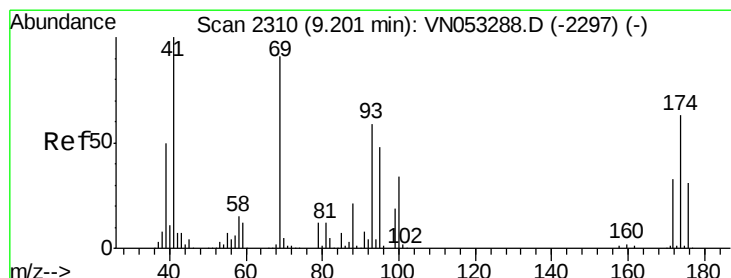
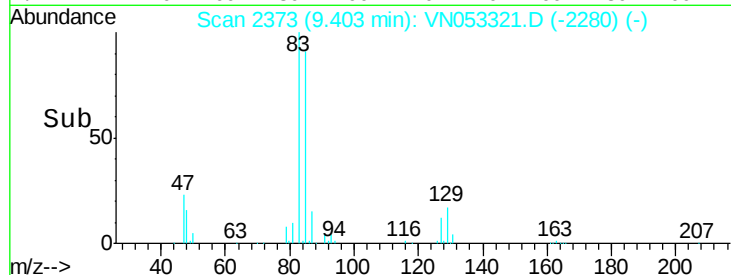
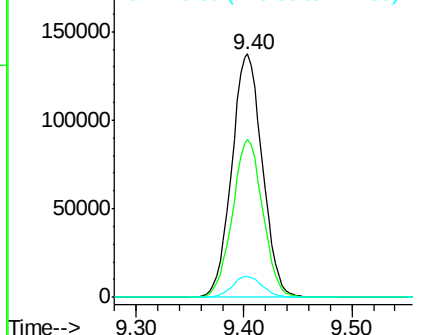
Tot Ion:	83	Resp:	271774
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.7	77.5
127	8.7	7.0	10.6

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Abundance Ion 82.90 (82.60 to 83.60): VN053321.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.663 ug/l

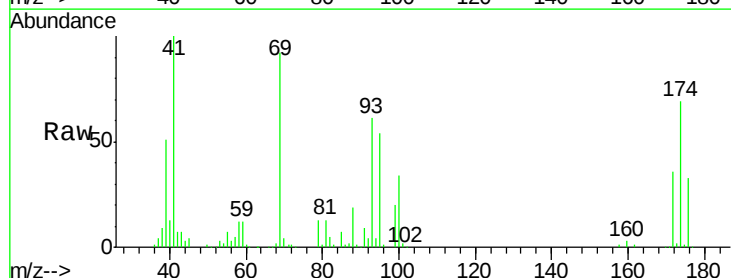
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

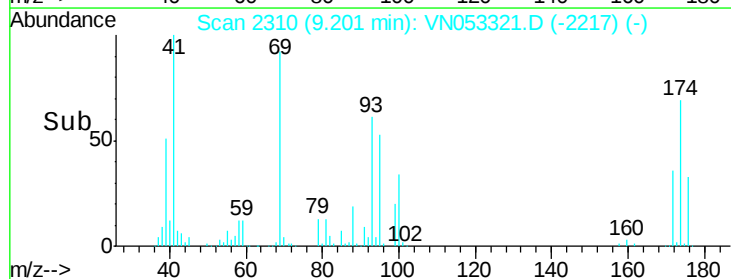
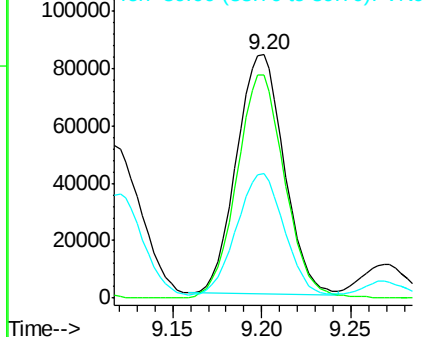
Lab File: VN053321.D

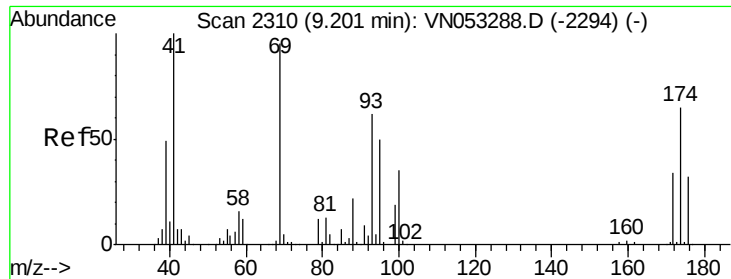
Acq: 9 Jan 2019 10:47

Tgt Ion:	41	Resp:	155848
Ion	Ratio	Lower	Upper
41	100		
69	93.7	73.5	110.3
39	53.4	41.6	62.4



Abundance Ion 41.00 (40.70 to 41.70): VN053321.D (-2217) (-)





#49

1,4-Dioxane

Concen: 364.914 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053321.D

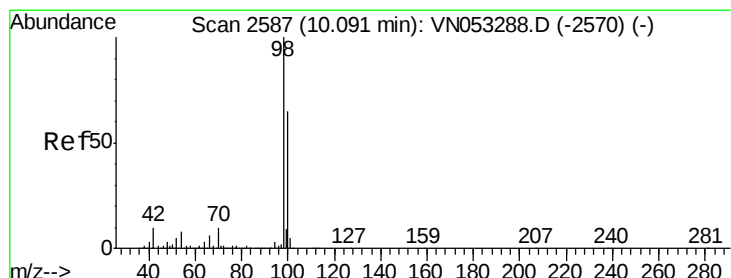
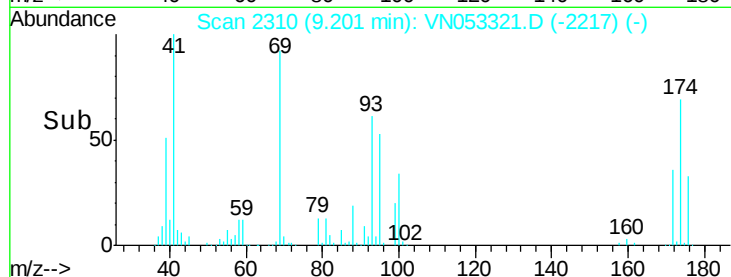
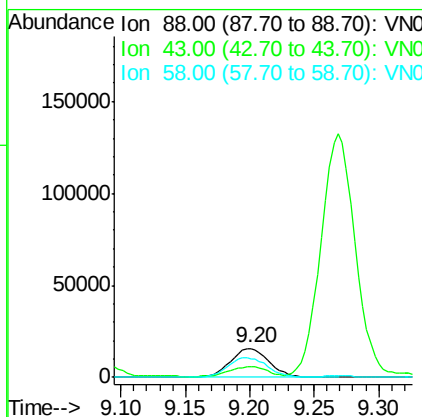
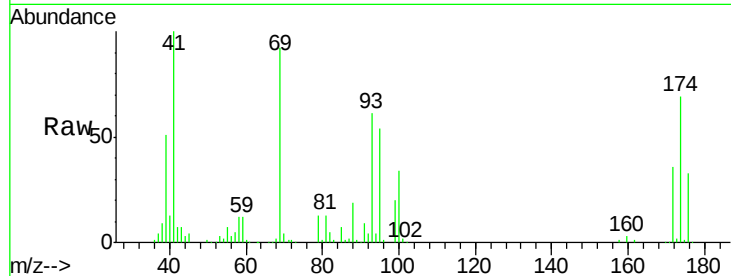
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Tot Ion:	88	Resp:	32467
Ion	Ratio	Lower	Upper
88	100		
43	33.6	26.2	39.4
58	69.5	55.5	83.3

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#50

Toluene-d8

Concen: 364.914 ug/l

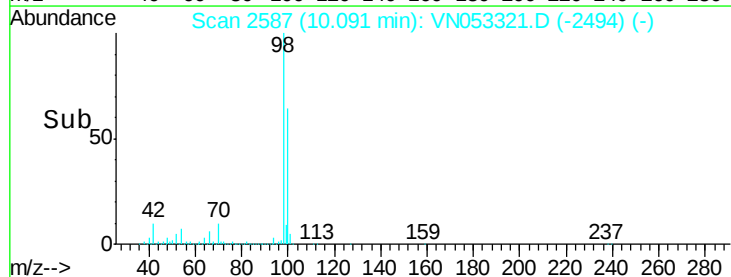
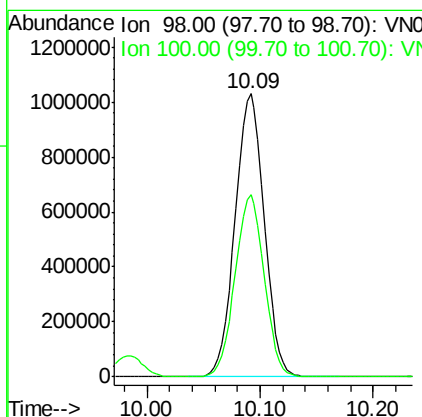
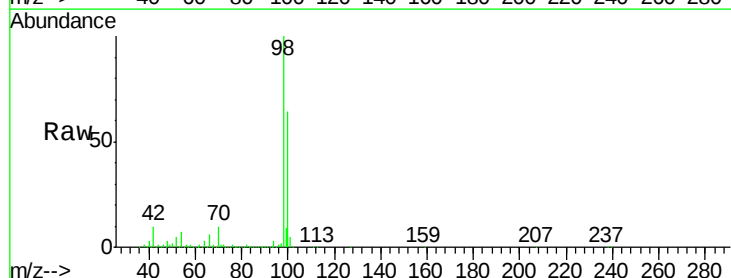
RT: 10.09 min Scan# 2587

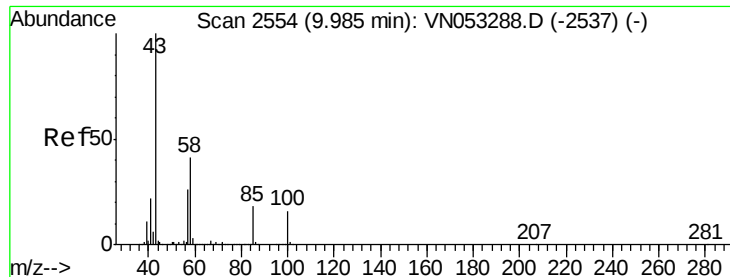
Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Tgt Ion:	98	Resp:	1853722
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 96.151 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

Tot Ion: 43 Resp: 888771

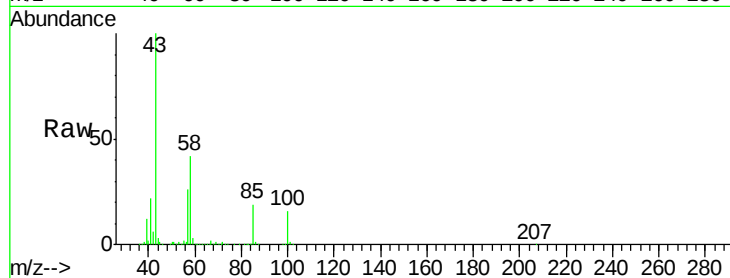
Ion Ratio Lower Upper

43 100

58 41.1 32.7 49.1

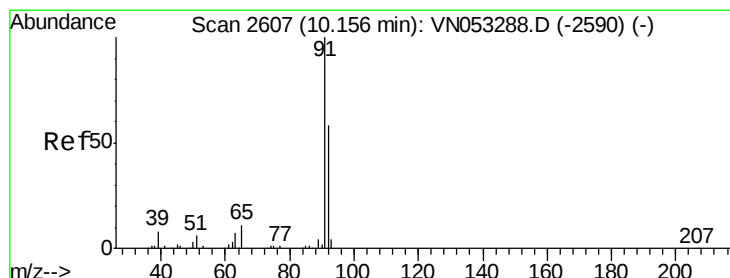
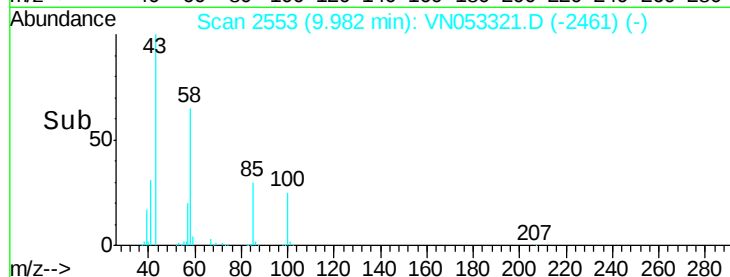
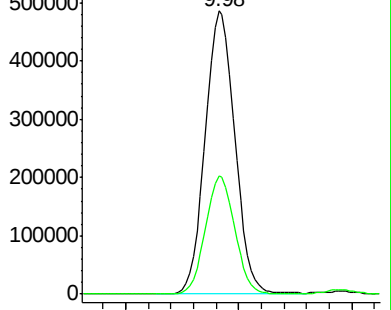
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Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN053288.D (-2537) (-)



#52

Toluene

Concen: 19.546 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053321.D

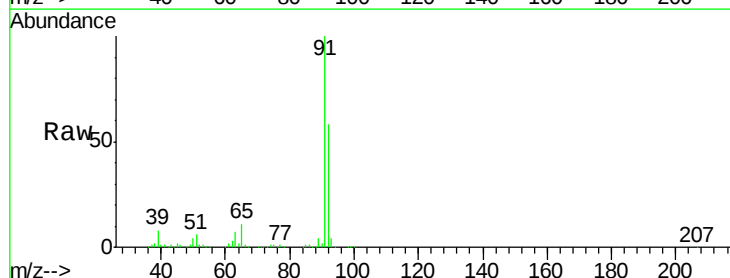
Acq: 9 Jan 2019 10:47

Tgt Ion: 92 Resp: 525423

Ion Ratio Lower Upper

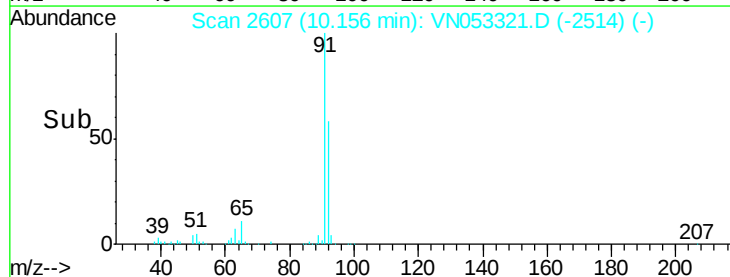
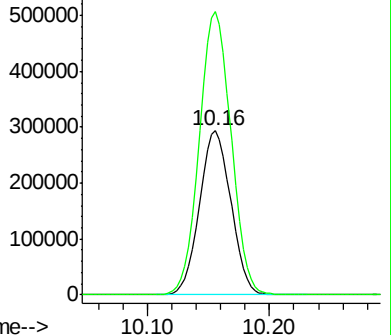
92 100

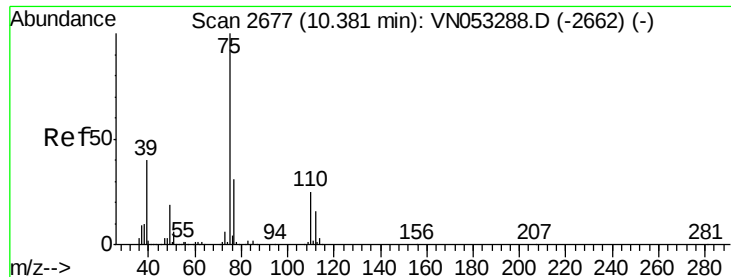
91 174.4 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN053288.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN053288.D (-2590) (-)





