

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053465.D
 Acq On : 18 Jan 2019 11:47
 Operator : JC/SP
 Sample : VN0118WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0118WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 10:47:52 AM

Quant Time: Jan 19 00:17:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	129768	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	729562	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	654490	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	251814	30.55	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.83%
60) 4-Bromofluorobenzene	12.40	95	303589	30.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.03%
63) Toluene-d8	10.09	98	883664	29.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	123375	14.269	ug/l 100
3) Chloromethane	2.06	50	161577	15.922	ug/l 99
4) Vinyl Chloride	2.19	62	163273	16.350	ug/l 97
5) Bromomethane	2.57	94	110798	17.209	ug/l 95
6) Chloroethane	2.71	64	97585	16.964	ug/l 98
7) Trichlorofluoromethane	3.02	101	224759	18.226	ug/l 98
8) Diethyl Ether	3.41	74	86476	18.874	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	138361	17.857	ug/l 96
10) 1,1-Dichloroethene	3.74	96	134200	17.749	ug/l 96
11) Methyl Iodide	3.96	142	200296	18.088	ug/l 99
12) Methyl Acetate	4.33	43	130452	22.135	ug/l 95
13) Acrolein	3.61	56	70113	99.645	ug/l 100
14) Acrylonitrile	4.99	53	274914	104.272	ug/l 99
15) Acetone	3.82	58	65099	116.179	ug/l 90
16) Carbon Disulfide	4.06	76	376255	16.176	ug/l 100
17) Allyl chloride	4.33	41	201610	16.949	ug/l 97
18) Methylene Chloride	4.55	84	159084	18.383	ug/l 94
19) trans-1,2-Dichloroethene	5.05	96	140970	17.641	ug/l 92
20) Diisopropyl ether	5.95	45	468152	18.378	ug/l 98
21) 1,1-Dichloroethane	5.85	63	270661	18.248	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	165635	18.401	ug/l 96
23) tert-Butyl Alcohol	4.78	59	50021m	112.545	ug/l
24) Methyl tert-Butyl Ether	5.05	73	380695	19.308	ug/l 96
25) Chloroform	7.37	83	267705	18.777	ug/l 98
26) Cyclohexane	7.66	56	237597	17.175	ug/l # 98
29) 1,1-Dichloropropene	7.80	75	202525	18.326	ug/l 98
30) 2-Butanone	6.84	43	310359	112.568	ug/l 98
31) 2,2-Dichloropropane	6.83	77	193946	18.129	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	224519	19.391	ug/l 97
33) Carbon Tetrachloride	7.78	117	192812	19.024	ug/l 99
34) Benzene	8.04	78	631357	19.010	ug/l 99
35) Methacrylonitrile	7.17	41	61195	17.201	ug/l 96
36) 1,2-Dichloroethane	8.12	62	194851	20.210	ug/l 98
37) Trichloroethene	8.84	130	172964	19.224	ug/l 94
38) Methylcyclohexane	9.08	83	235479	18.218	ug/l 97
39) 1,2-Dichloropropane	9.12	63	166222	19.167	ug/l 98
40) Dibromomethane	9.21	93	98533	20.090	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	204204	19.388	ug/l	98
42) Vinyl Acetate	5.90	43	1502955	99.920	ug/l	97
43) Ethyl Acetate	6.84	43	310359	50.406	ug/l	100
44) Isopropyl Acetate	8.17	43	245939	21.443	ug/l #	81
45) 1,4-Dioxane	9.20	88	27556	392.891	ug/l	91
46) Methyl methacrylate	9.20	41	119031	20.543	ug/l	95
47) n-amyl Acetate	12.07	43	208566	20.706	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	206464	19.206	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	239064	18.886	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	143398	20.392	ug/l	98
51) Ethyl methacrylate	10.43	69	186491	20.348	ug/l	91
52) 1,3-Dichloropropane	10.71	76	242059	19.982	ug/l	100
53) Dibromochloromethane	10.90	129	156710	19.841	ug/l	98
54) 1,2-Dibromoethane	11.01	107	143932	20.289	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	527107	100.215	ug/l	98
56) Bromoform	12.13	173	111730	20.679	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	698041	111.926	ug/l	97
59) 2-Hexanone	10.75	43	480624	111.629	ug/l	97
61) Tetrachloroethene	10.63	164	190262	19.672	ug/l	94
62) Toluene	10.16	91	682639	19.018	ug/l	100
64) Chlorobenzene	11.43	112	428766	19.036	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	153303	19.402	ug/l	99
66) Ethyl Benzene	11.51	91	727437	18.688	ug/l	99
67) m/p-Xylenes	11.62	106	559456	38.002	ug/l	97
68) o-Xylene	11.95	106	271062	19.001	ug/l	97
69) Styrene	11.97	104	444949	19.108	ug/l	99
70) Isopropylbenzene	12.25	105	719080	19.158	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	170702	21.605	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	153455m	22.179	ug/l	
73) Bromobenzene	12.53	156	190819	19.778	ug/l	94
74) n-propylbenzene	12.59	91	823896	19.391	ug/l	98
75) 2-Chlorotoluene	12.68	91	490130	19.478	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	590554	19.835	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	49149	20.217	ug/l	94
78) 4-Chlorotoluene	12.77	91	500195	19.528	ug/l	99
79) tert-butylbenzene	12.99	119	518047	19.950	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	597578	20.025	ug/l	99
81) sec-Butylbenzene	13.17	105	708202	20.596	ug/l	99
82) p-Isopropyltoluene	13.29	119	610637	20.552	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	330535	20.121	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	322120	20.116	ug/l	99
85) n-Butylbenzene	13.62	91	498380	20.626	ug/l	99
86) Hexachloroethane	13.88	117	93204	19.647	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	321828	21.084	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25167	22.273	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	140956	19.026	ug/l	98
90) Hexachlorobutadiene	15.01	225	104526	23.308	ug/l	99
91) Naphthalene	15.13	128	247206	15.726	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	105623	15.979	ug/l	98

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ClientSampleId :
VN0118WBSD01

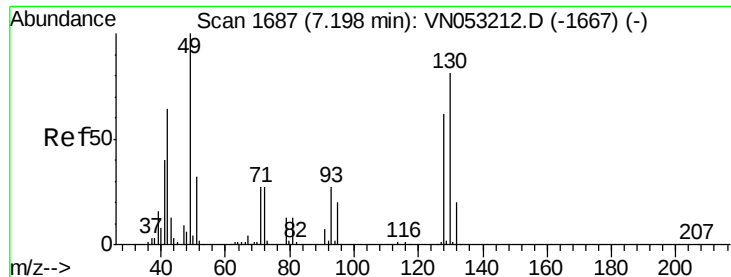
Manual Integrations
APPROVED

MMDadoda
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QLast Update : Fri Dec 28 10:33:50 2018
Response via : Initial Calibration

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

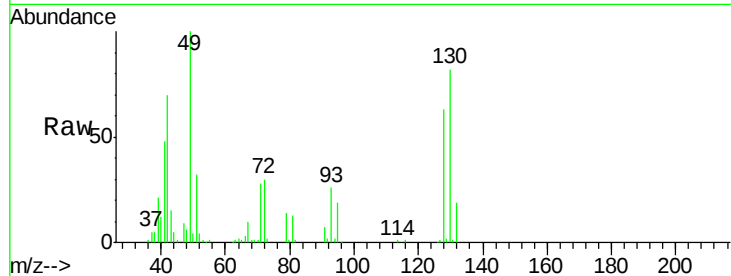
ClientSampleId :

VN0118WBSD01

Tot Ion:	128	Resp:	129768
Ion	Ratio	Lower	Upper
128	100		
49	155.2	0.0	431.8
130	128.8	0.0	317.0

Manual Integrations
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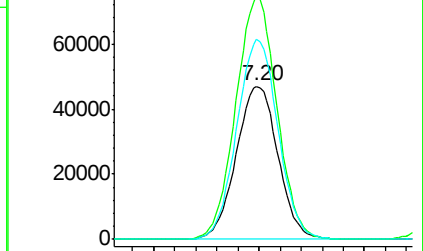
MMDadoda
1/21/2019 10:47:52 AM



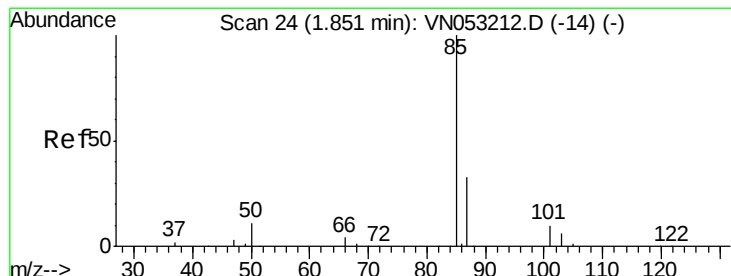
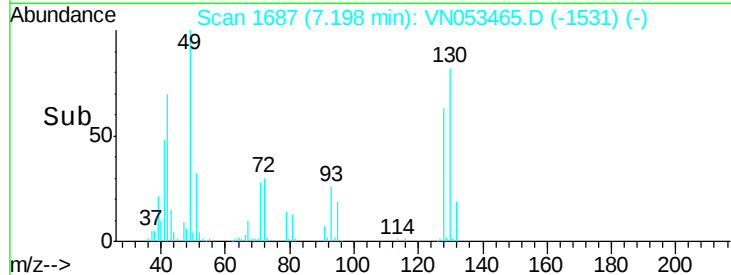
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 14.269 ug/l

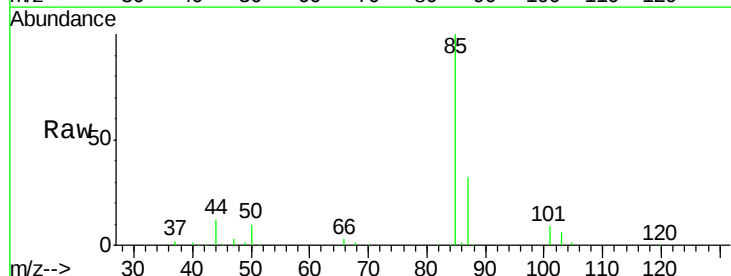
RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053465.D

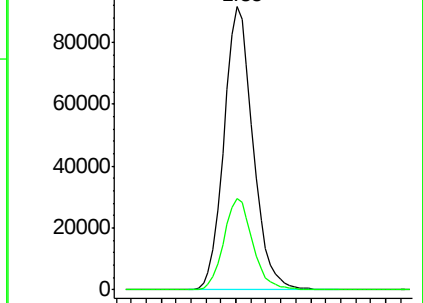
Acq: 18 Jan 2019 11:47

Tgt Ion:	85	Resp:	123375
Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.1	48.3

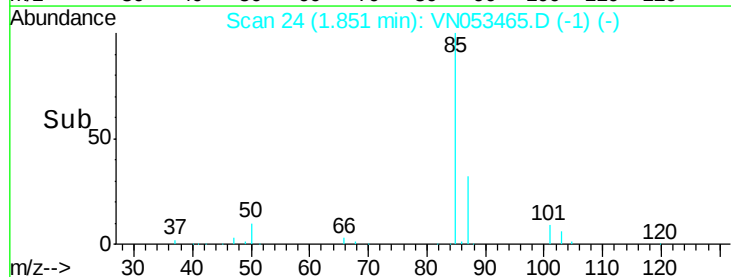


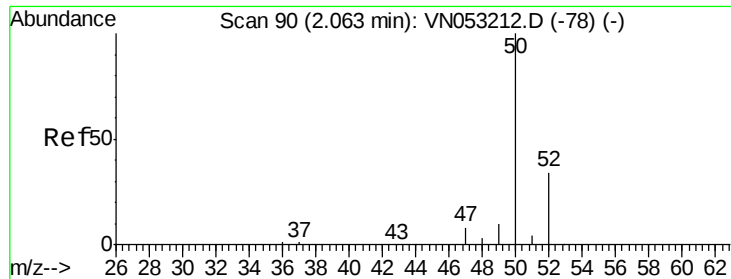
Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN