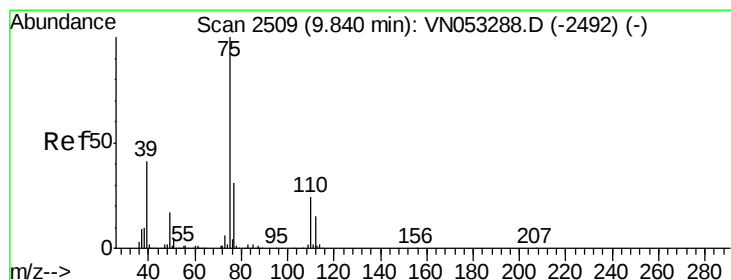
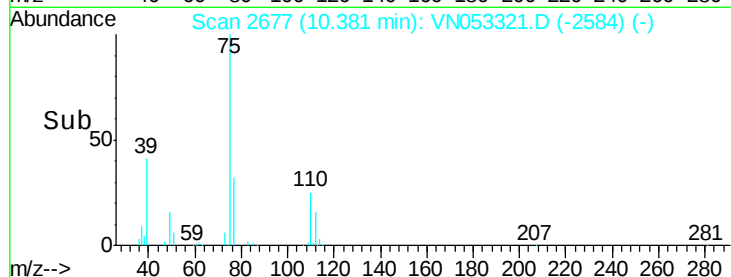
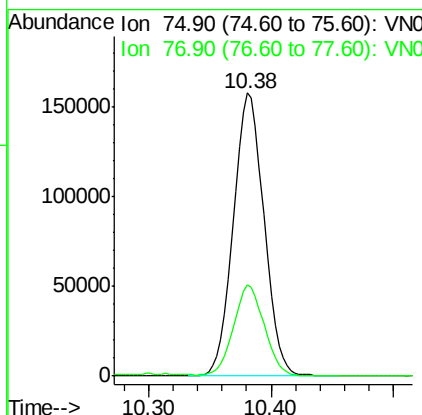
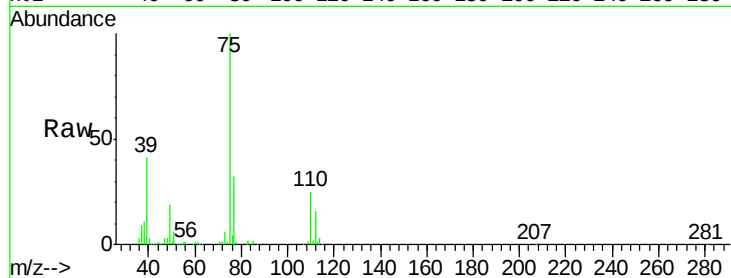
#53
t-1,3-Dichloropropene
Concen: 19.309 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.4

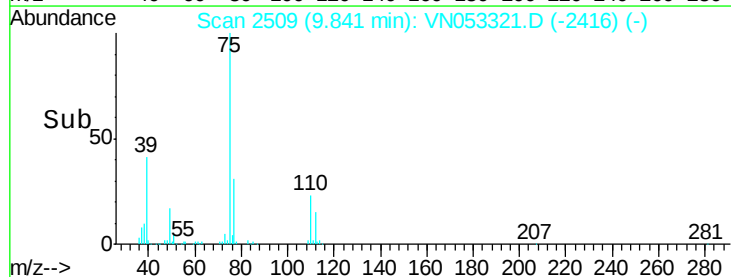
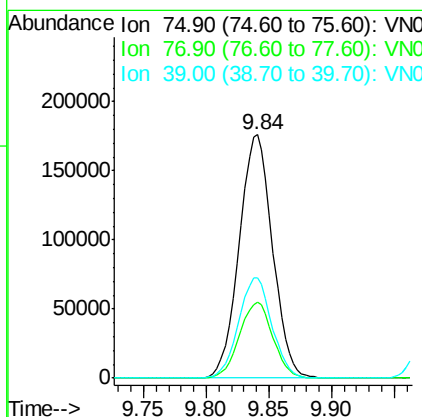
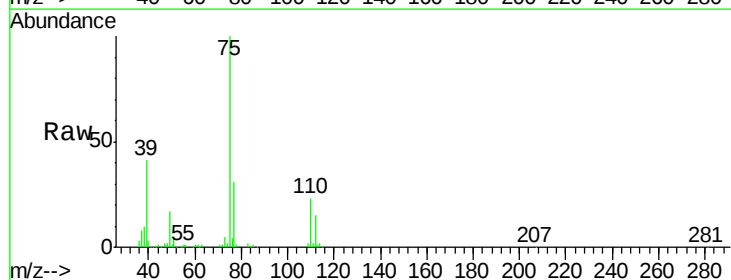
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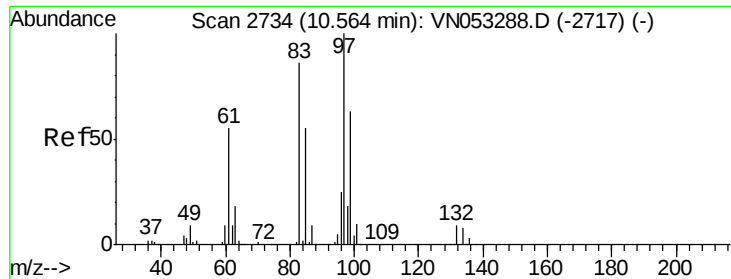
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#54
cis-1,3-Dichloropropene
Concen: 19.724 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	41.3	33.1	49.7





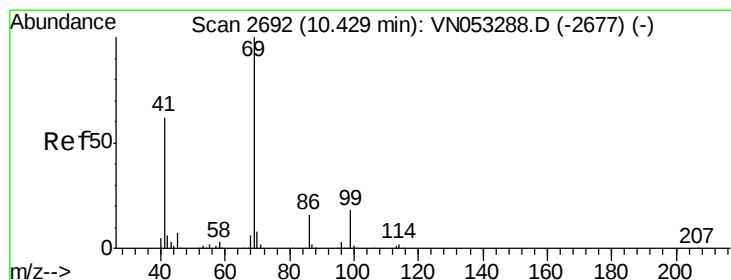
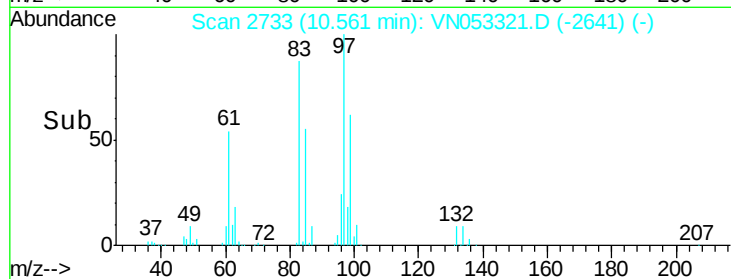
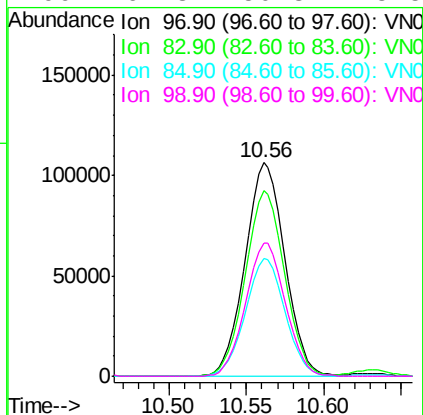
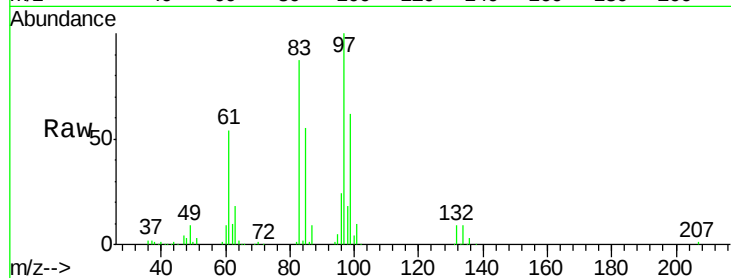
#55
 1,1,2-Trichloroethane
 Concen: 19.298 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

Tot Ion:	97	Resp:	190751
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.1	103.7
85	55.3	44.2	66.4
99	62.3	50.3	75.5

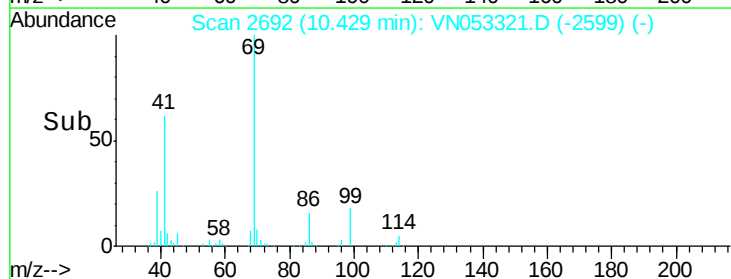
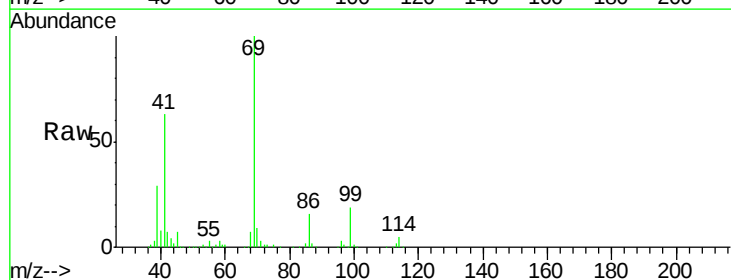
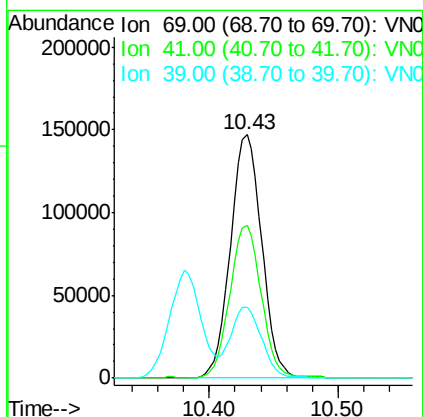
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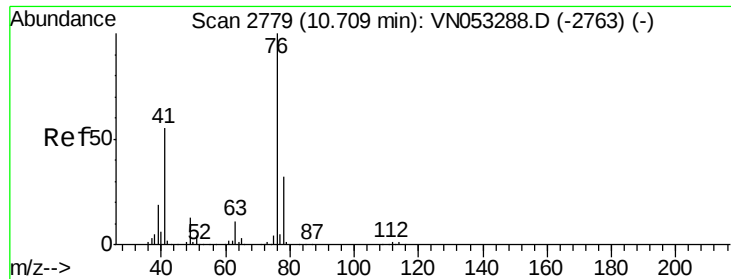
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#56
 Ethyl methacrylate
 Concen: 19.340 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Tgt Ion:	69	Resp:	248422
Ion	Ratio	Lower	Upper
69	100		
41	62.3	49.2	73.8
39	28.9	23.4	35.0





#57

1,3-Dichloropropane

Concen: 19.357 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

Tot Ion: 76 Resp: 319964

Ion Ratio Lower Upper

76 100

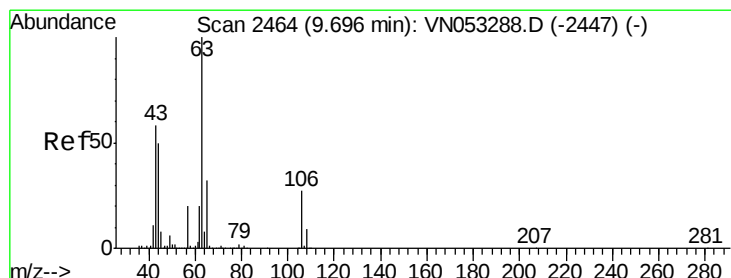
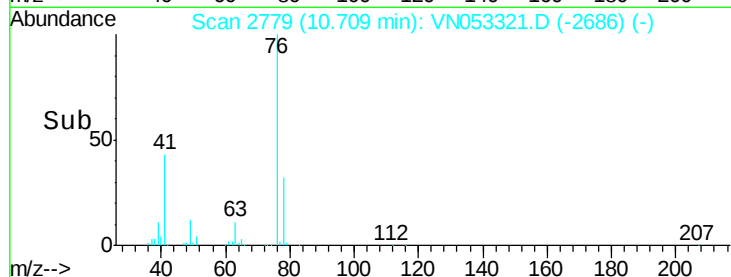
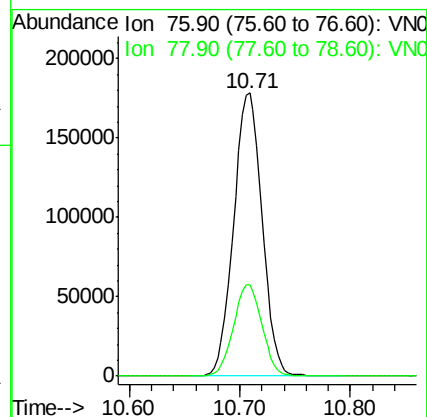
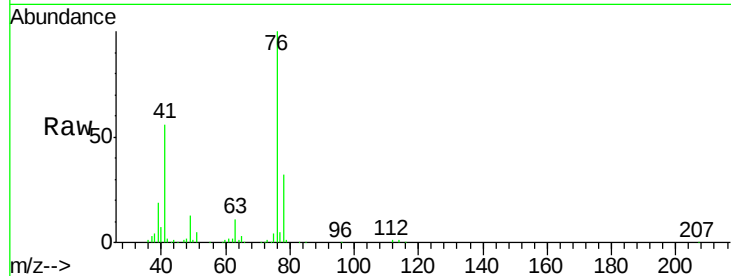
78 32.3 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 95.536 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053321.D

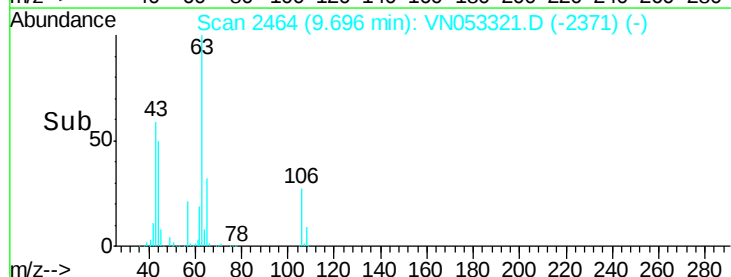
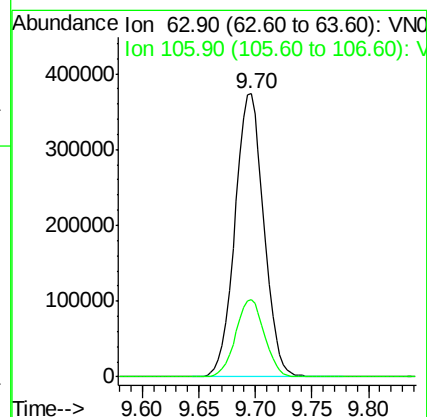
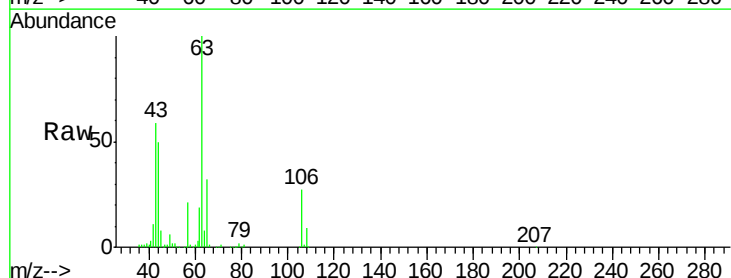
Acq: 9 Jan 2019 10:47

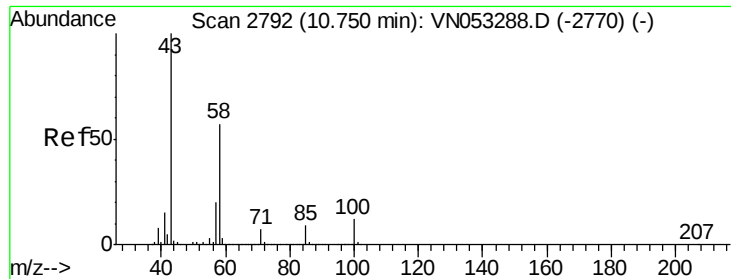
Tgt Ion: 63 Resp: 663425

Ion Ratio Lower Upper

63 100

106 27.3 21.7 32.5





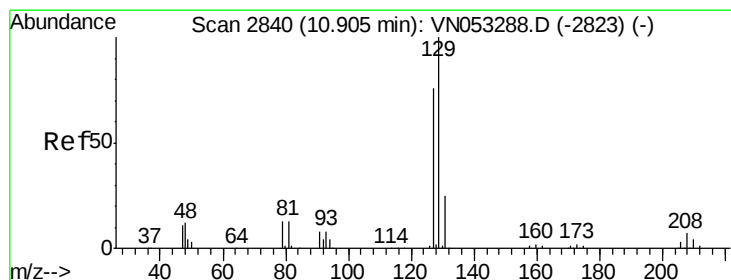
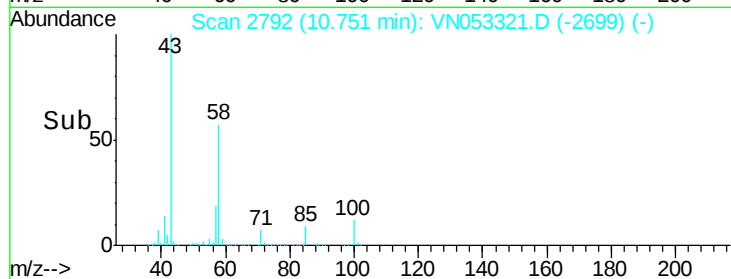
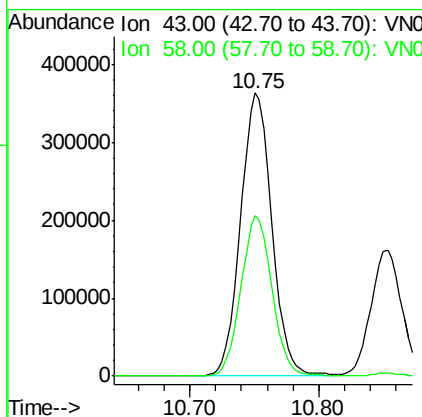
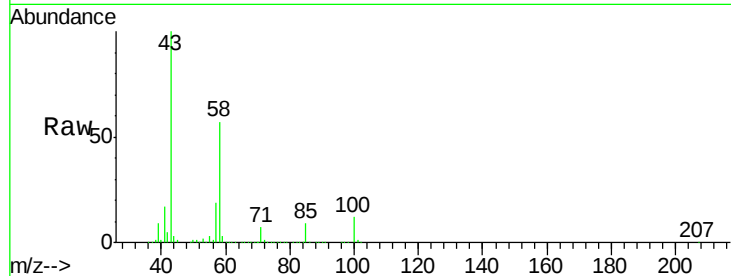
#59
2-Hexanone
Concen: 96.737 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Tot Ion	43	Resp	612667
Ion Ratio	43	100	
Lower	58	56.5	28.3
Upper			85.0

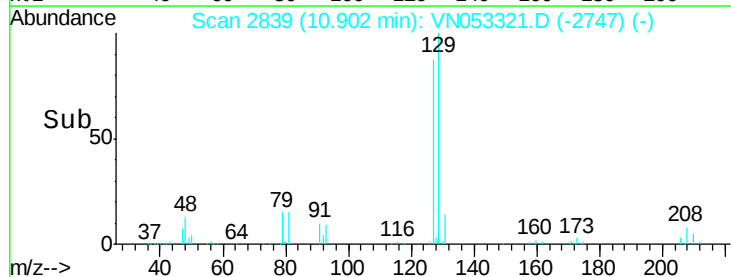
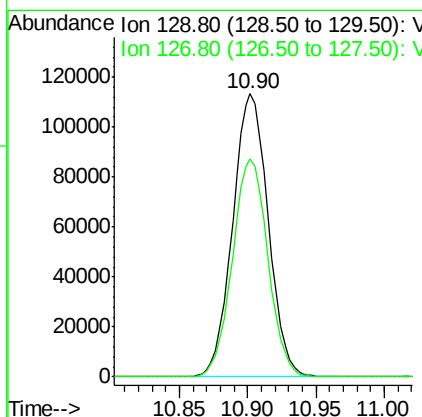
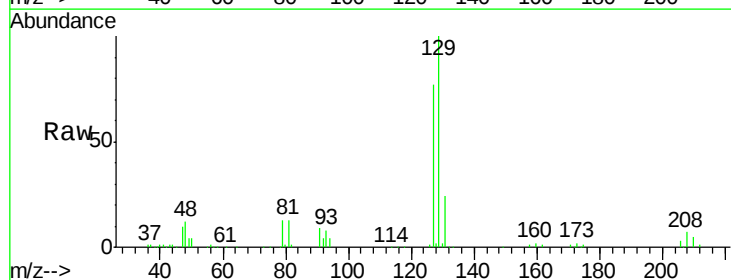
Manual Integrations
APPROVED

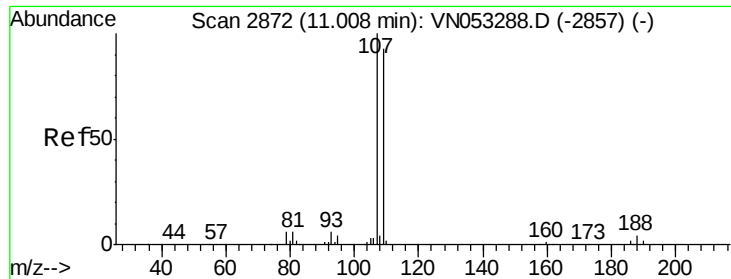
MMDadoda
1/10/2019 9:25:18 AM



#60
Dibromochloromethane
Concen: 19.216 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion	129	Resp	204859
Ion Ratio	129	100	
Lower	127	76.8	38.4
Upper			115.2





#61

1,2-Dibromoethane

Concen: 19.115 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

Tot Ion:107 Resp: 186449

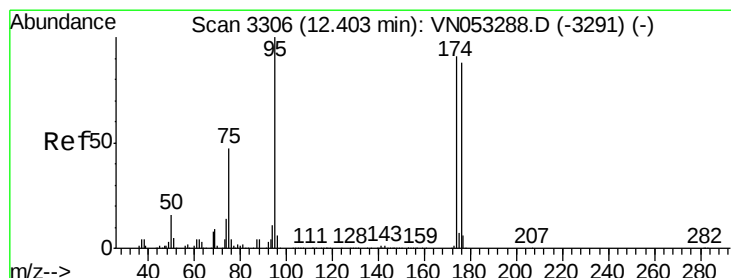
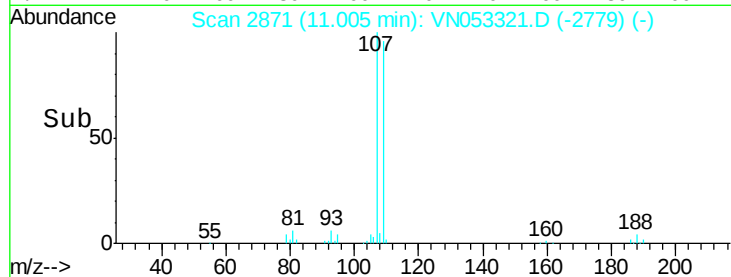
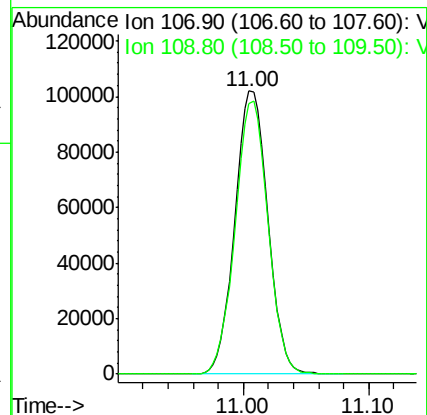
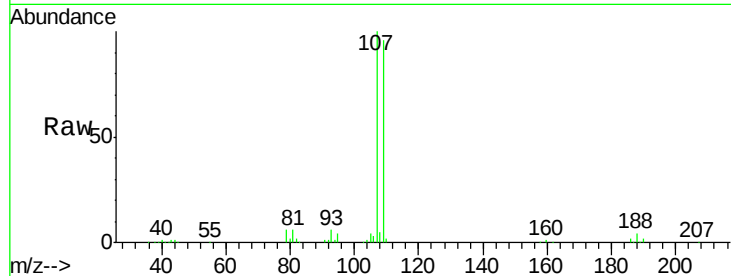
Ion Ratio Lower Upper

107 100

109 95.8 75.0 112.6

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 19.115 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

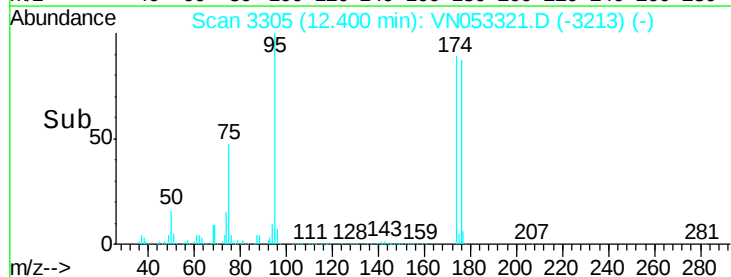
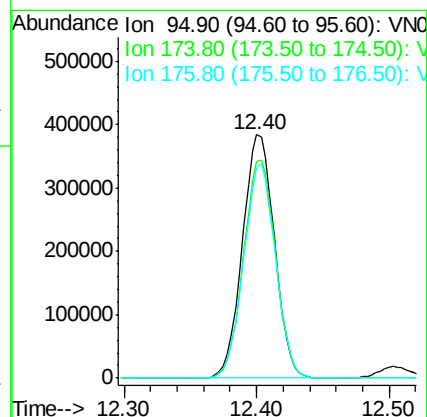
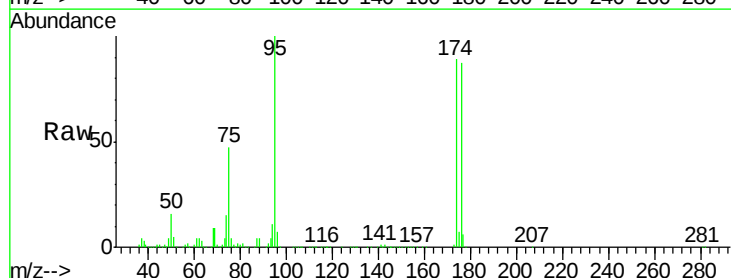
Tgt Ion: 95 Resp: 643423

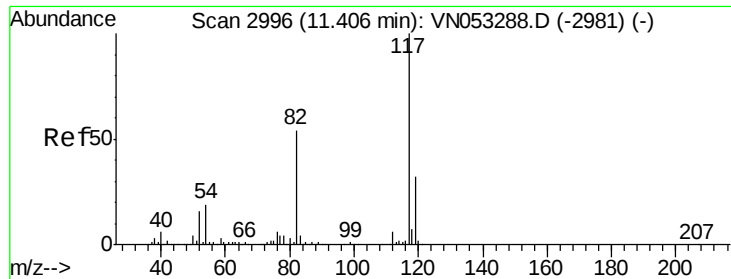
Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.4

176 87.2 0.0 175.6





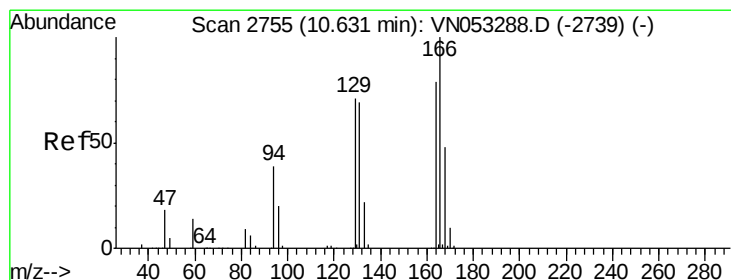
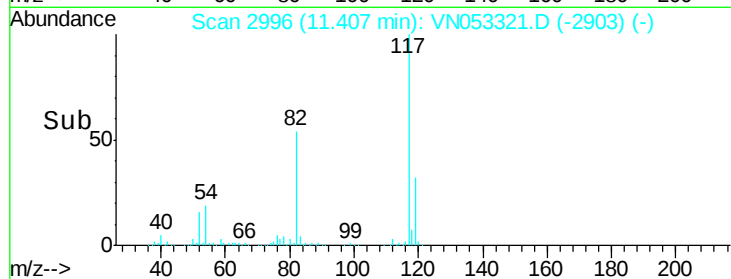
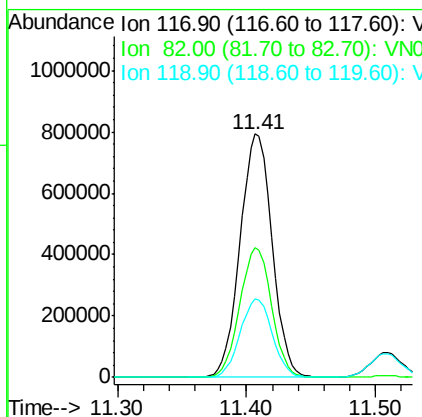
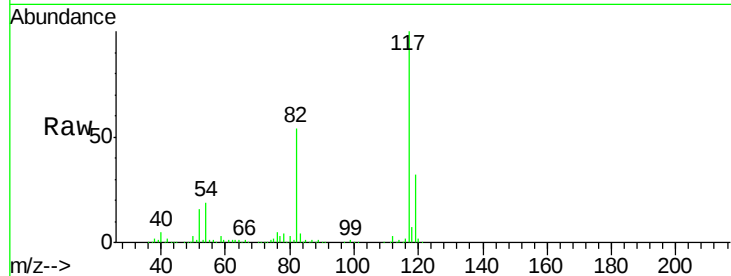
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampled :
VN0109WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.9	64.3
119	32.1	25.6	38.4

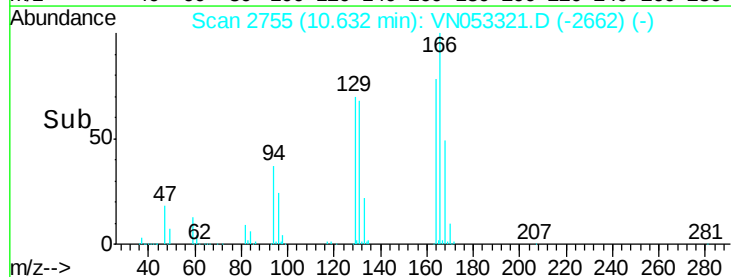
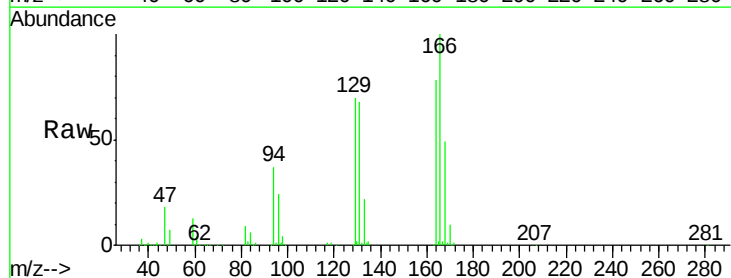
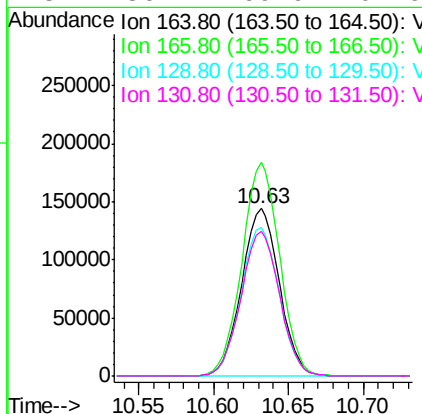
Manual Integrations
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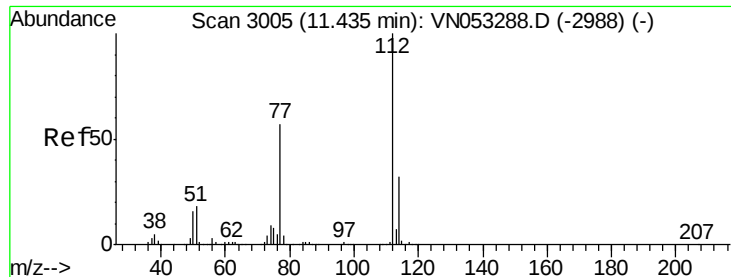
MMDadoda
1/10/2019 9:25:18 AM



#64
Tetrachloroethene
Concen: 19.627 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.7	152.5
129	88.8	72.1	108.1
131	86.7	69.9	104.9