Time-->





#3

Chloromethane

Concen: 15.922 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBSD01

Tot Ion: 50 Resp: 161577

Ion Ratio Lower Upper

50 100

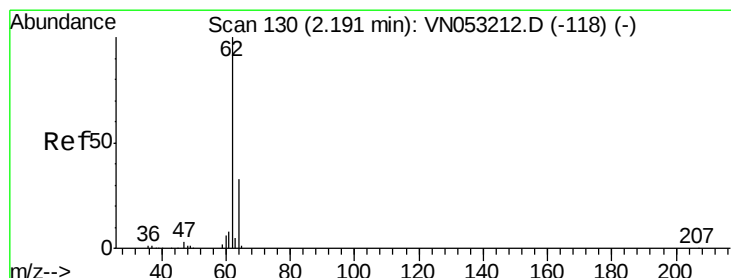
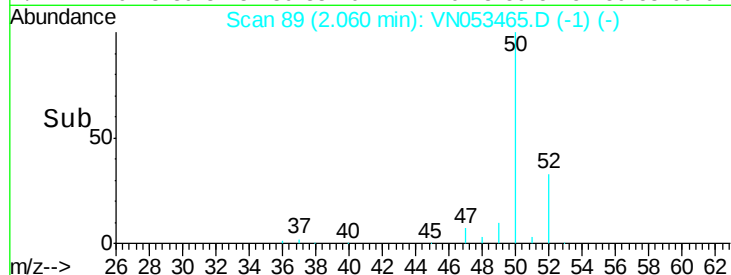
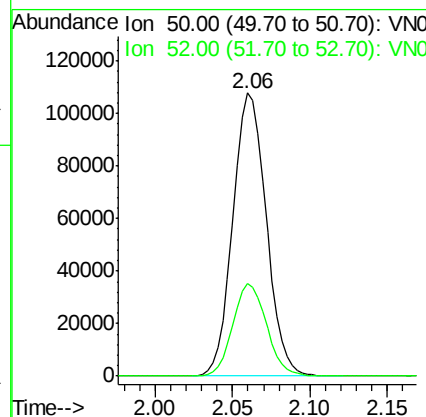
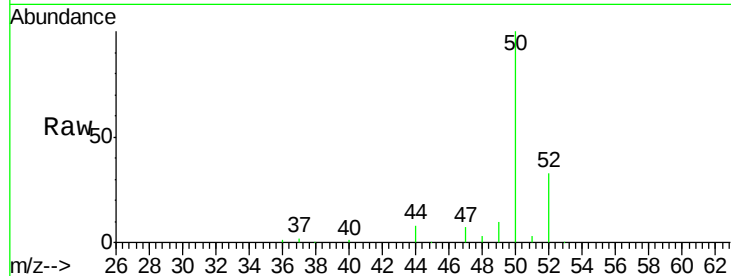
52 32.5 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.350 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053465.D

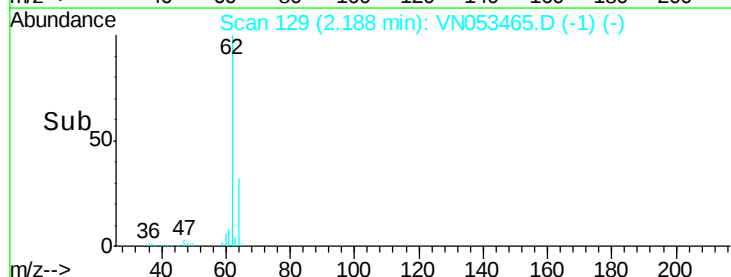
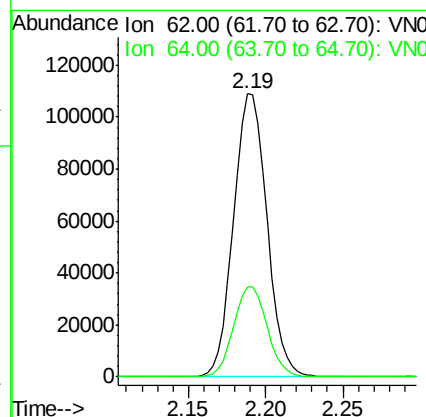
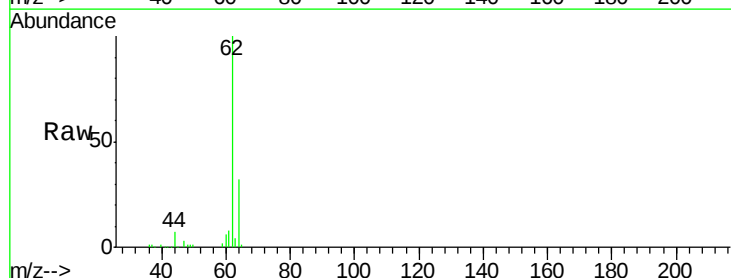
Acq: 18 Jan 2019 11:47

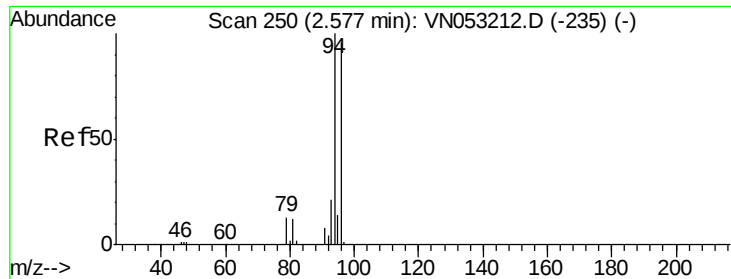
Tgt Ion: 62 Resp: 163273

Ion Ratio Lower Upper

62 100

64 32.1 24.2 36.4





#5

Bromomethane

Concen: 17.209 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

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ClientSampleId :

VN0118WBSD01

Tot Ion: 94 Resp: 110798

Ion Ratio Lower Upper

94 100

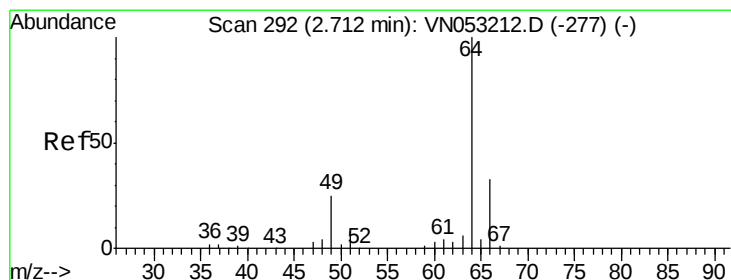
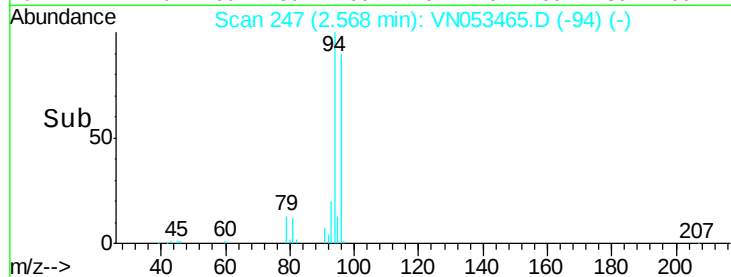
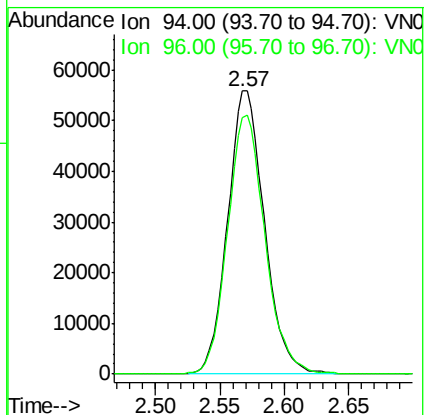
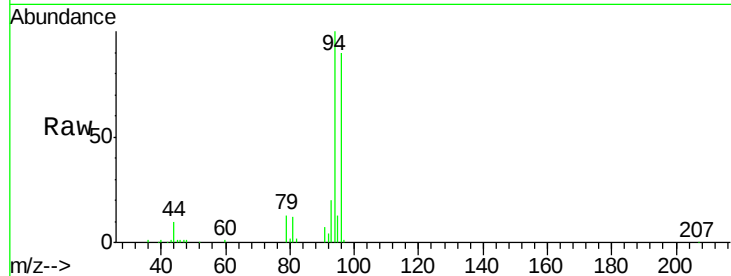
96 90.1 76.2 114.2

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#6

Chloroethane

Concen: 16.964 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053465.D

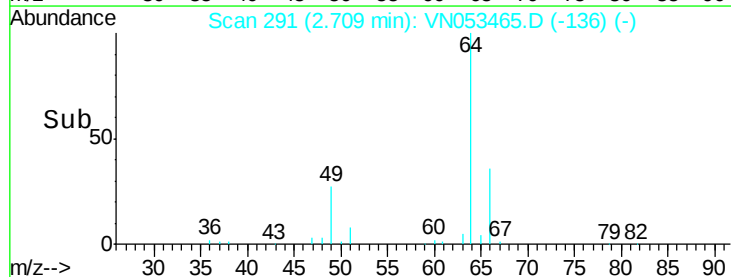
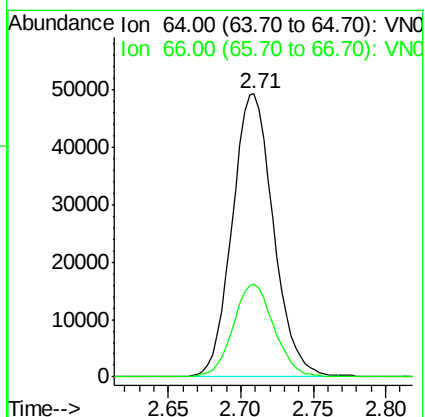
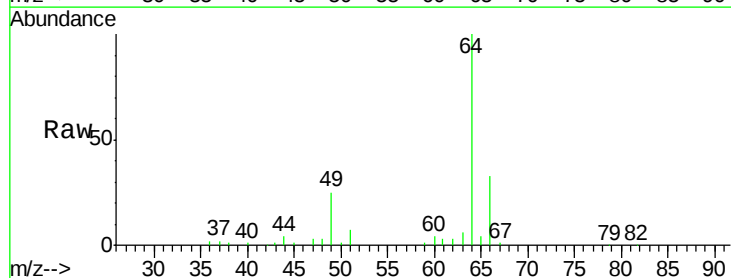
Acq: 18 Jan 2019 11:47