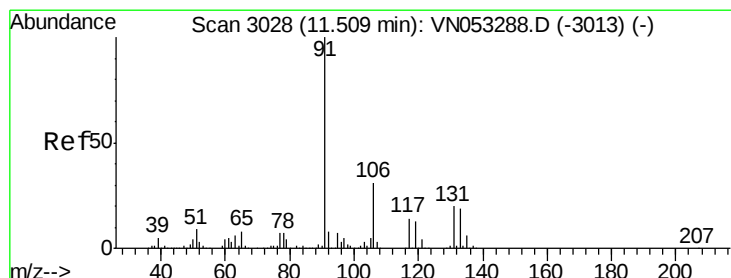
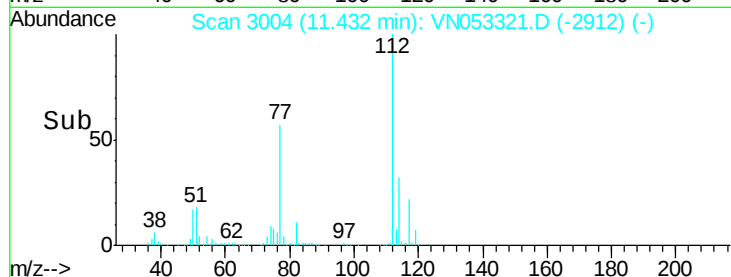
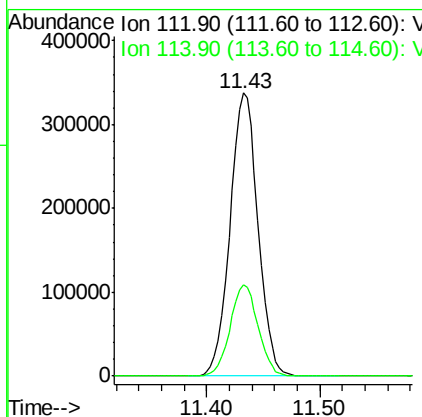
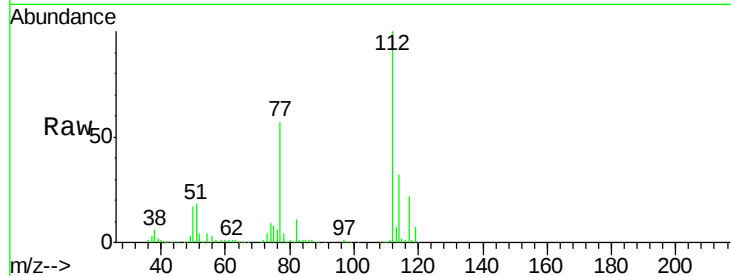
#65
Chlorobenzene
Concen: 19.457 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.6	38.4

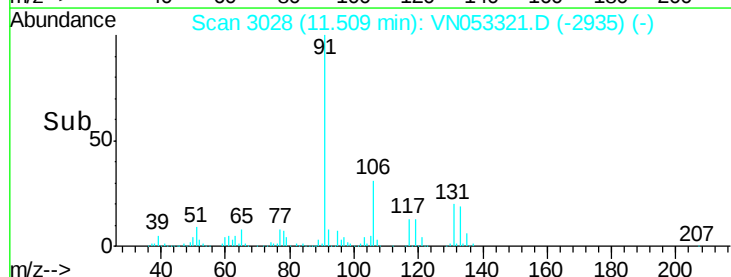
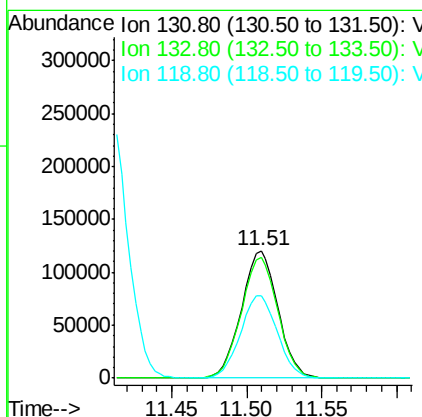
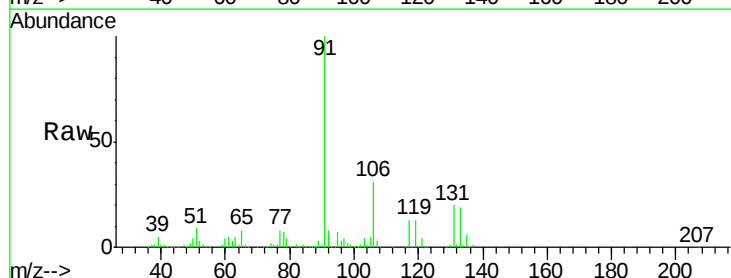
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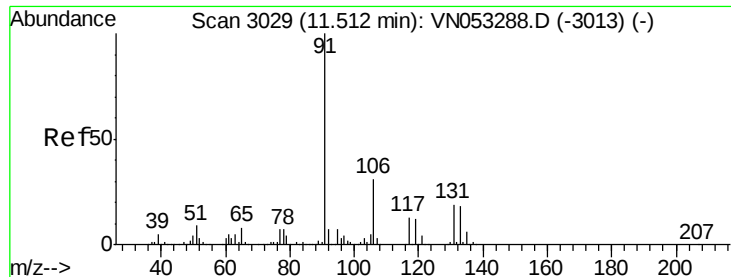
MMDadoda
1/10/2019 9:25:18 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.539 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.0	144.0
119	66.0	33.3	99.9





#67

Ethyl Benzene

Concen: 19.782 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

Tot Ion: 91 Resp: 1000116

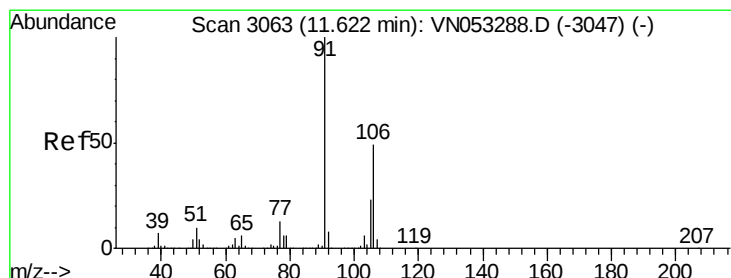
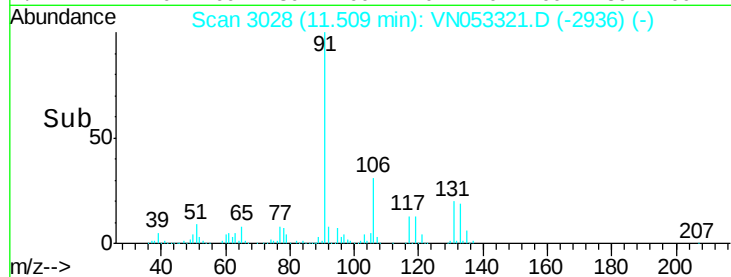
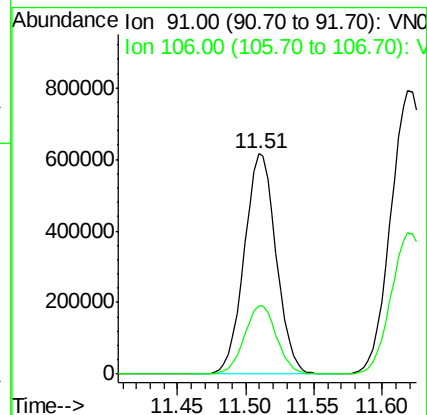
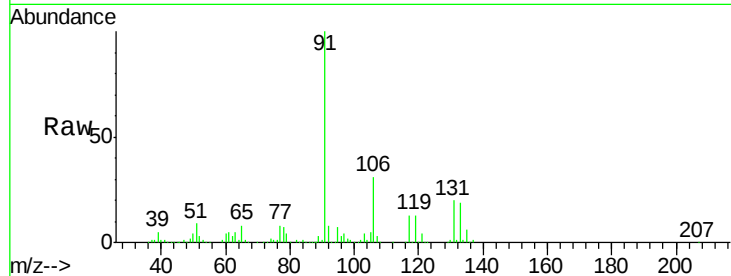
Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 39.917 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053321.D

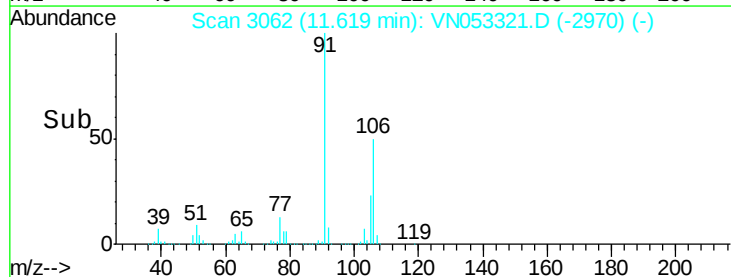
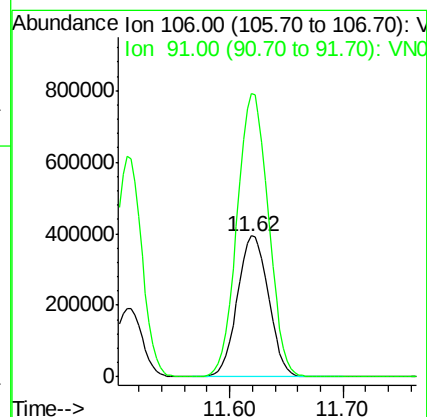
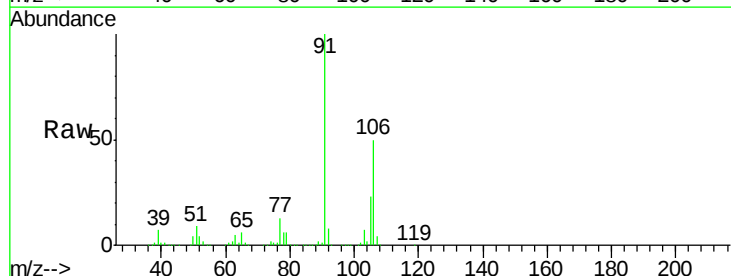
Acq: 9 Jan 2019 10:47

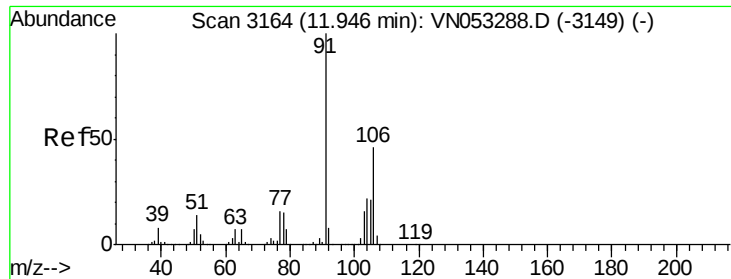
Tgt Ion: 106 Resp: 758854

Ion Ratio Lower Upper

106 100

91 201.3 161.4 242.2





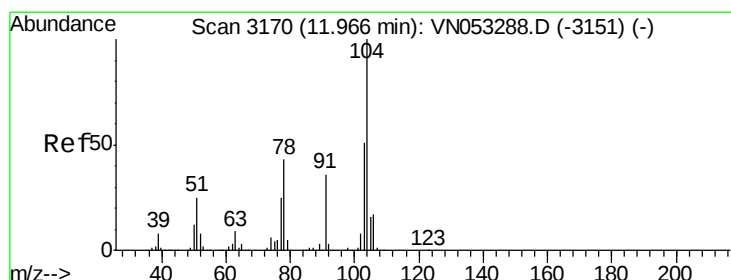
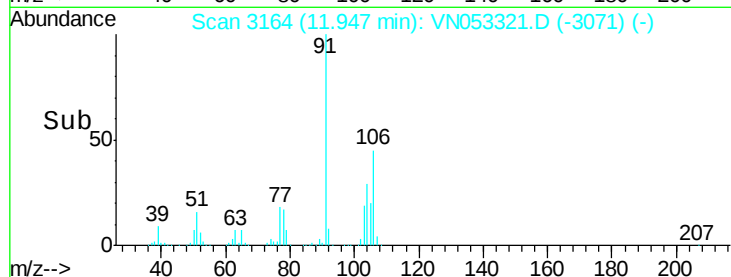
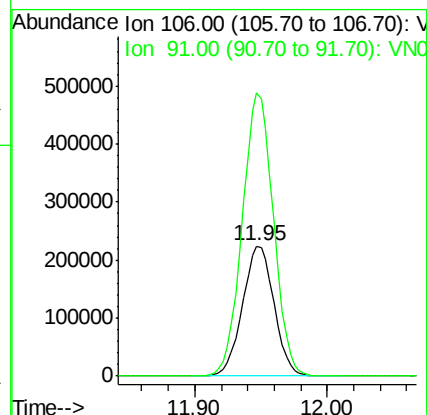
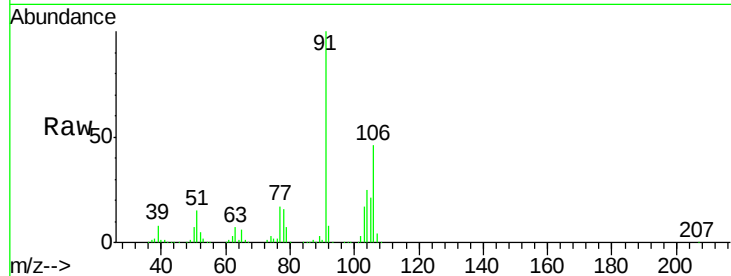
#69
o-Xylene
Concen: 19.801 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Tot Ion:106 Resp: 368535
Ion Ratio Lower Upper
106 100
91 216.2 106.8 320.4

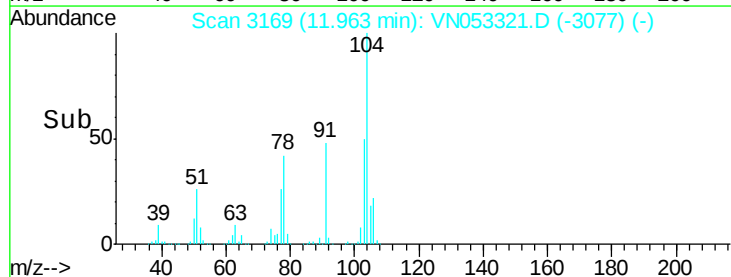
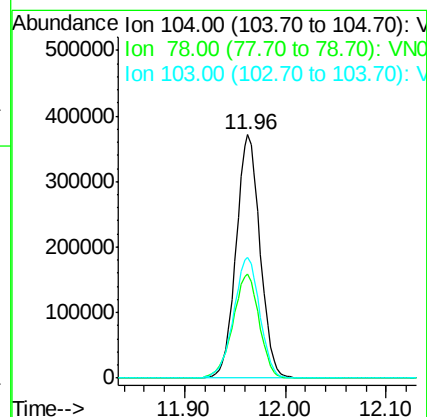
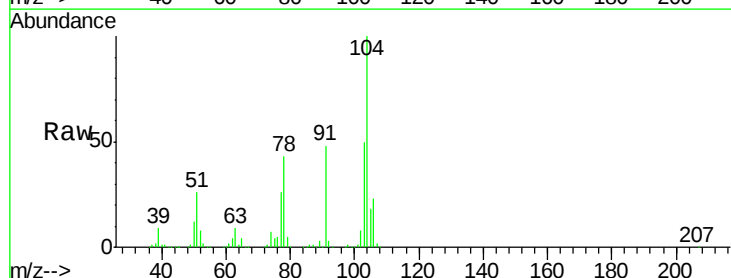
Manual Integrations
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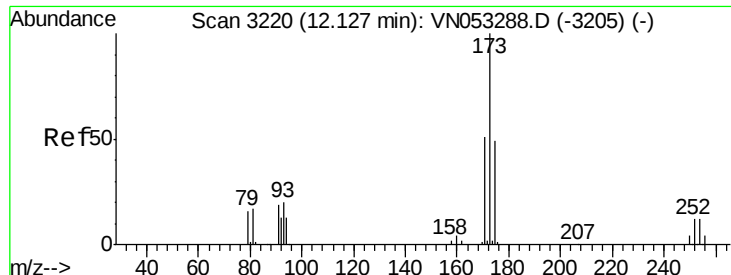
MMDadoda
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#70
Styrene
Concen: 20.207 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion:104 Resp: 612086
Ion Ratio Lower Upper
104 100
78 47.1 38.5 57.7
103 54.2 44.5 66.7





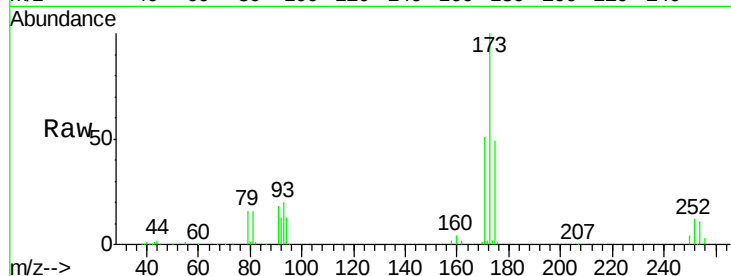
#71
Bromoform
Concen: 19.268 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