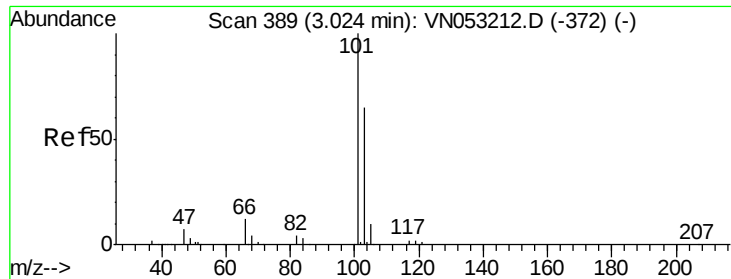
Tgt Ion: 64 Resp: 97585

Ion Ratio Lower Upper

64 100

66 33.0 25.6 38.4





#7

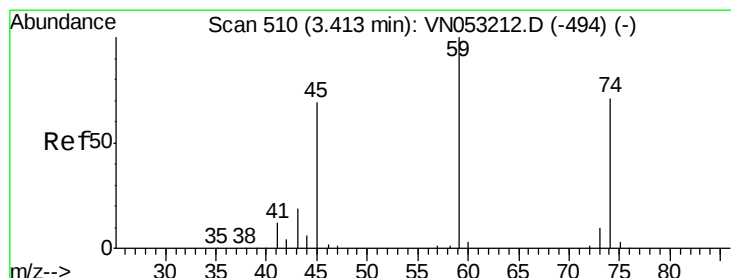
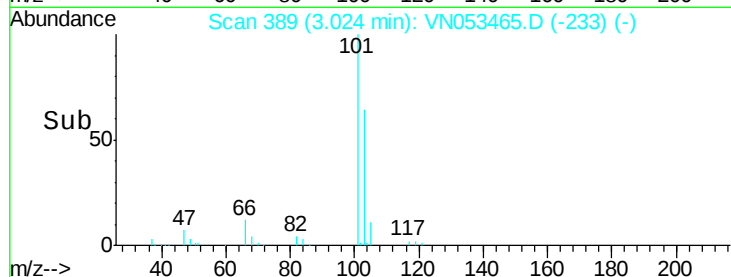
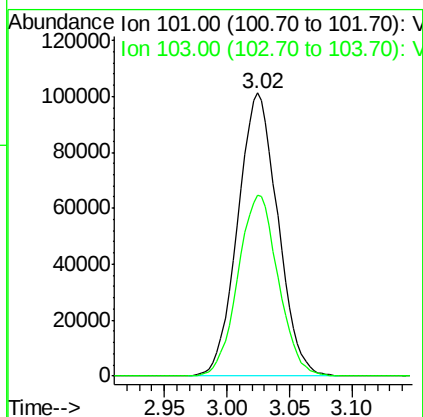
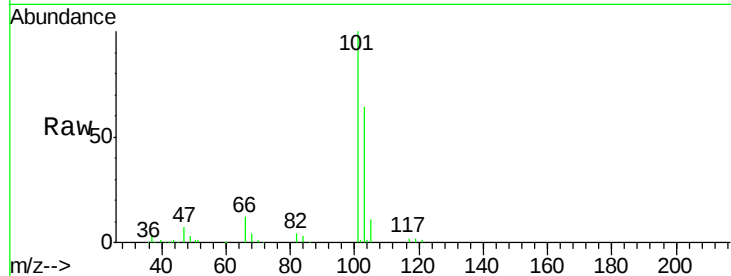
Trichlorofluoromethane
Concen: 18.226 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Instrument :
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ClientSampleId :
VN0118WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.1	78.1

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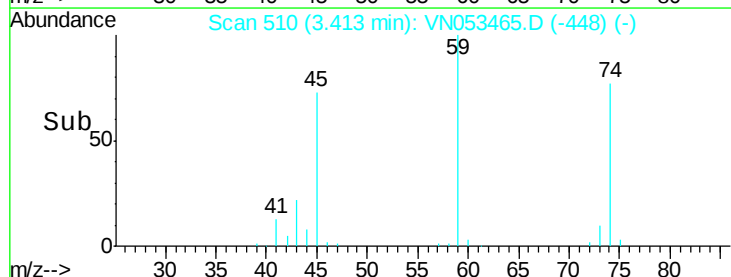
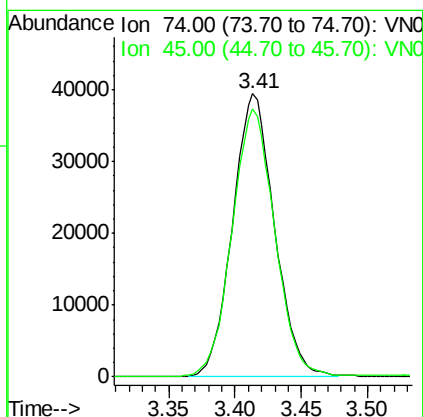
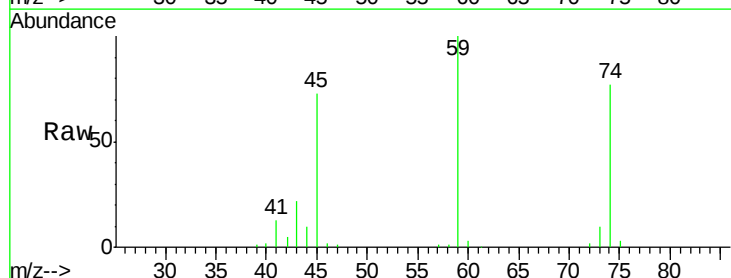
MMDadoda
1/21/2019 10:47:52 AM

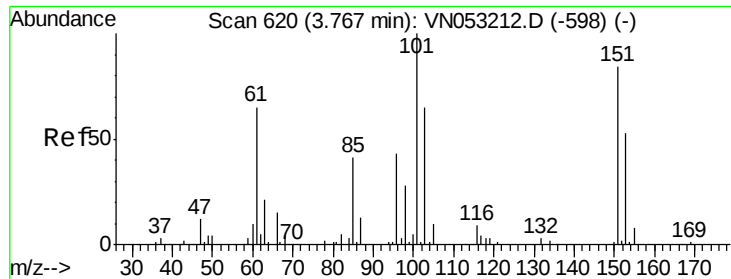


#8

Diethyl Ether
Concen: 18.874 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.857 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

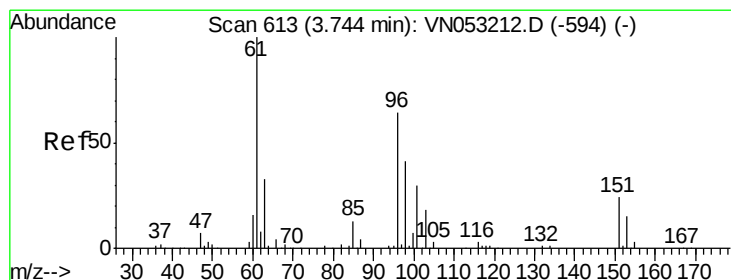
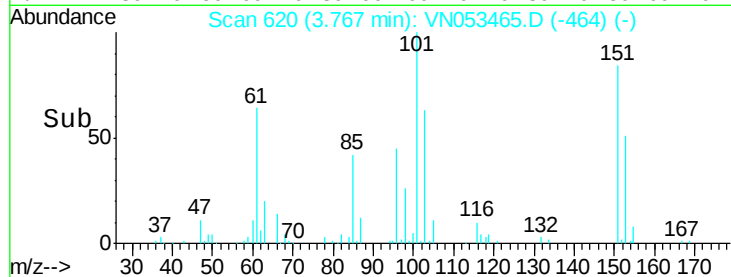
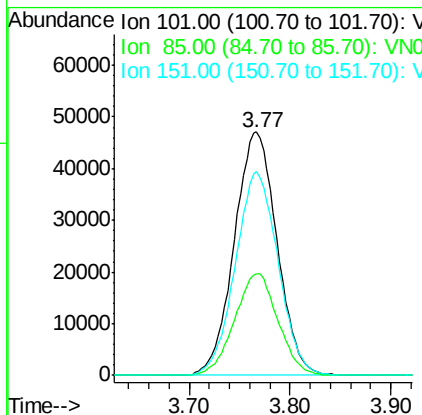
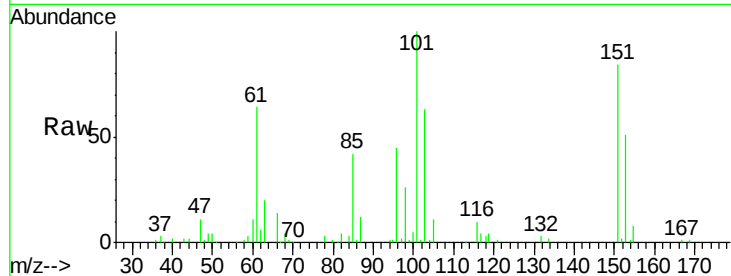
ClientSampleId :

VN0118WBSD01

Tot Ion:	101	Resp:	138361
Ion Ratio	Lower	Upper	
101	100		
85	42.3	0.0	82.6
151	83.9	0.0	158.4

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#10

1,1-Dichloroethene

Concen: 17.749 ug/l

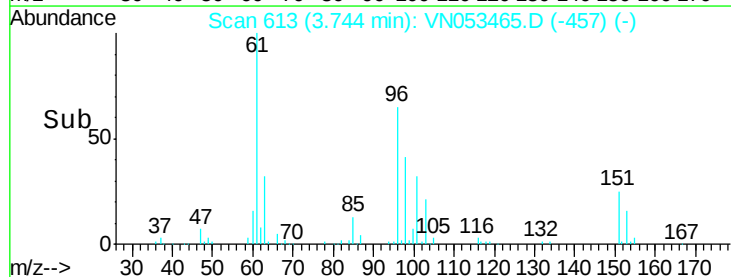
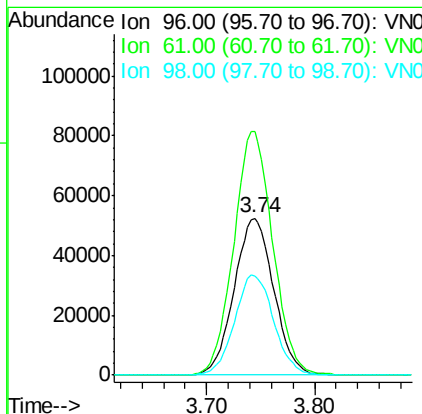
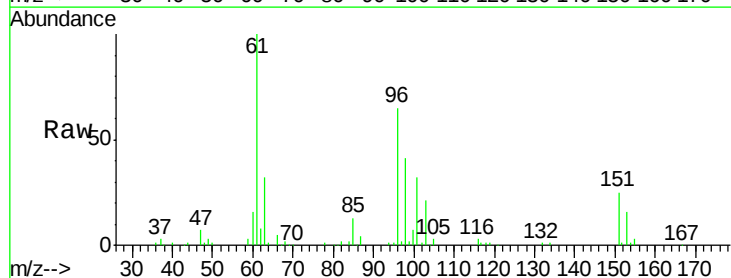
RT: 3.74 min Scan# 613

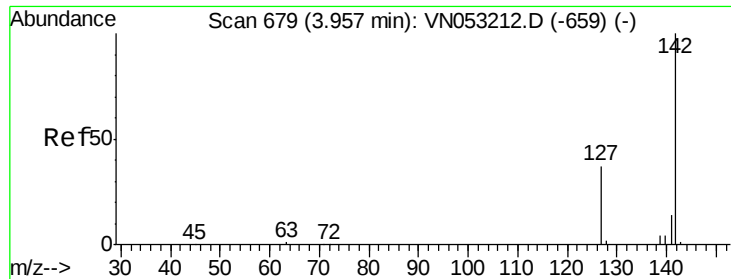
Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Tgt Ion:	96	Resp:	134200
Ion Ratio	Lower	Upper	
96	100		
61	154.9	129.4	194.2
98	62.9	50.4	75.6





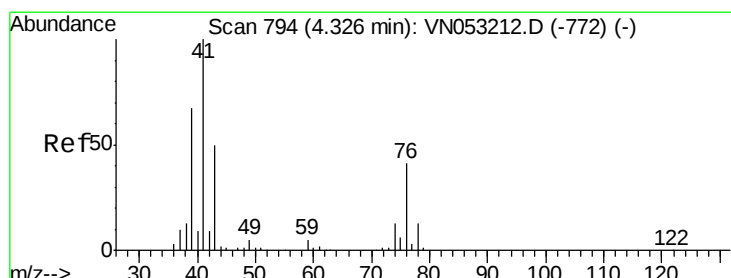
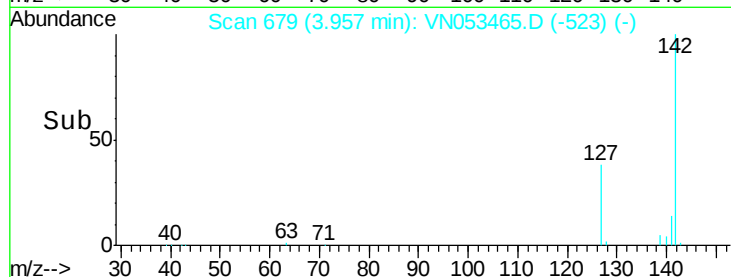
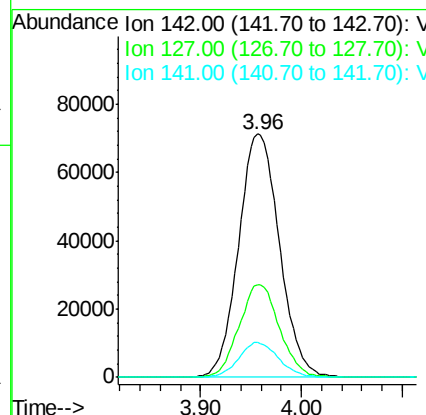
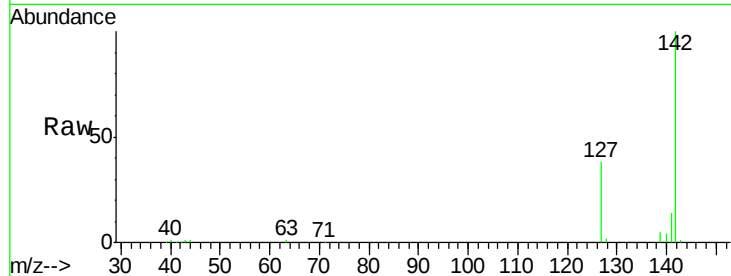
#11
Methyl Iodide
Concen: 18.088 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.0	19.4	58.1
141	14.3	7.2	21.6

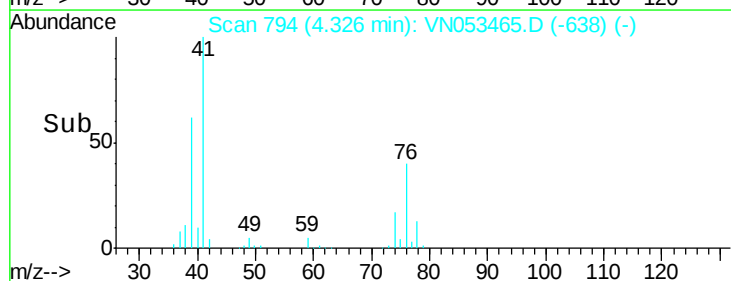
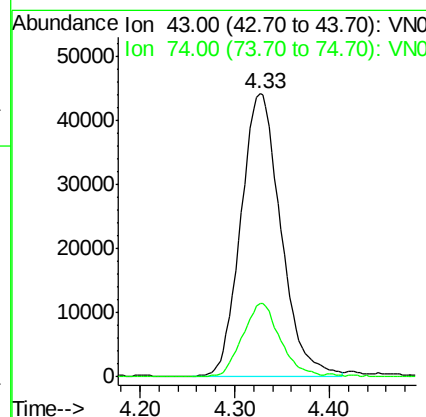
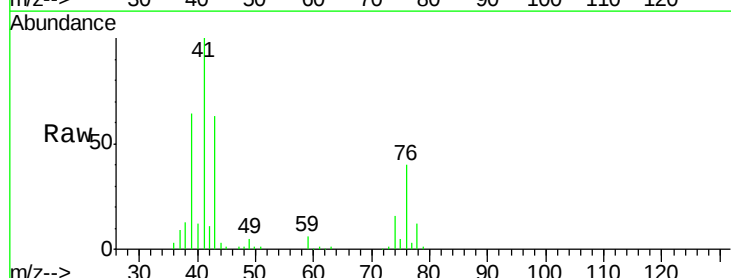
Manual Integrations
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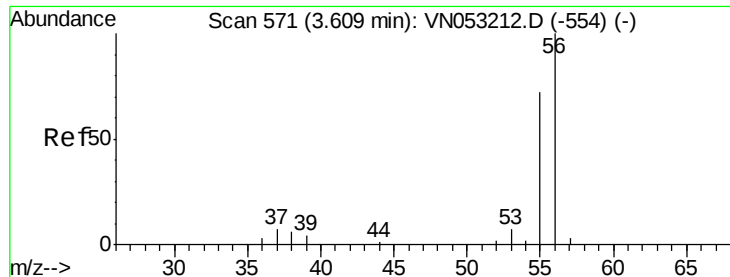
MMDadoda
1/21/2019 10:47:52 AM



#12
Methyl Acetate
Concen: 22.135 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.1	18.9	28.3





#13

Acrolein

Concen: 99.645 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBSD01

Tot Ion: 56 Resp: 70113

Ion Ratio Lower Upper

56 100

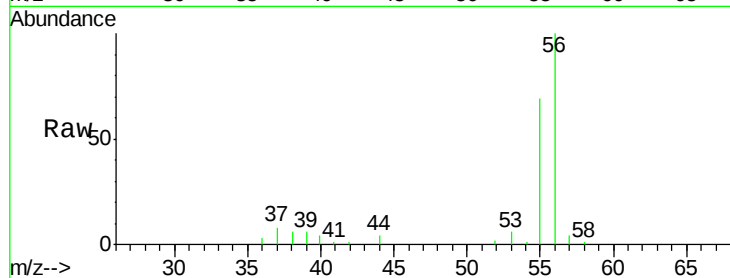
55 70.9 56.7 85.1

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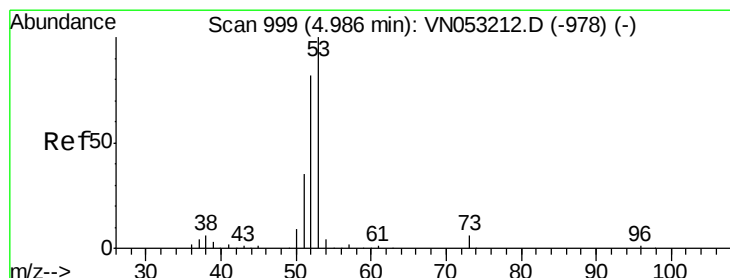
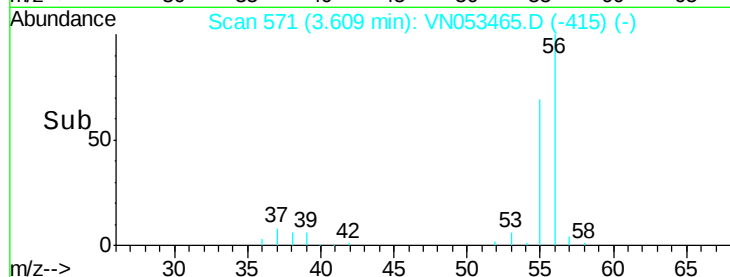
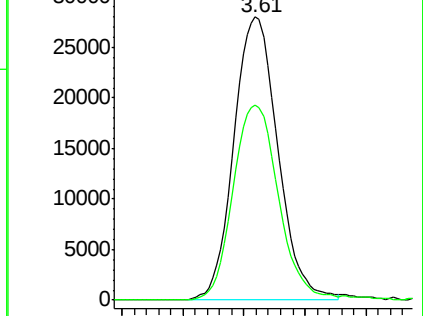
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 104.272 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

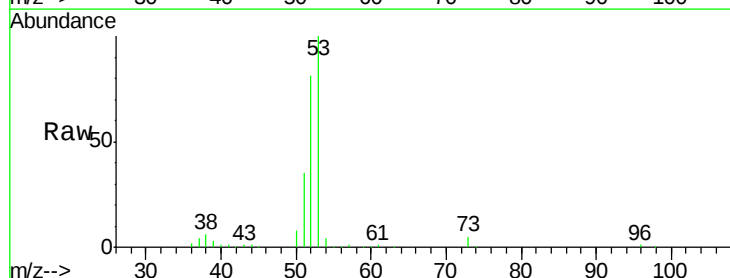
Tgt Ion: 53 Resp: 274914

Ion Ratio Lower Upper

53 100

52 81.1 39.9 119.7

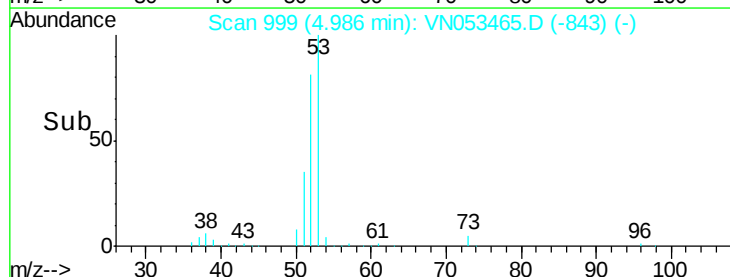
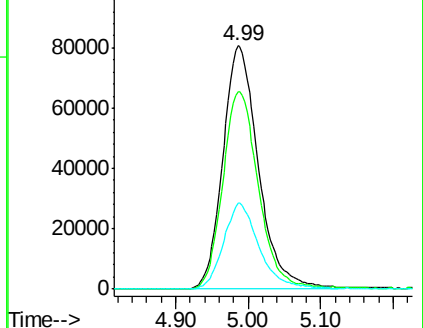
51 34.9 17.6 52.9

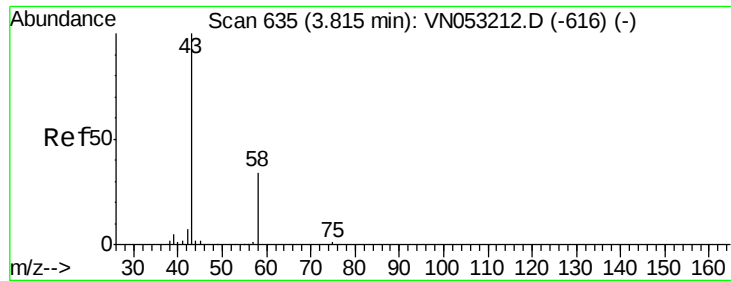


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 116.179 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBSD01