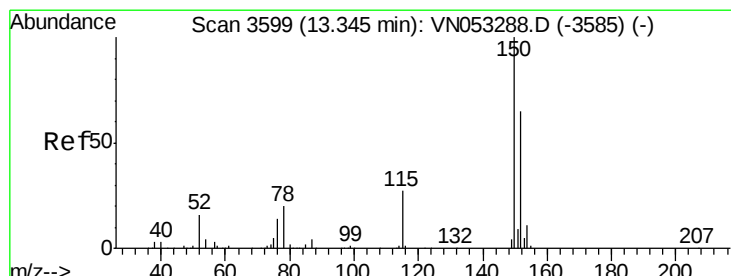
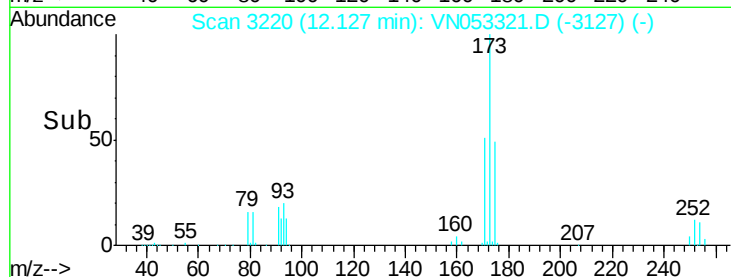
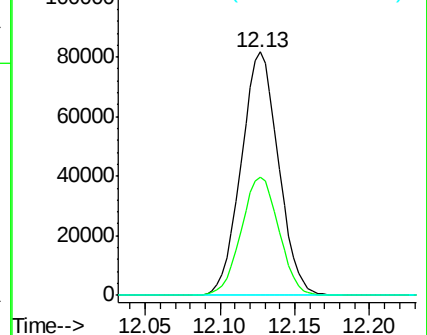
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.0	0.2	0.2

Manual Integrations
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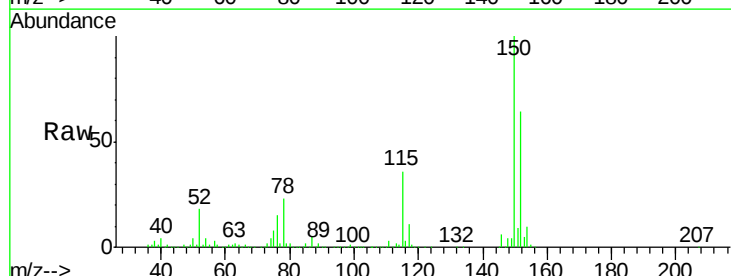


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

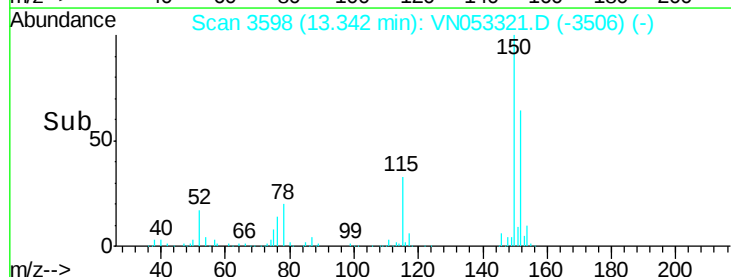
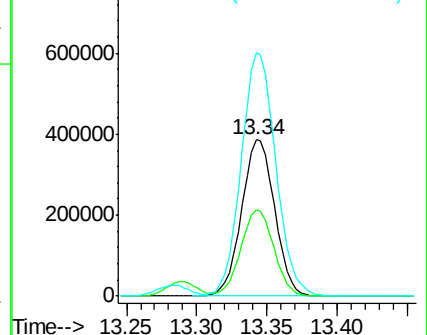


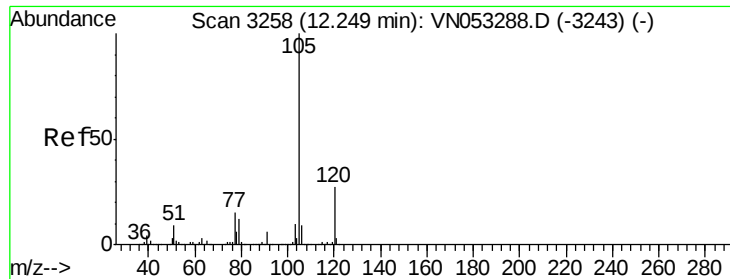
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.0	84.0
150	163.3	0.0	346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.739 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

Tot Ion: 105 Resp: 977029

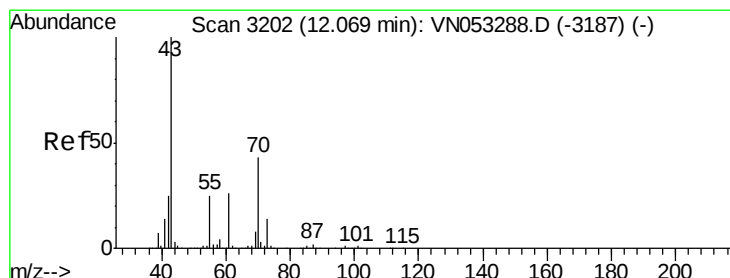
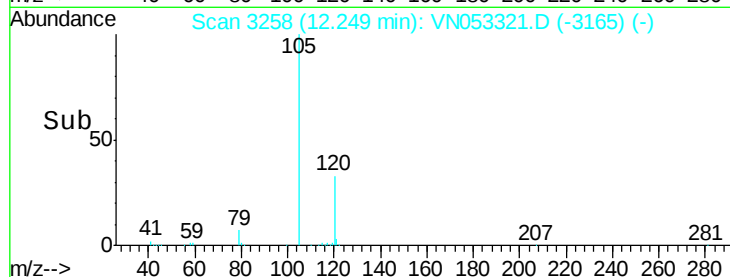
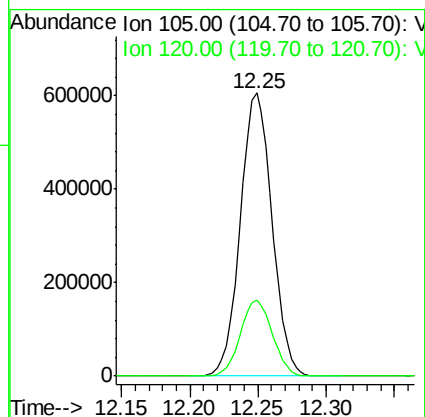
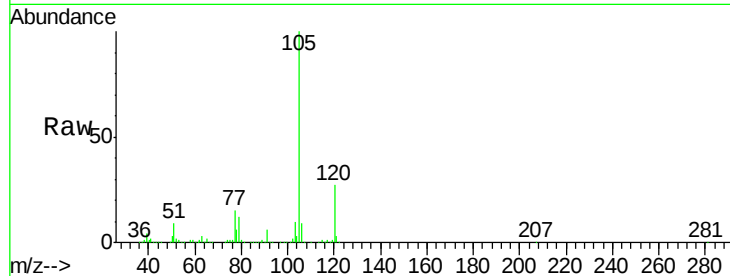
Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.418 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Tgt Ion: 43 Resp: 273169

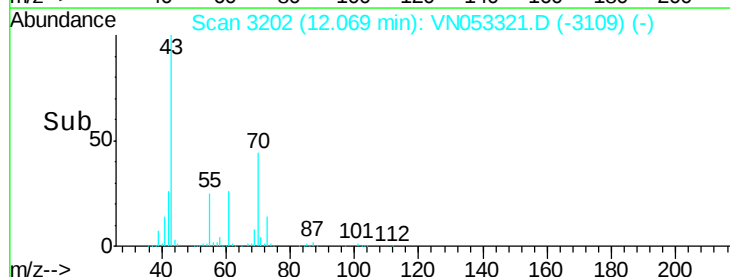
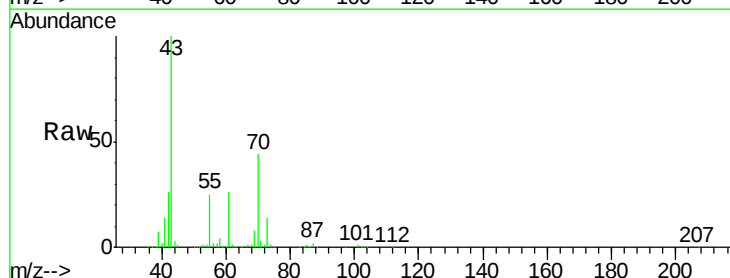
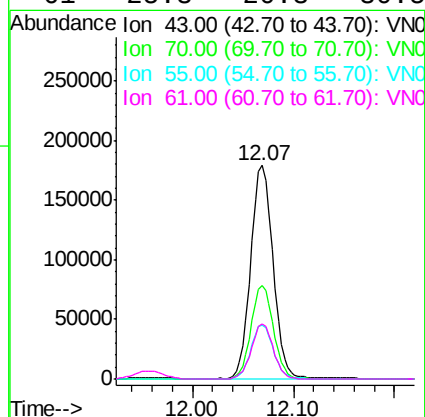
Ion Ratio Lower Upper

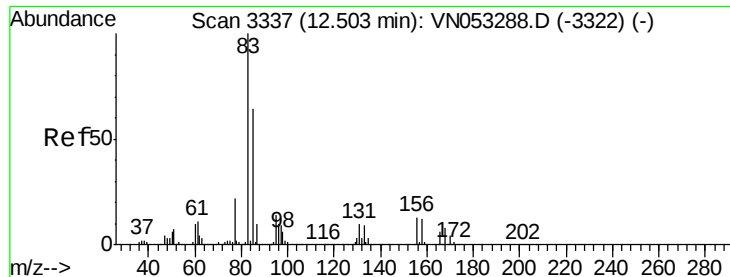
43 100

70 43.9 35.0 52.6

55 25.5 20.0 30.0

61 25.3 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.716 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

Tot Ion: 83 Resp: 213662

Ion Ratio Lower Upper

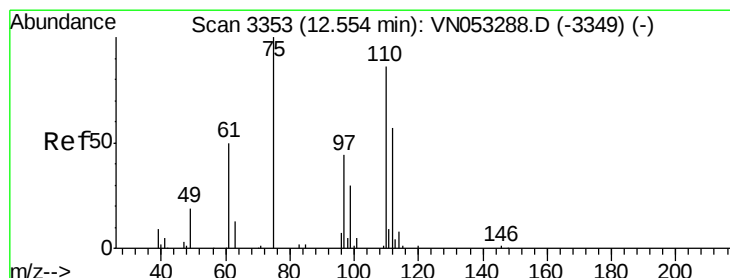
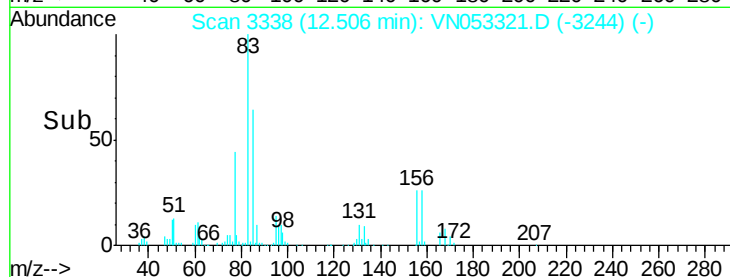
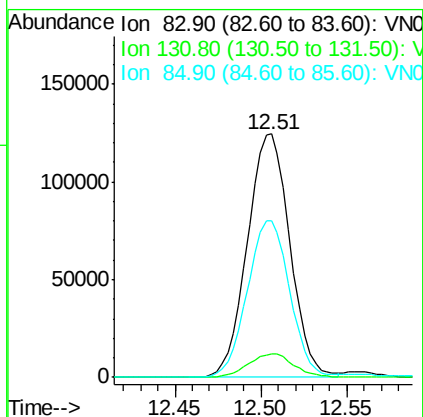
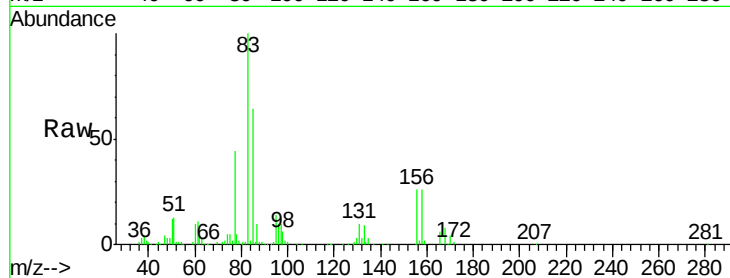
83 100

131 10.3 5.3 15.9

85 64.1 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.301 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053321.D

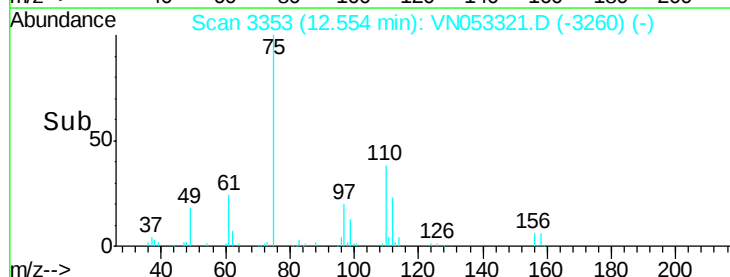
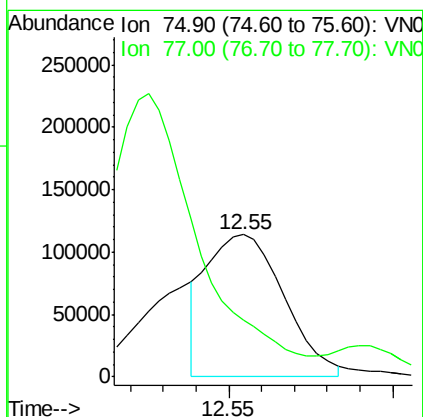
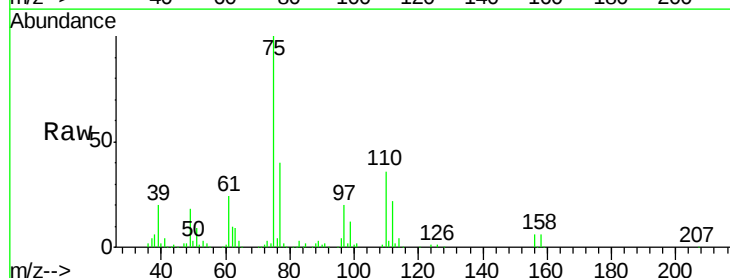
Acq: 9 Jan 2019 10:47

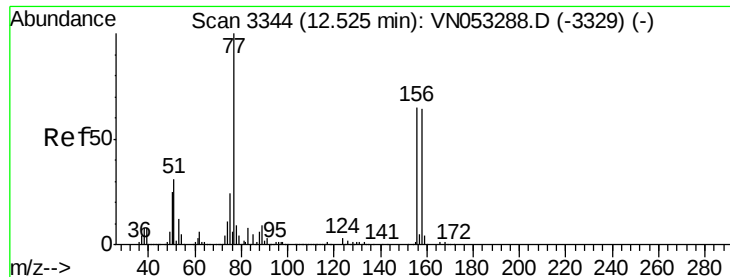
Tgt Ion: 75 Resp: 187358

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.006 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

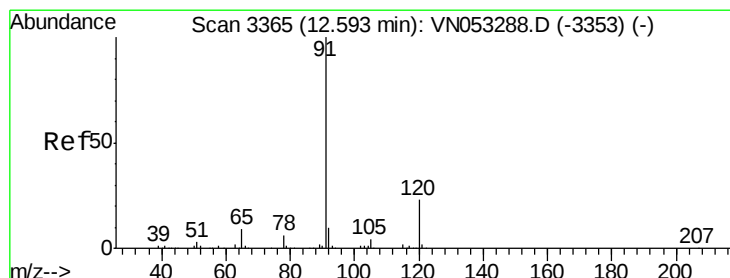
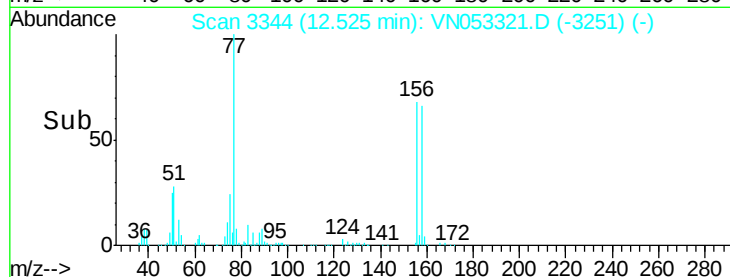
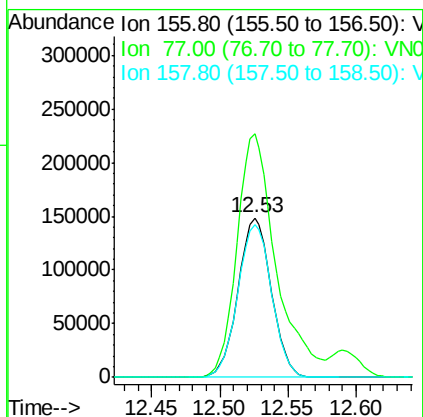
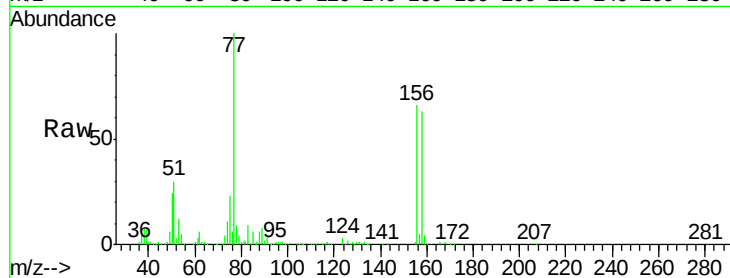
ClientSampleId :