Tot Ion: 58 Resp: 65099

Ion Ratio Lower Upper

58 100

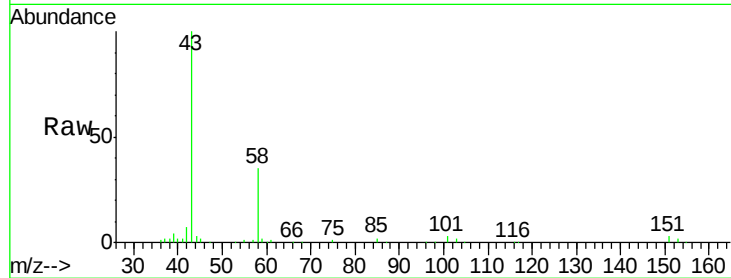
43 283.8 243.6 365.4

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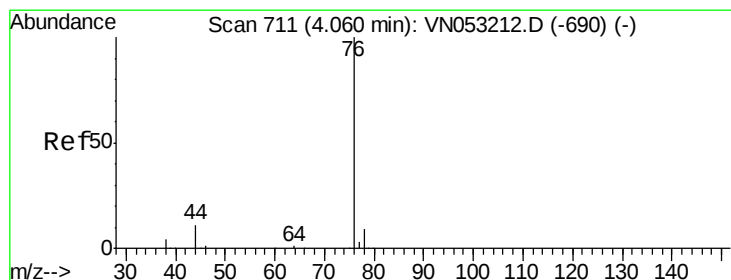
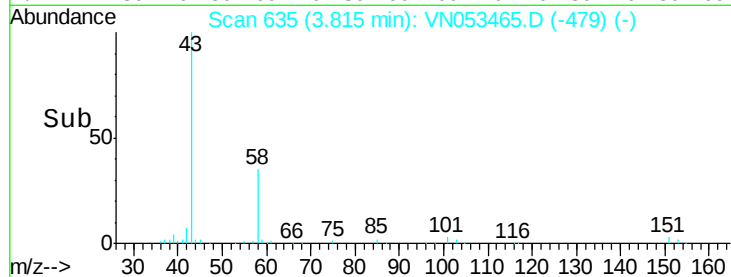
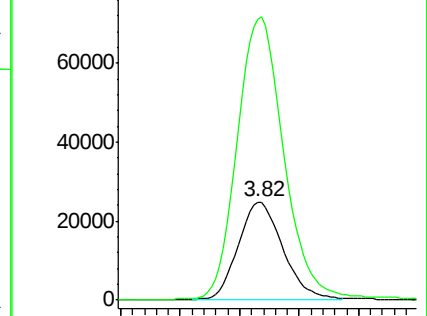
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 16.176 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053465.D

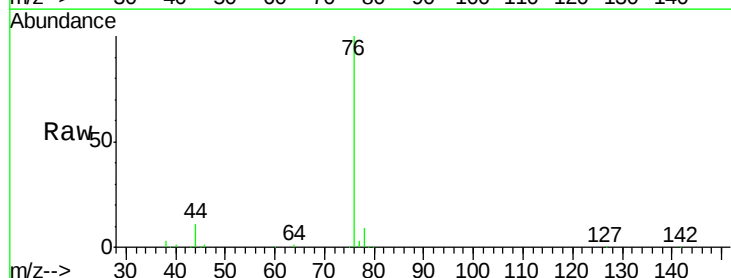
Acq: 18 Jan 2019 11:47

Tgt Ion: 76 Resp: 376255

Ion Ratio Lower Upper

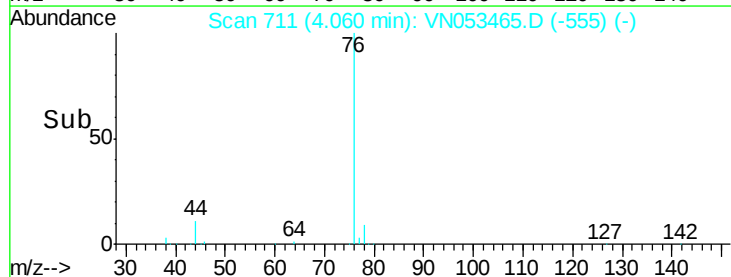
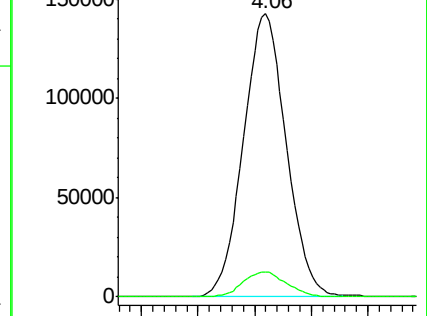
76 100

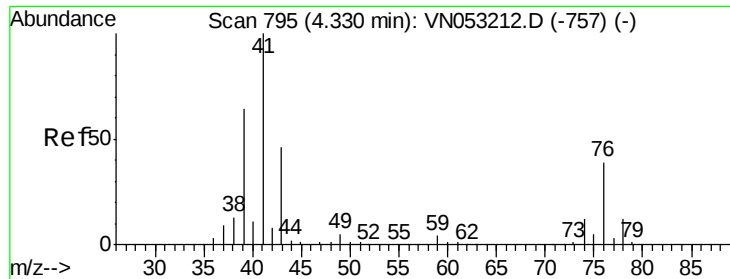
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





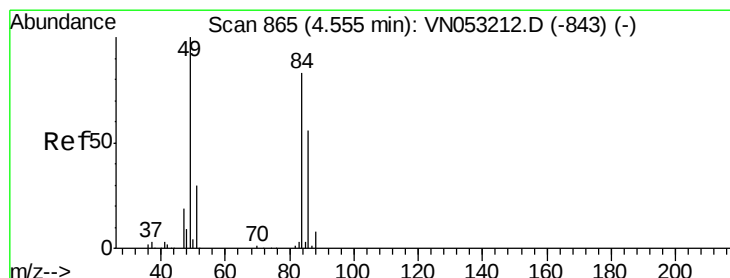
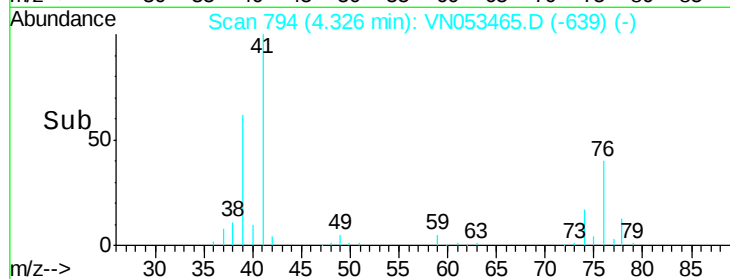
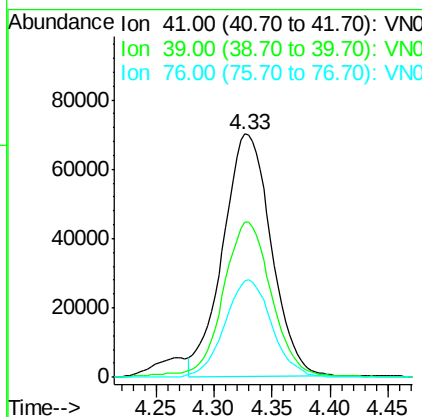
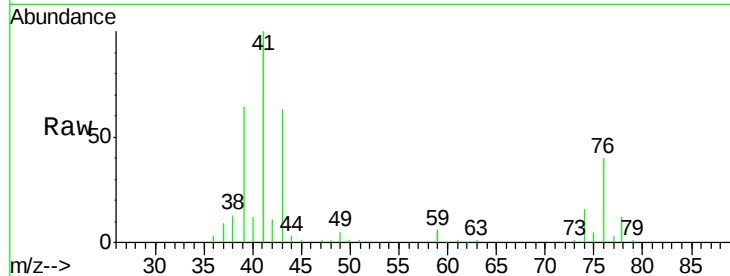
#17
Allvl chloride
Concen: 16.949 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

Tot Ion:	41	Resp:	201610
Ion Ratio	Lower	Upper	
41	100		
39	63.7	32.8	98.3
76	39.6	18.6	55.8

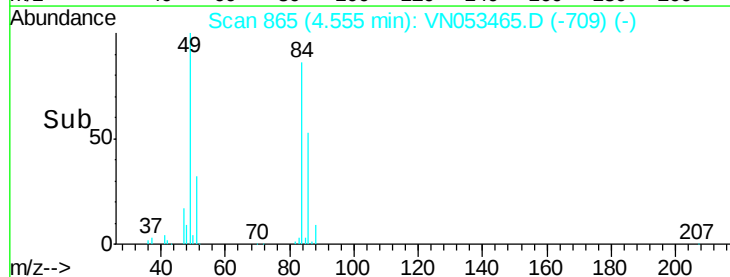
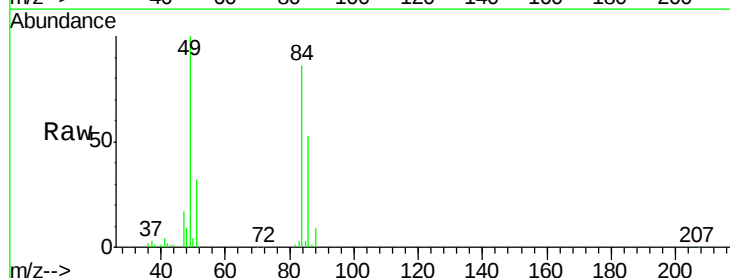
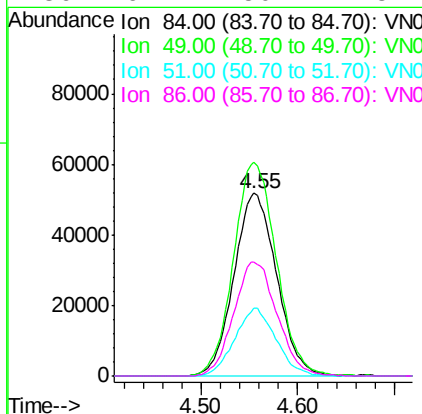
Manual Integrations
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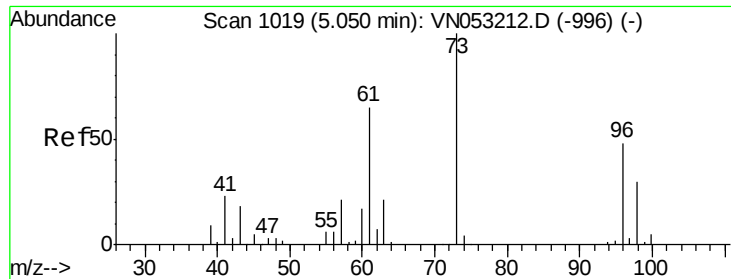
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#18
Methylene Chloride
Concen: 18.383 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion:	84	Resp:	159084
Ion Ratio	Lower	Upper	
84	100		
49	116.5	101.4	152.0
51	37.2	31.7	47.5
86	62.2	50.1	75.1