VN0109WBS01

Tot Ion:	156	Resp:	251543
Ion Ratio	Lower	Upper	
156	100		
77	180.0	89.3	268.1
158	97.4	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.507 ug/l

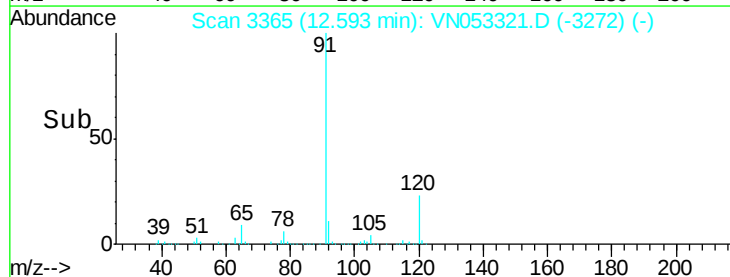
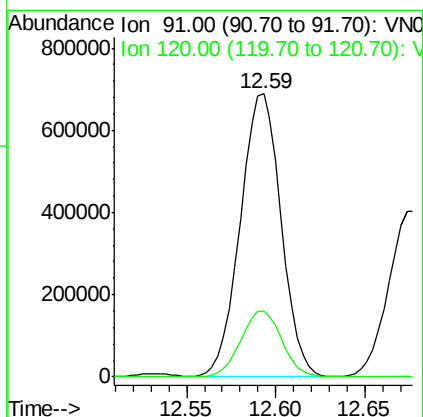
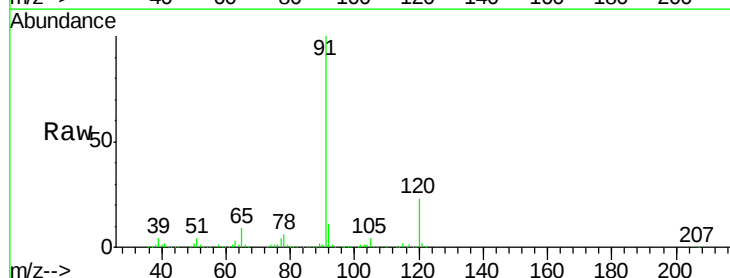
RT: 12.59 min Scan# 3365

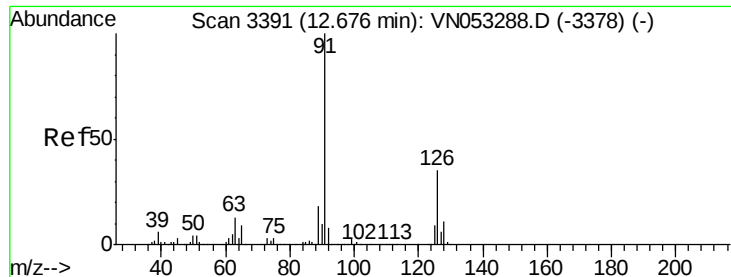
Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Tgt Ion:	91	Resp:	1092791
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.395 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

Tot Ion: 91 Resp: 657622

Ion Ratio Lower Upper

91 100

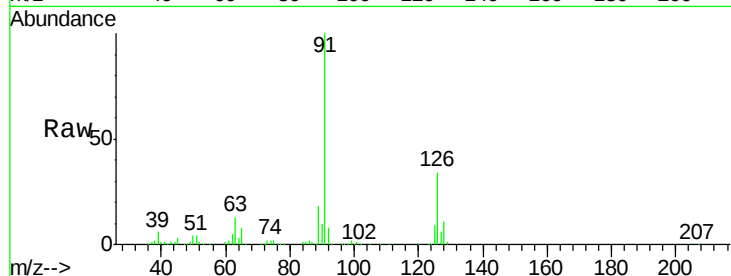
126 34.8 17.5 52.5

Manual Integrations

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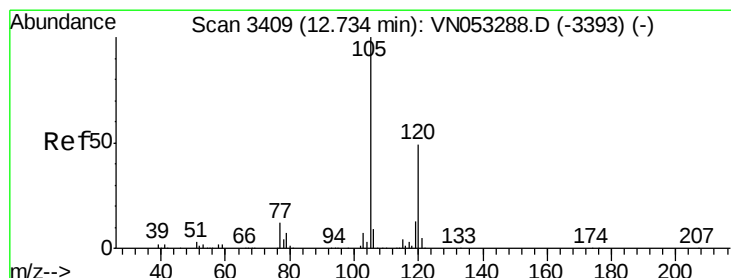
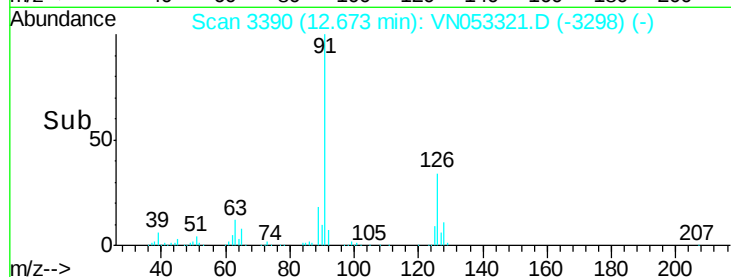
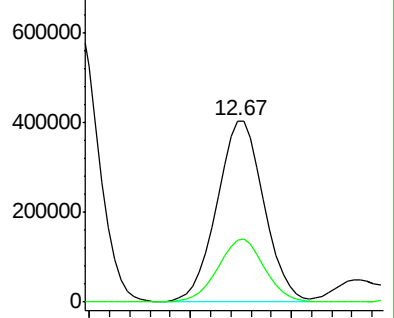
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Abundance Ion 91.00 (90.70 to 91.70): VN053321.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN053321.D (-3390) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.707 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053321.D

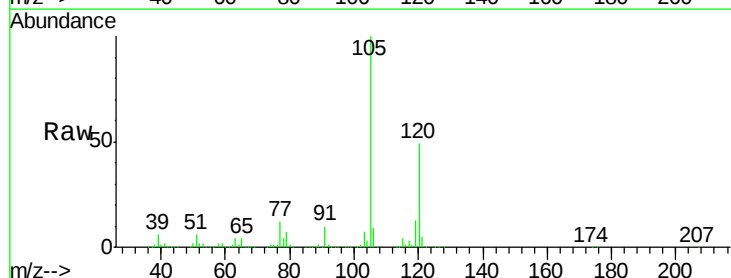
Acq: 9 Jan 2019 10:47

Tgt Ion: 105 Resp: 785794

Ion Ratio Lower Upper

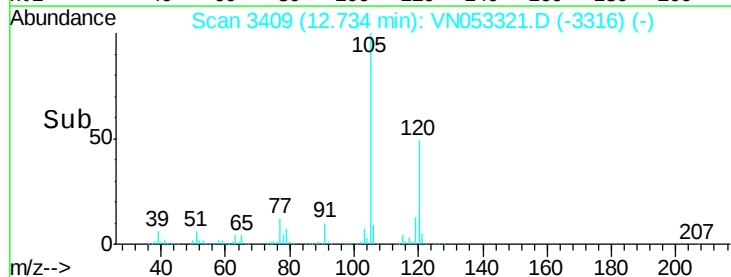
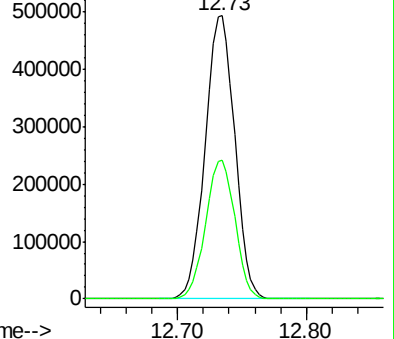
105 100

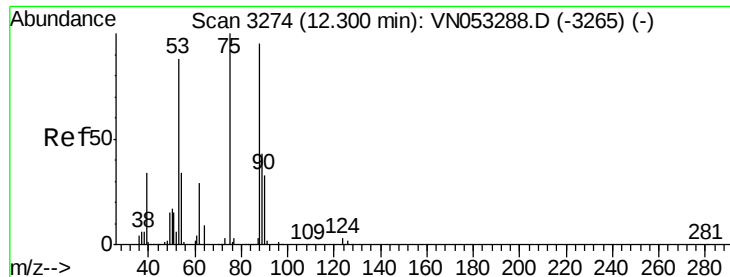
120 48.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN053321.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN053321.D (-3409) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.984 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

Tot Ion: 75 Resp: 62688

Ion Ratio Lower Upper

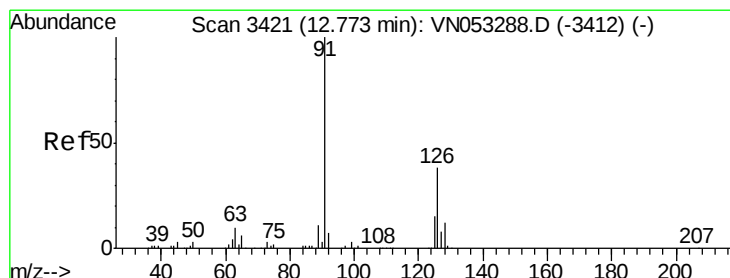
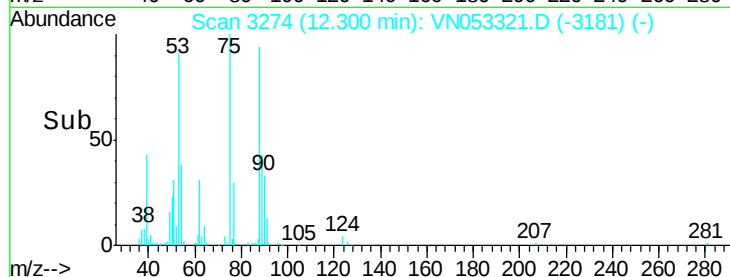
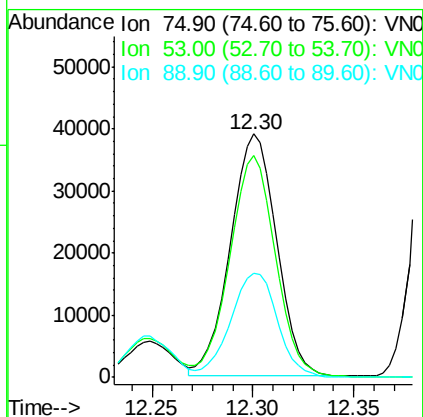
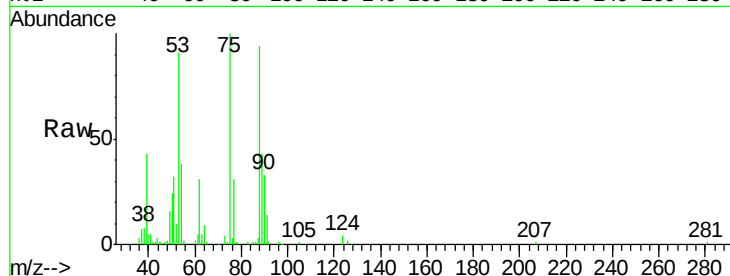
75 100

53 90.5 70.5 105.7

89 43.5 35.4 53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.109 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053321.D

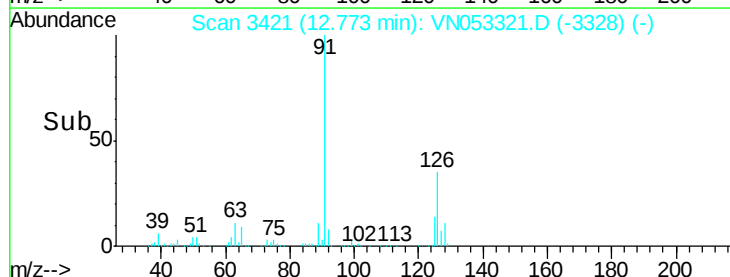
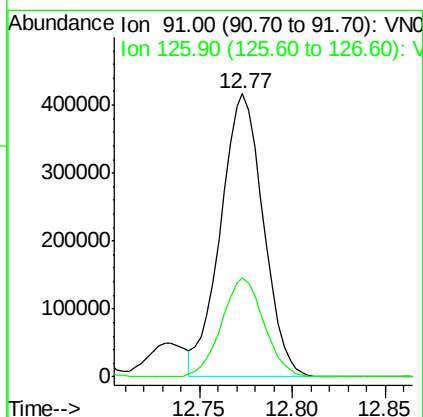
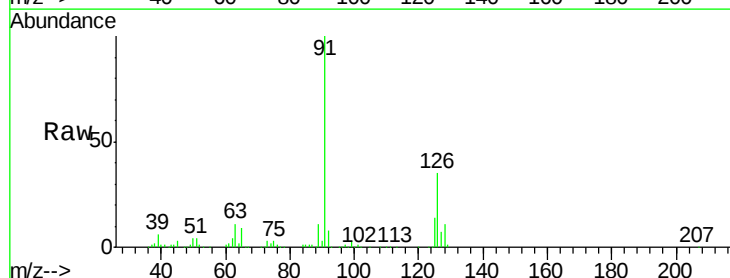
Acq: 9 Jan 2019 10:47

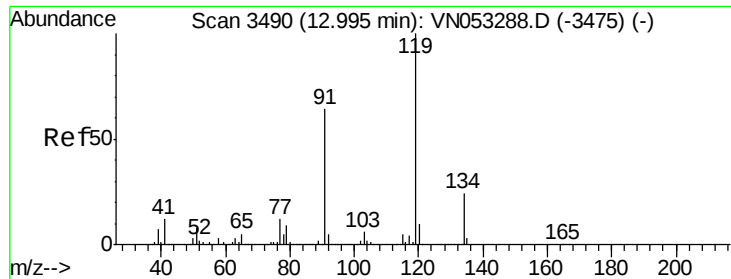
Tgt Ion: 91 Resp: 664883

Ion Ratio Lower Upper

91 100

126 34.7 17.4 52.2





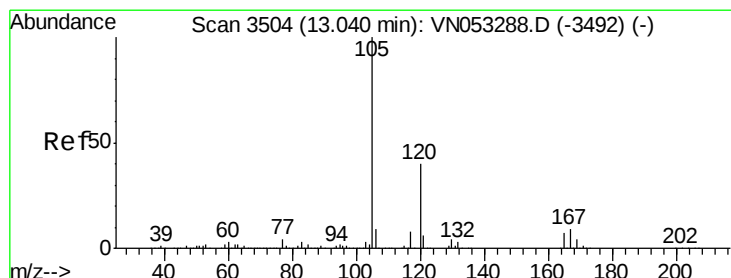
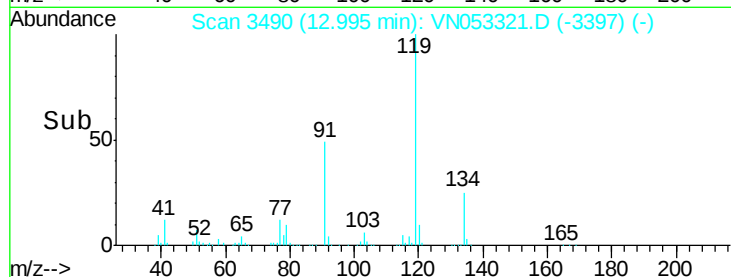
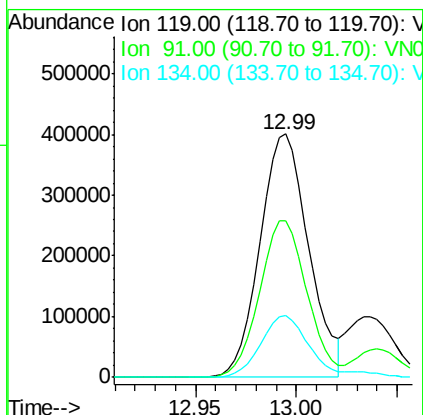
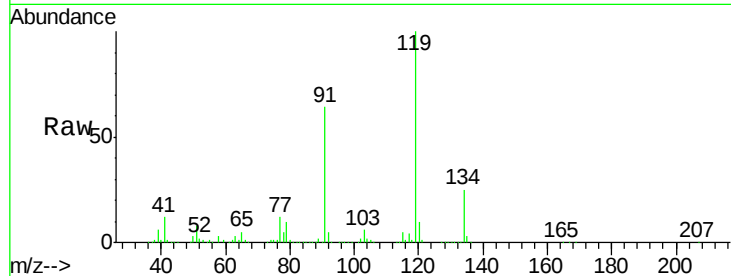
#83
tert-Butylbenzene
Concen: 20.277 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampled :
VN0109WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	31.6	95.0
134	26.2	12.9	38.6