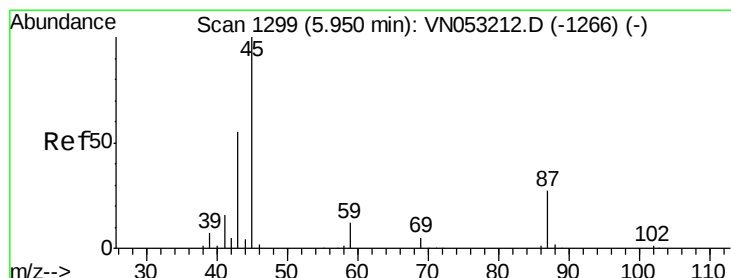
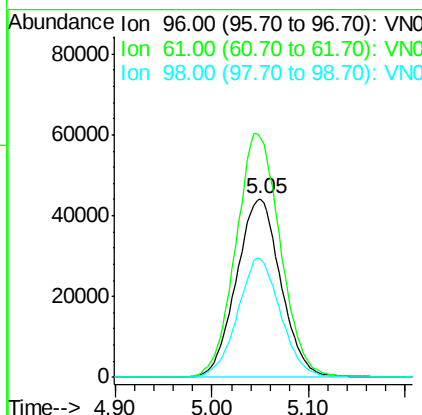
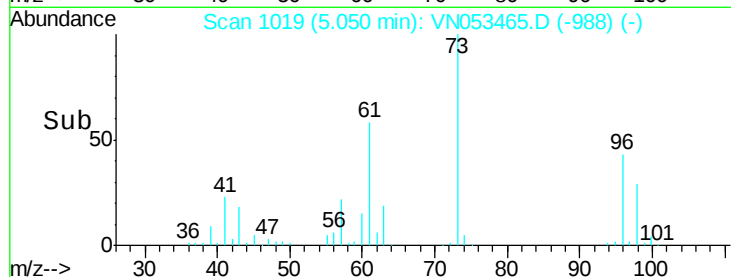
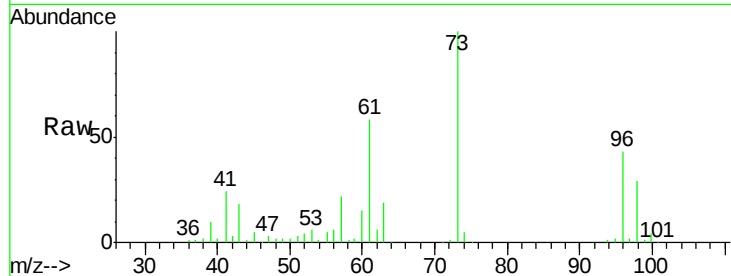
#19
trans-1,2-Dichloroethene
Concen: 17.641 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	118.2	177.4
98	66.6	51.4	77.2

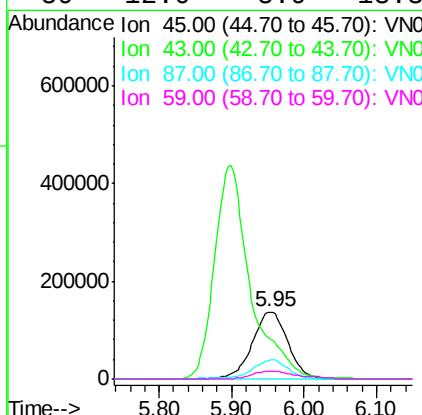
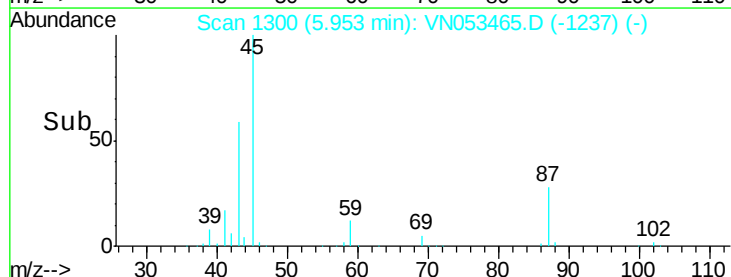
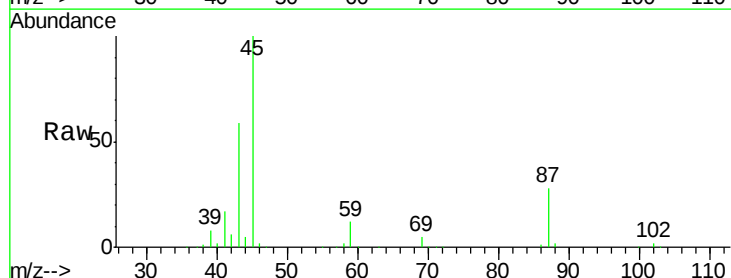
Manual Integrations
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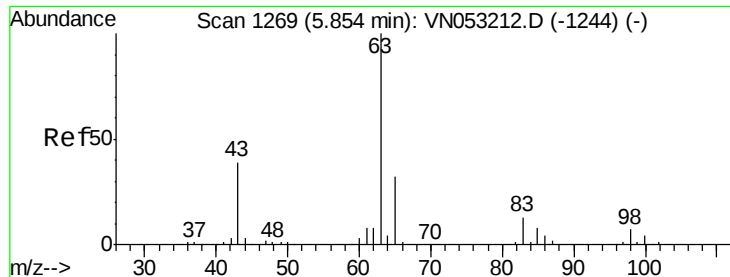
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#20
Diisopropyl ether
Concen: 18.378 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.0	47.8	71.8
87	27.9	21.3	31.9
59	12.0	8.9	13.3





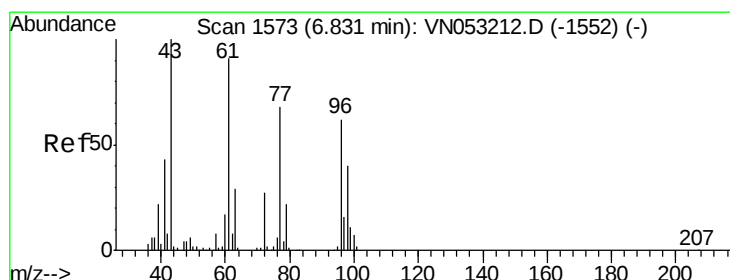
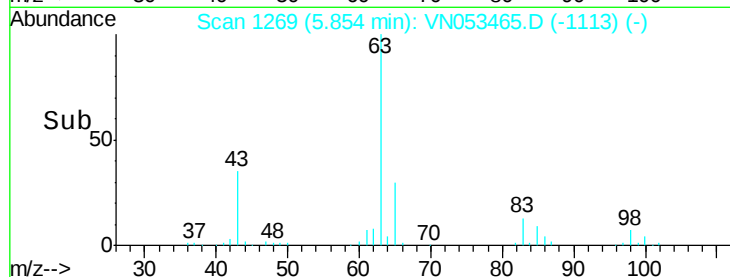
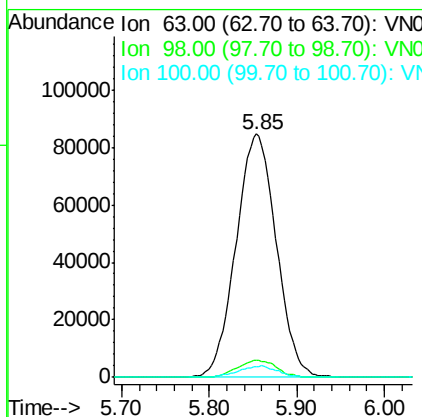
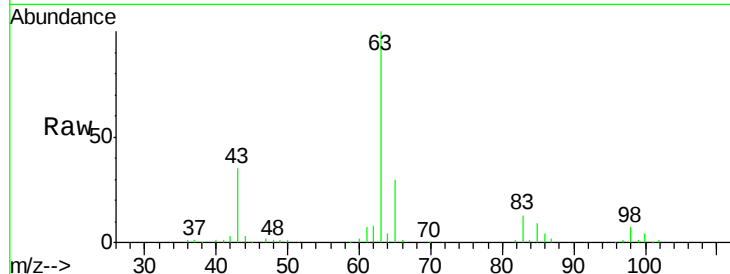
#21
 1,1-Dichloroethane
 Concen: 18.248 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	270661		
98	7.1		3.0	9.2
100	4.5		1.8	5.5

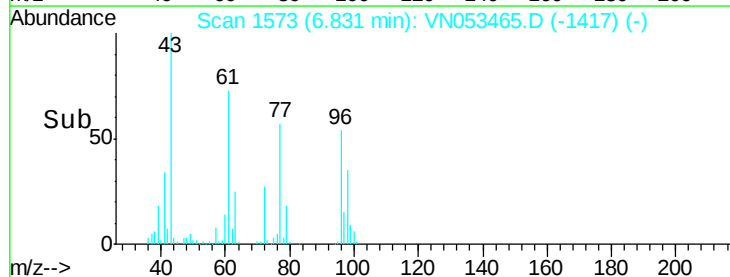
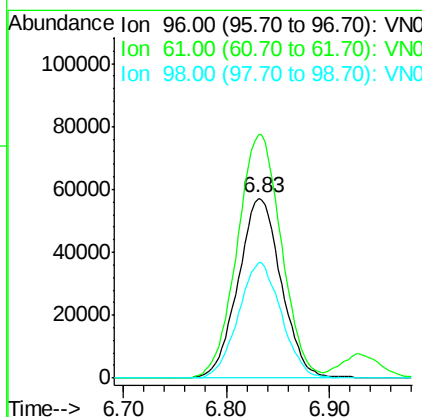
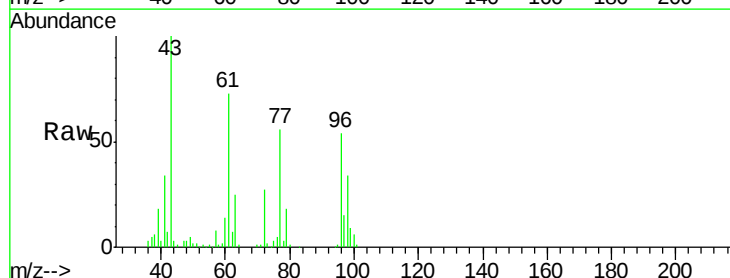
Manual Integrations
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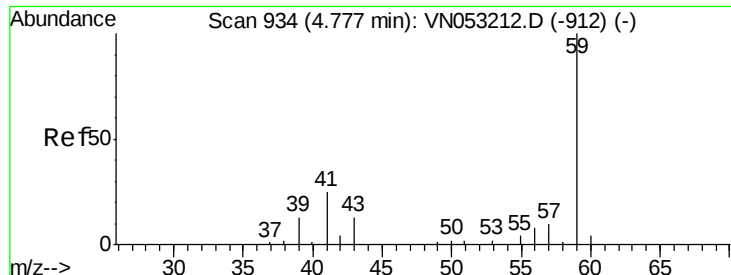
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#22
 cis-1,2-Dichloroethene
 Concen: 18.401 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	165635		
61	139.1		116.7	175.1
98	64.2		50.8	76.2





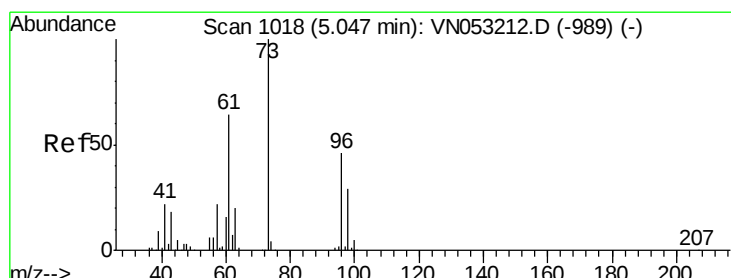
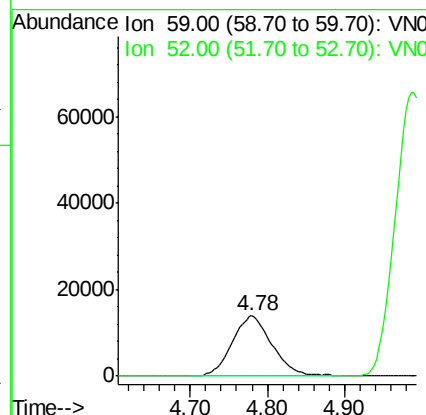
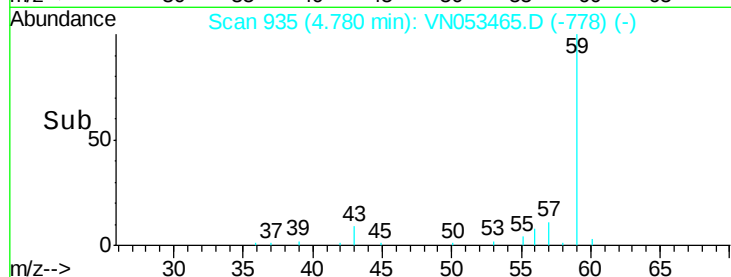
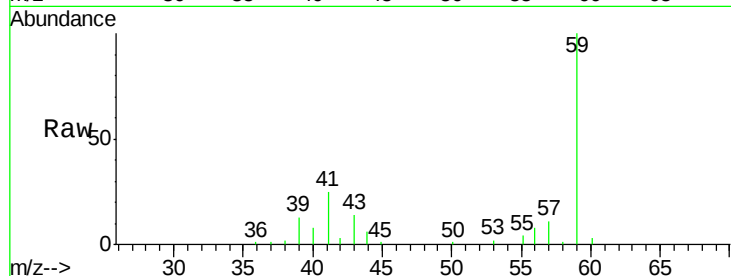
#23
tert-Butyl Alcohol
Concen: 112.545 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0118WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