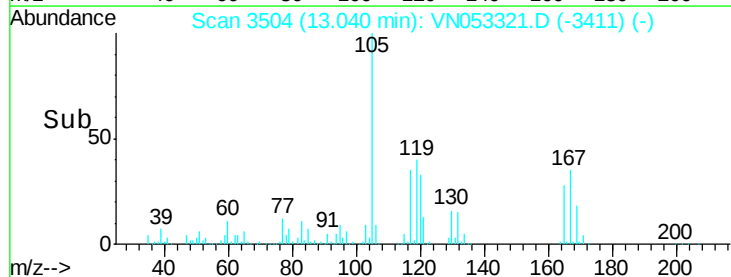
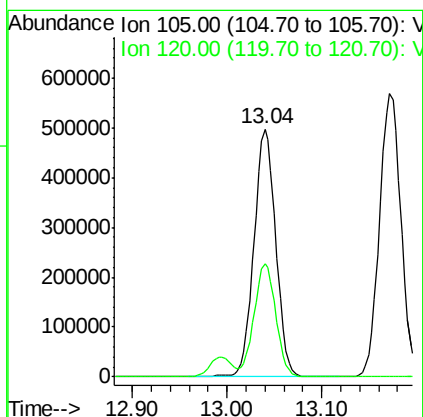
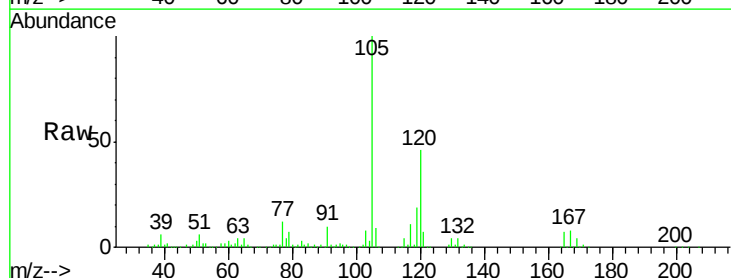
Manual Integrations
APPROVED

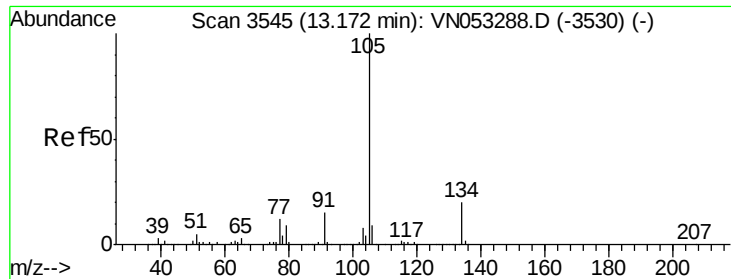
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#84
1,2,4-Trimethylbenzene
Concen: 20.560 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.0	69.0





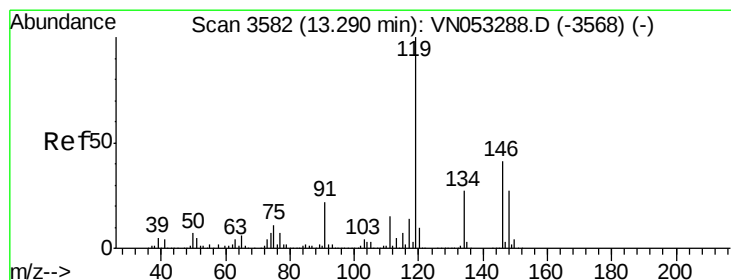
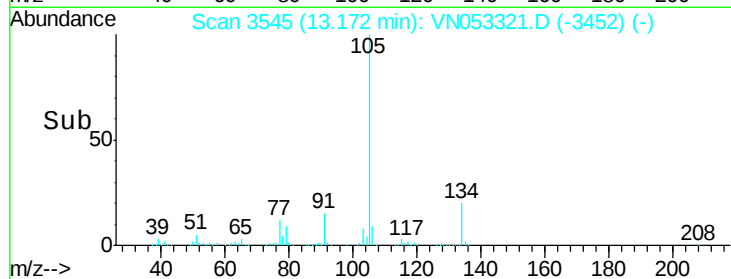
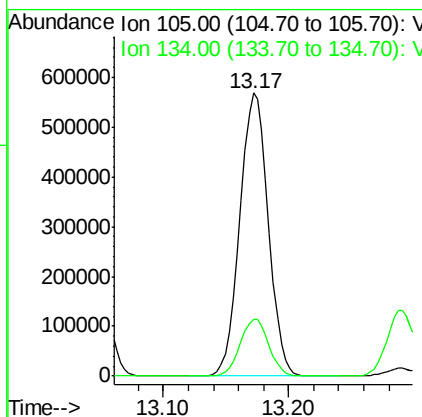
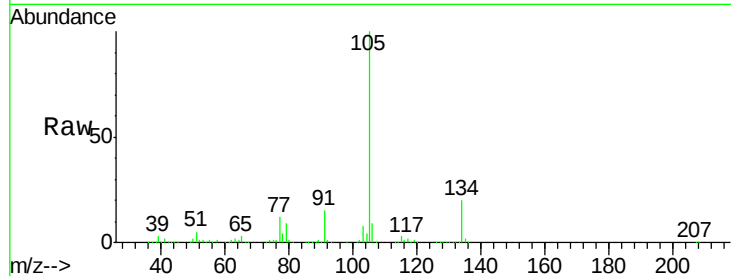
#85
 sec-Butylbenzene
 Concen: 20.371 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.2	30.6

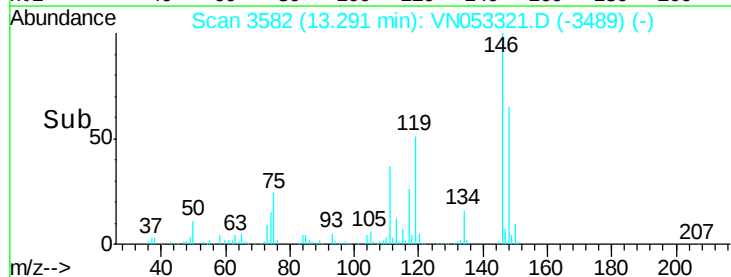
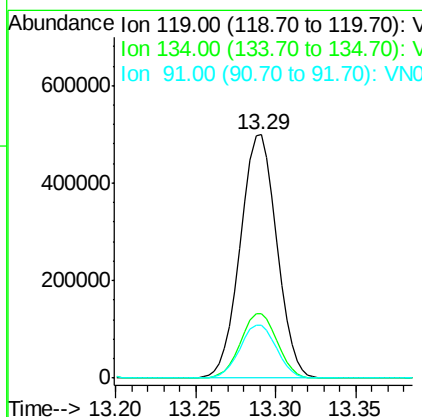
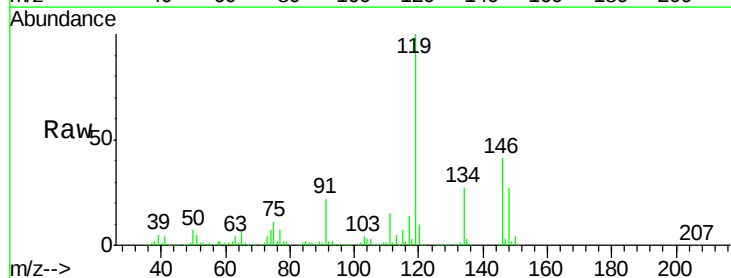
Manual Integrations
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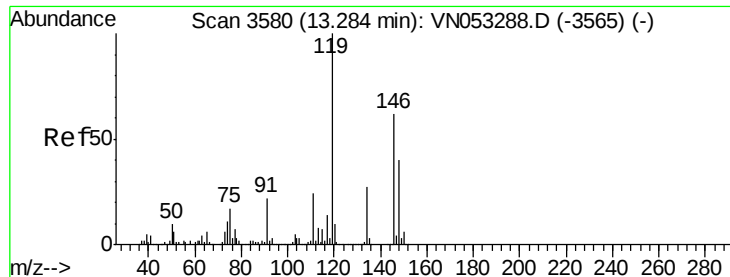
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#86
 p-Isopropyltoluene
 Concen: 20.350 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.4	40.1
91	21.9	11.1	33.1





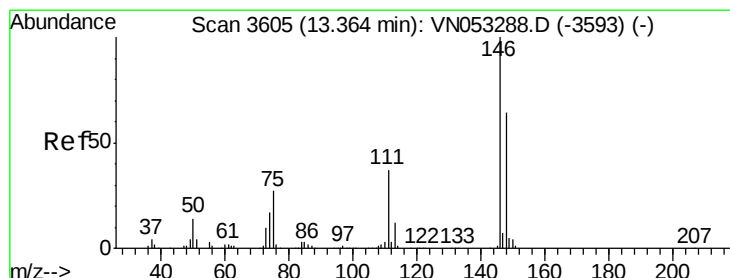
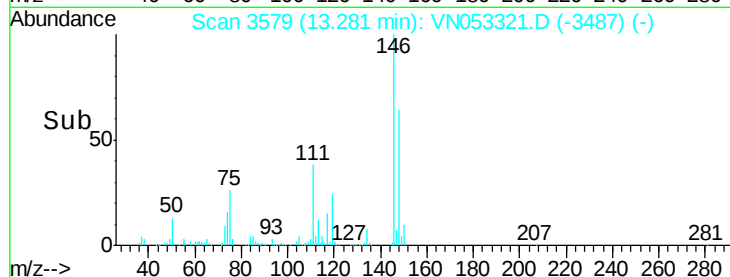
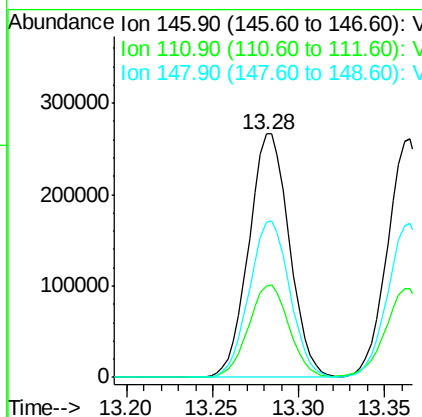
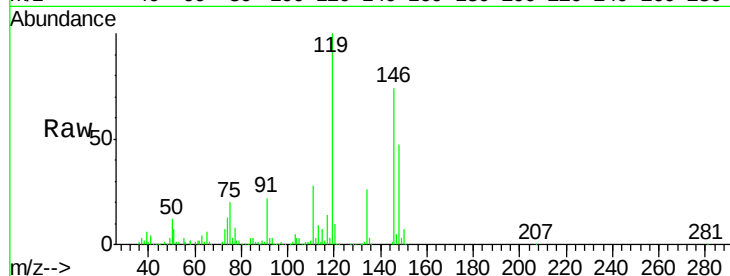
#87
 1,3-Dichlorobenzene
 Concen: 19.702 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.5
148	64.2	32.0	96.2

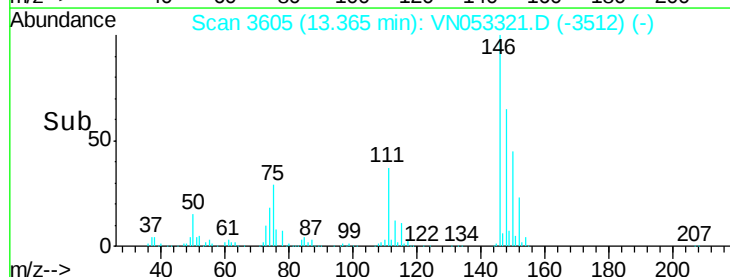
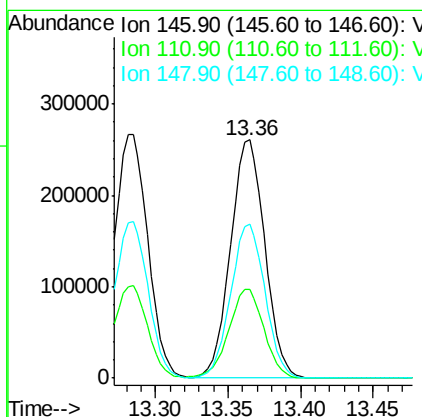
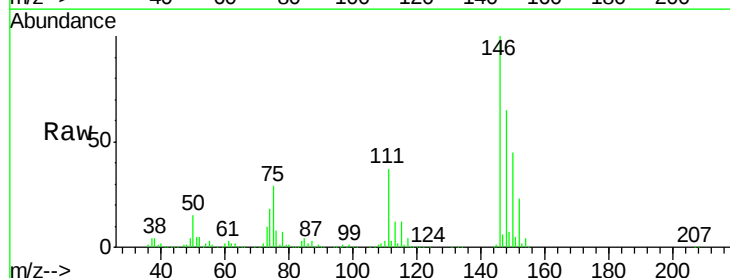
Manual Integrations
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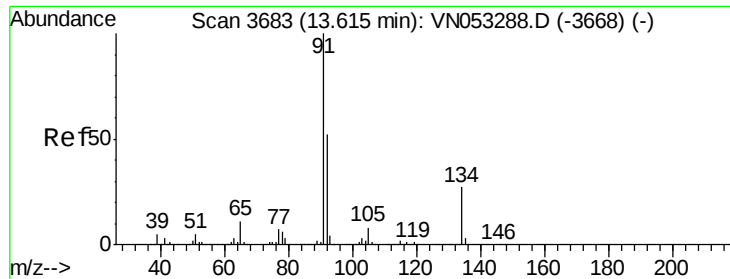
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#88
 1,4-Dichlorobenzene
 Concen: 19.487 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.8
148	64.7	32.0	96.0





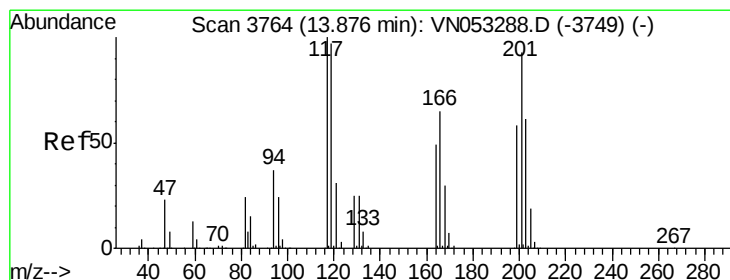
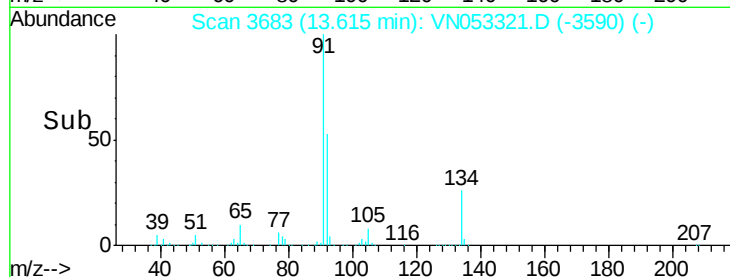
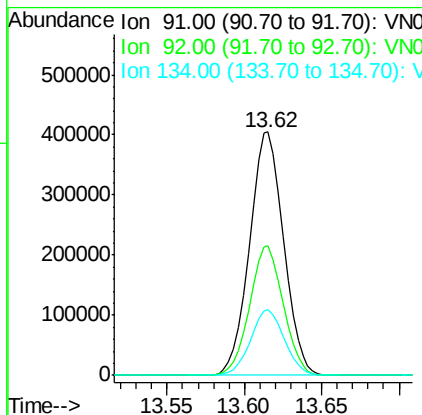
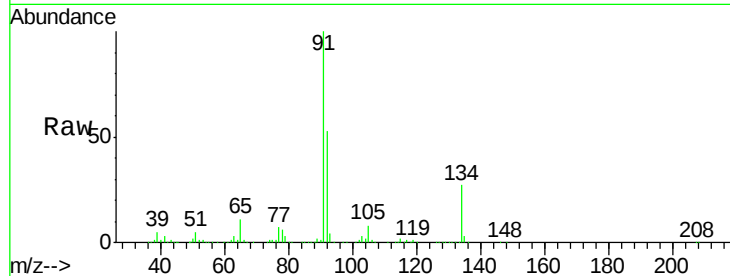
#89
n-Butylbenzene
Concen: 19.502 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.8
134	26.9	13.5	40.5