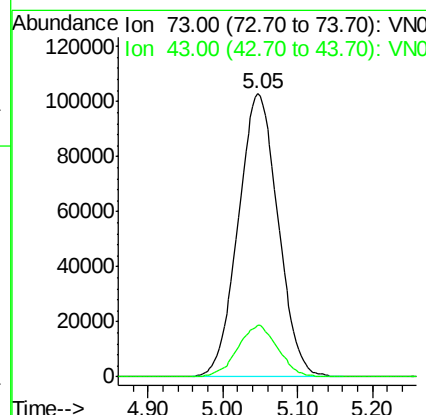
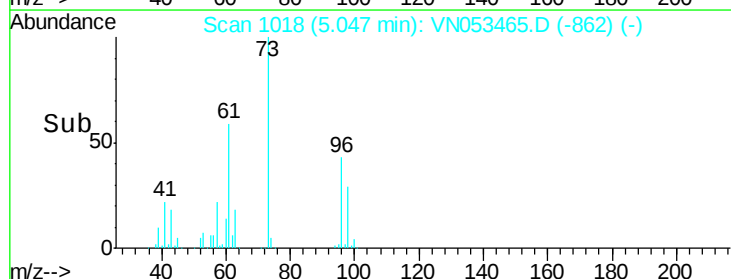
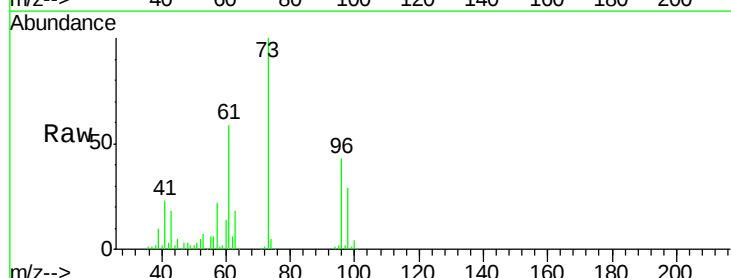
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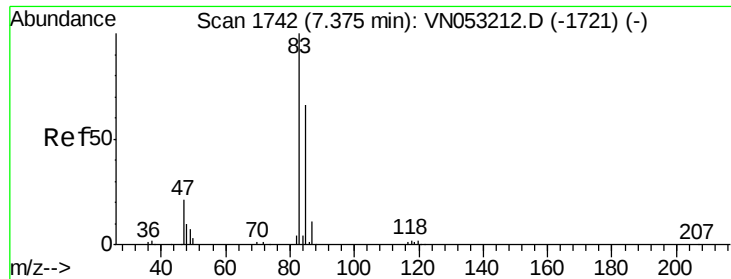
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#24
Methyl tert-Butyl Ether
Concen: 19.308 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.0	15.8	23.8





#25

Chloroform

Concen: 18.777 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBSD01

Tot Ion: 83 Resp: 267705

Ion Ratio Lower Upper

83 100

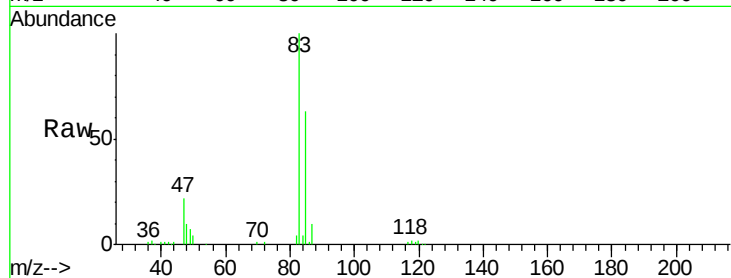
85 62.7 51.7 77.5

Manual Integrations

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Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

120000

100000

80000

60000

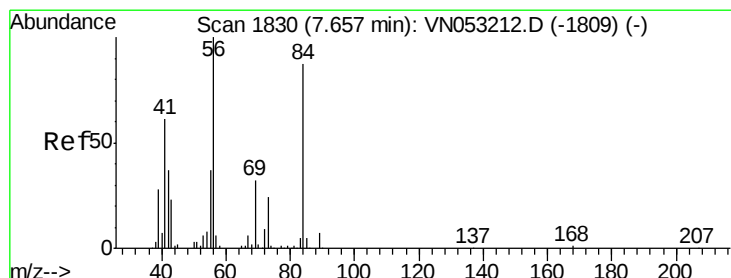
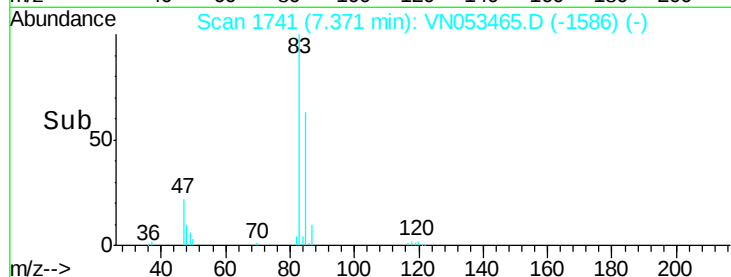
40000

20000

0

7.30 7.40 7.50

Time-->



#26

Cyclohexane

Concen: 17.175 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

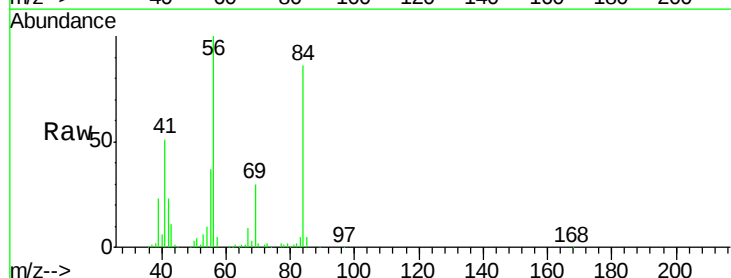
Tgt Ion: 56 Resp: 237597

Ion Ratio Lower Upper

56 100

89 0.1 0.5 0.7#

84 84.9 66.2 99.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

150000

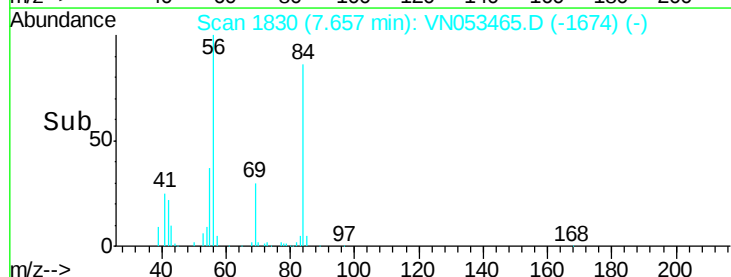
100000

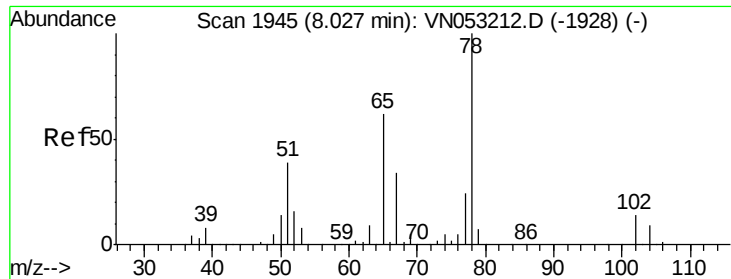
50000

0

7.55 7.60 7.65 7.70

Time-->





#27

1,2-Dichloroethane-d4

Concen: 17.175 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBSD01

Tot Ion: 65 Resp: 251814

Ion Ratio Lower Upper

65 100

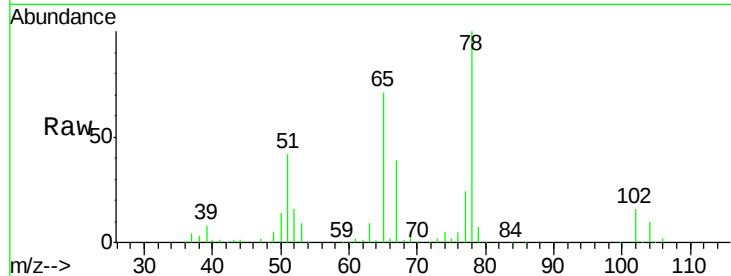
67 54.3 44.6 66.8

Manual Integrations

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Abundance Ion 65.00 (64.70 to 65.70): VN053212.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN053212.D (-1928) (-)

8.03

120000

100000

80000

60000

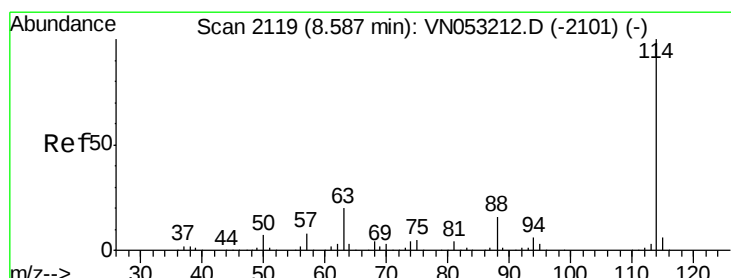
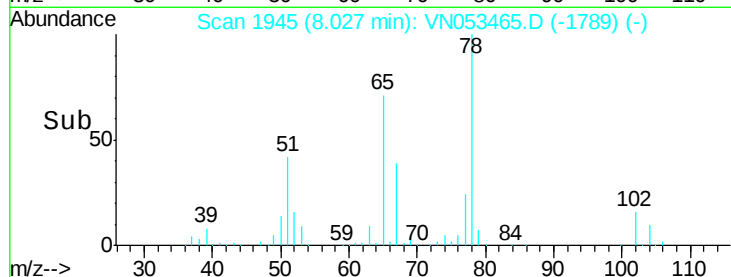
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

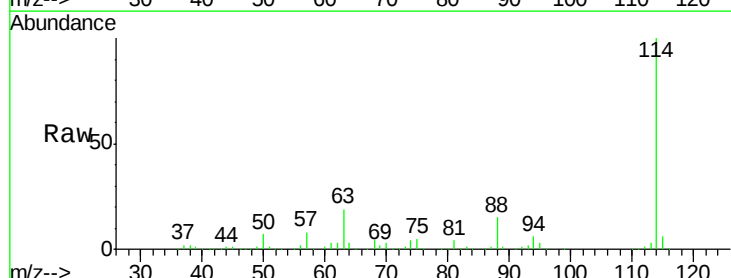
Tgt Ion: 114 Resp: 729562

Ion Ratio Lower Upper

114 100

63 19.1 16.9 25.3

88 15.4 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): VN053212.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN053212.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN053212.D (-2101) (-)