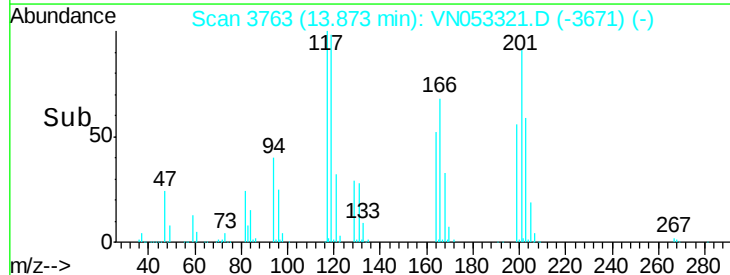
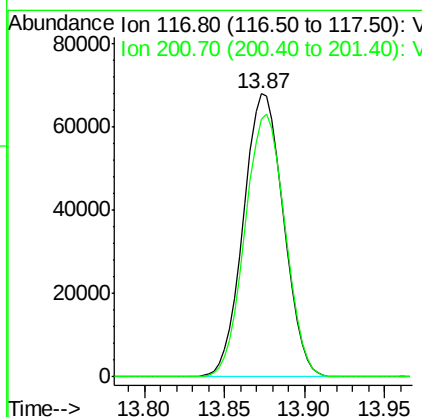
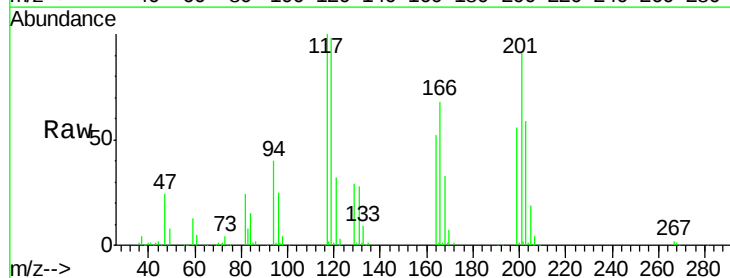
Manual Integrations
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#90
Hexachloroethane
Concen: 19.127 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.8	46.1	138.3





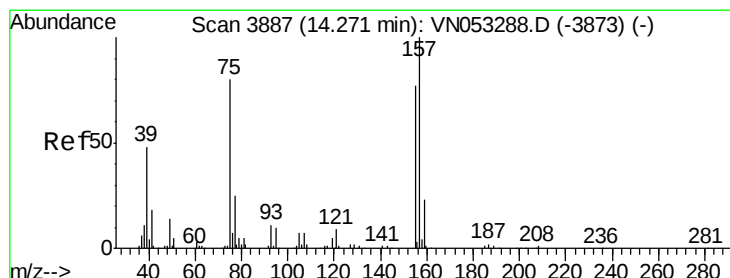
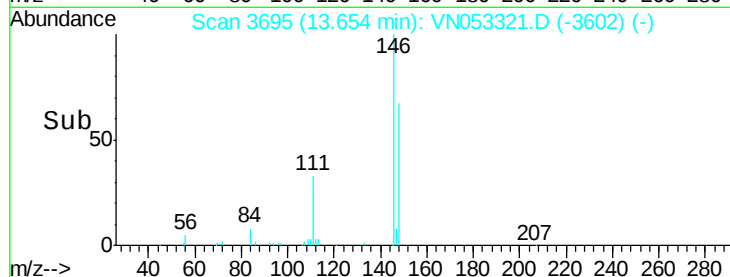
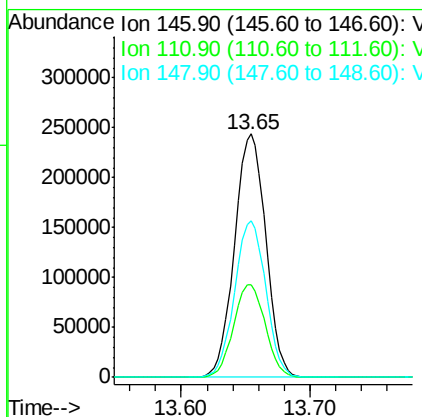
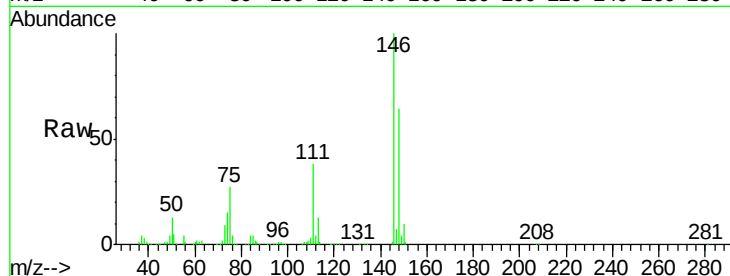
#91
 1,2-Dichlorobenzene
 Concen: 19.807 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.2
148	64.2	32.2	96.6

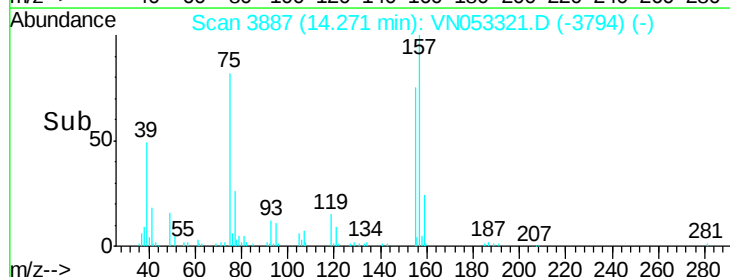
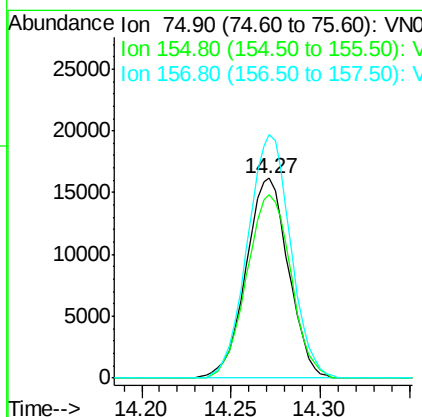
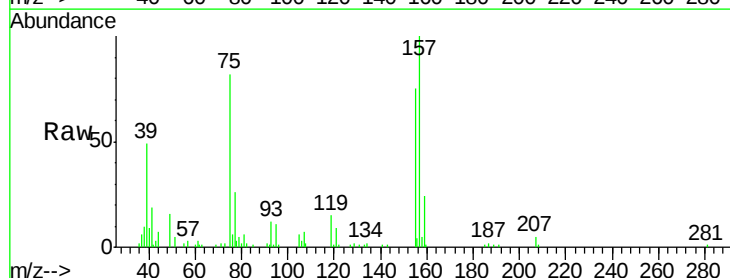
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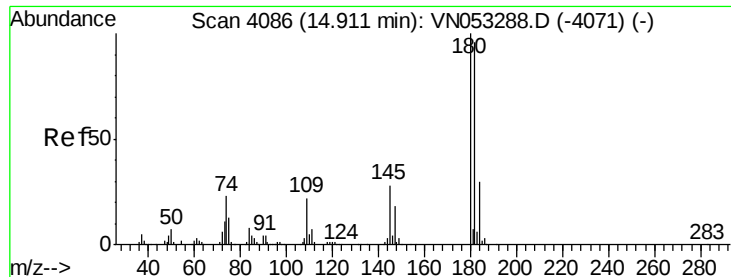
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.474 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.5	48.1	144.3
157	123.1	61.5	184.4





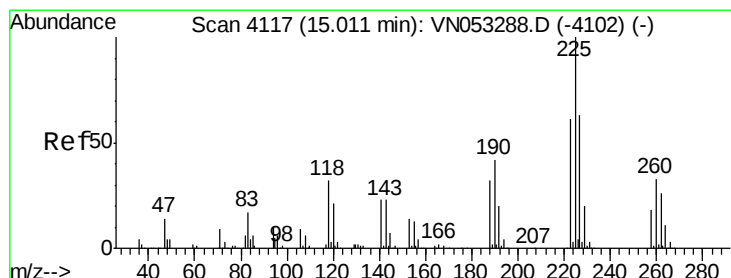
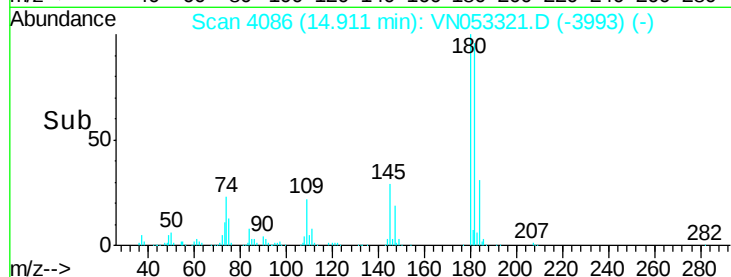
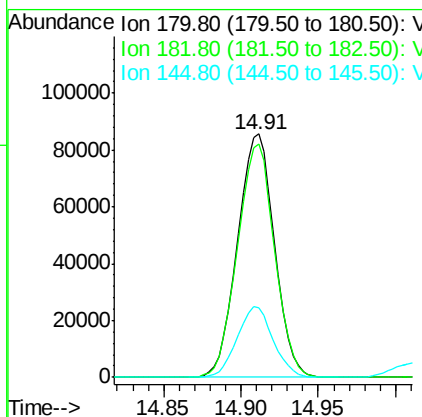
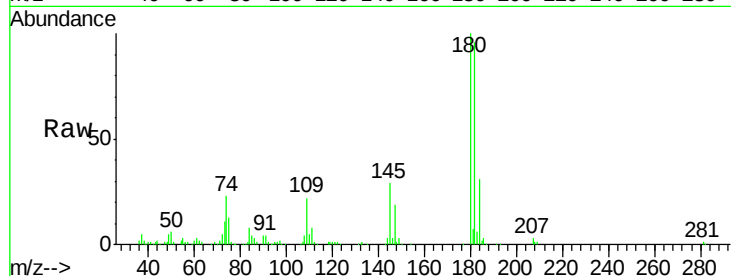
#93
 1,2,4-Trichlorobenzene
 Concen: 21.791 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.8	143.4
145	28.3	14.4	43.0

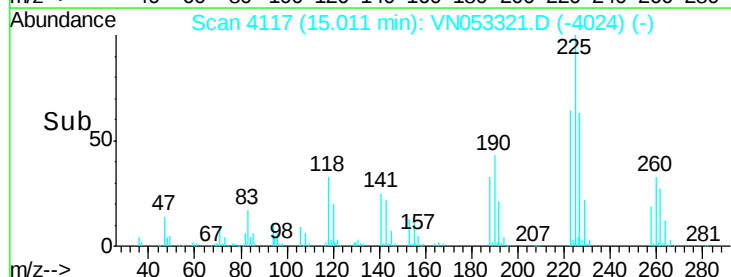
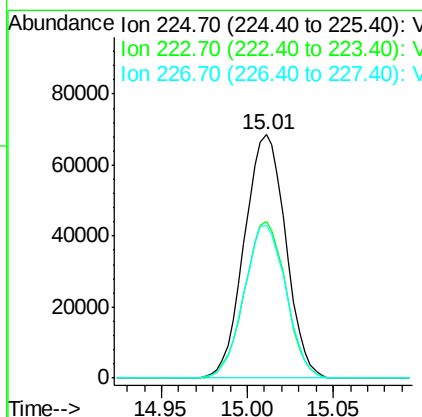
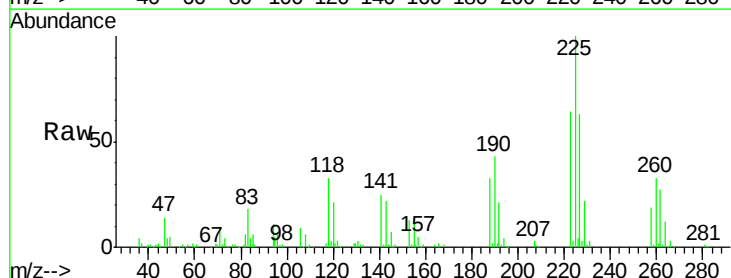
Manual Integrations
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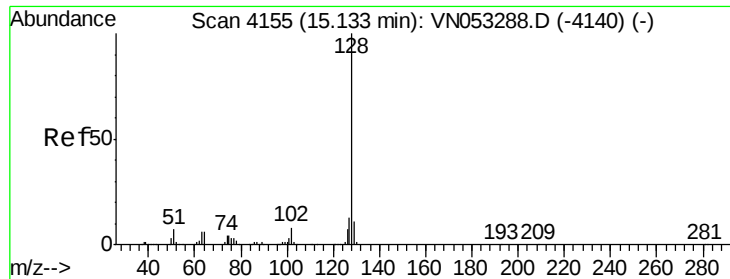
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#94
 Hexachlorobutadiene
 Concen: 21.497 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	30.9	92.8
227	63.5	31.4	94.2





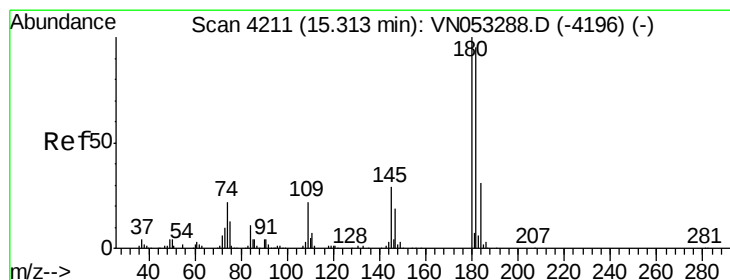
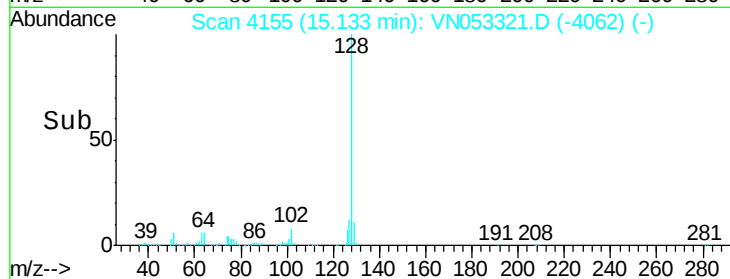
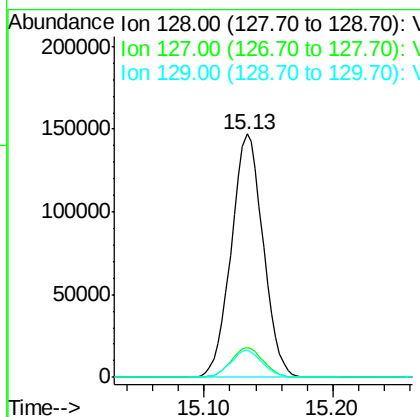
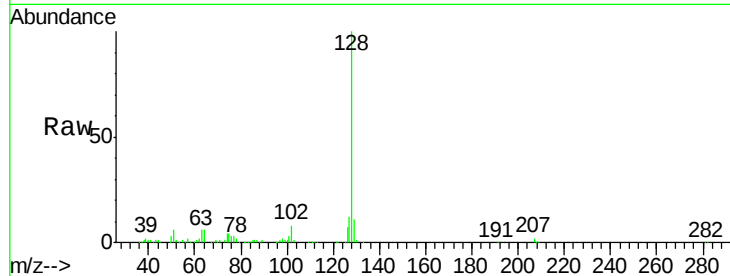
#95
Naphthalene
Concen: 22.687 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.503 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.5	48.4	145.0
145	30.0	14.9	44.5