8.59

500000

400000

300000

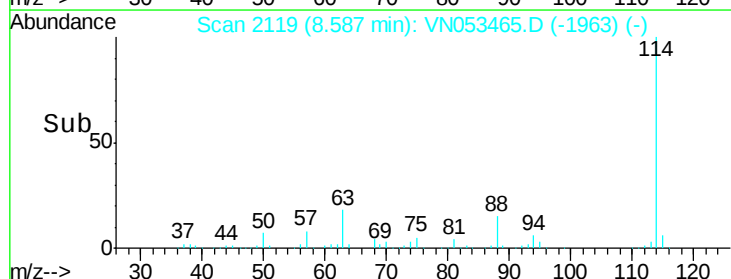
200000

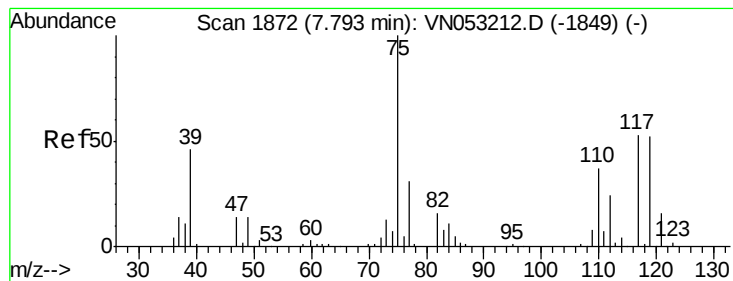
100000

0

8.50 8.60 8.70

Time-->





#29

1,1-Dichloropropene

Concen: 18.326 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

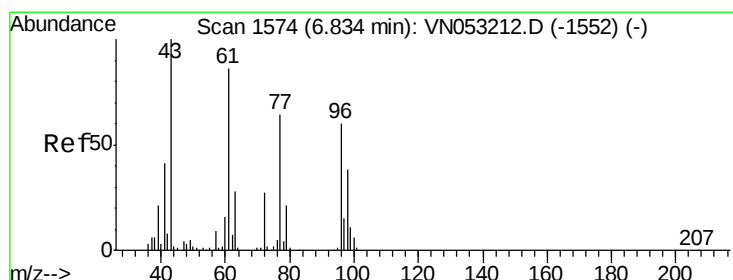
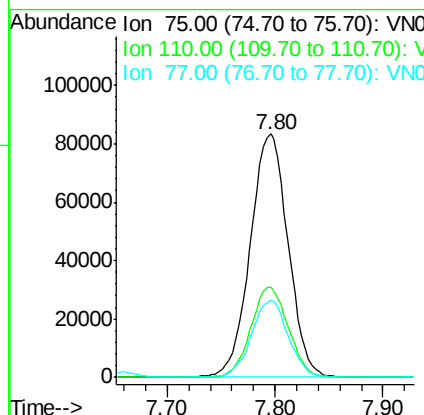
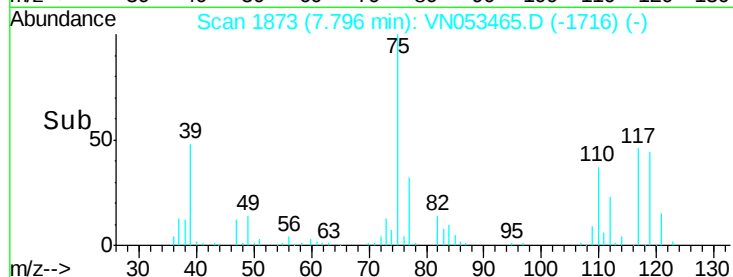
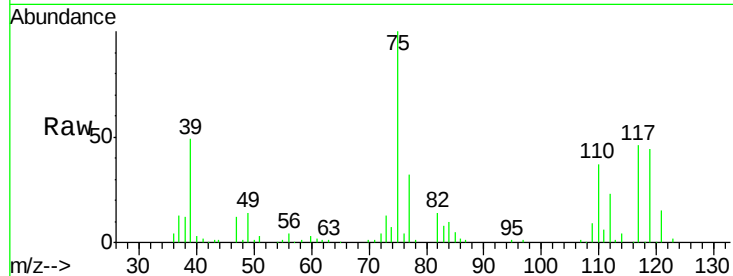
ClientSampled :

VN0118WBSD01

Tot Ion:	75	Resp:	202525
Ion Ratio	Lower	Upper	
75	100		
110	36.7	0.0	70.2
77	31.2	0.0	62.6

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#30

2-Butanone

Concen: 112.568 ug/l

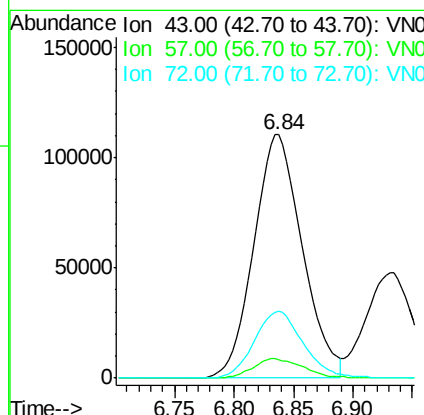
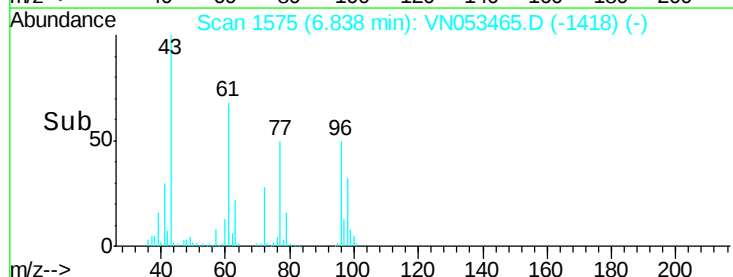
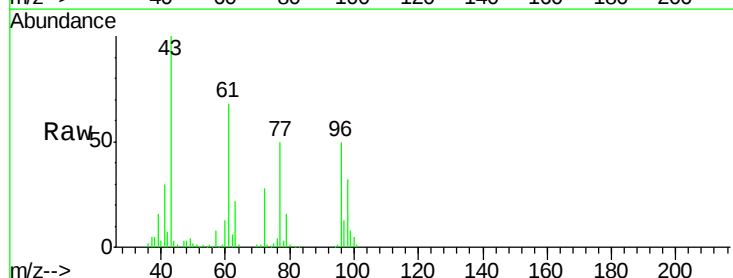
RT: 6.84 min Scan# 1575

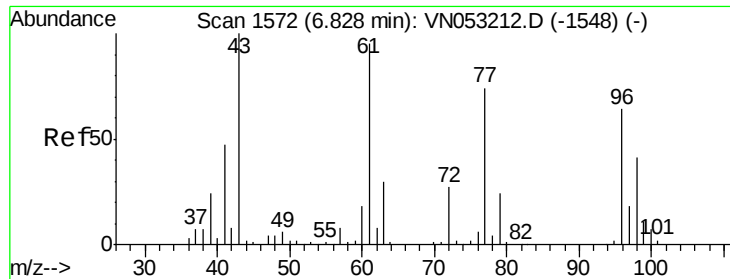
Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Tgt Ion:	43	Resp:	310359
Ion Ratio	Lower	Upper	
43	100		
57	8.3	6.2	9.4
72	27.7	21.0	31.6





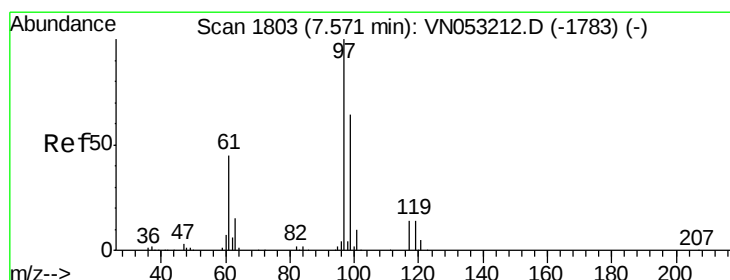
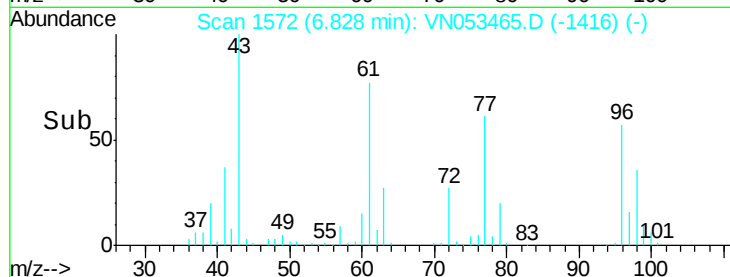
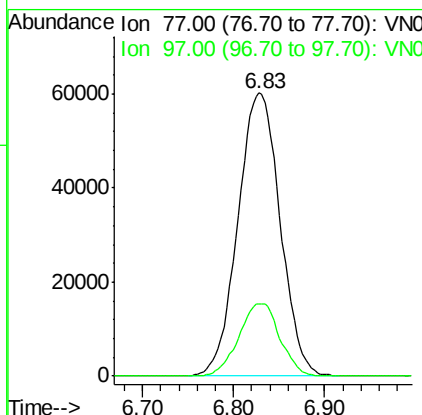
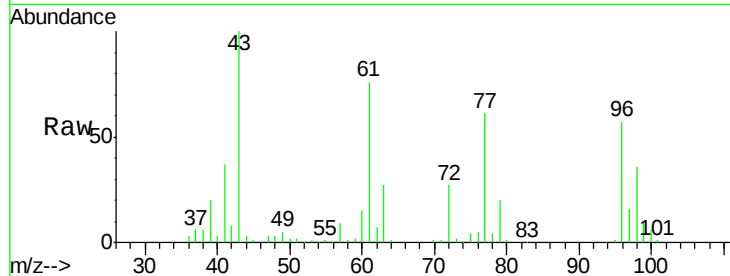
#31
 2,2-Dichloropropane
 Concen: 18.129 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

Tot Ion: 77 Resp: 193946
 Ion Ratio Lower Upper
 77 100
 97 24.9 18.7 28.1

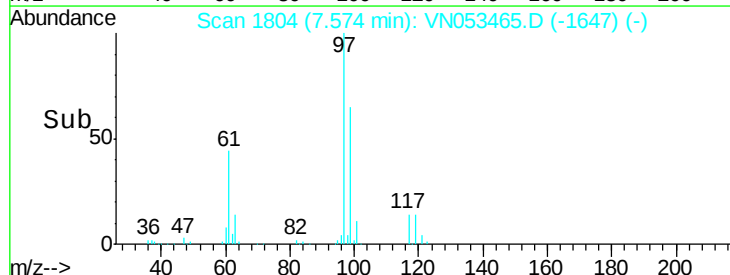
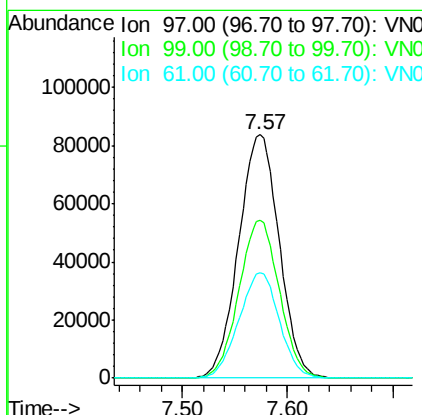
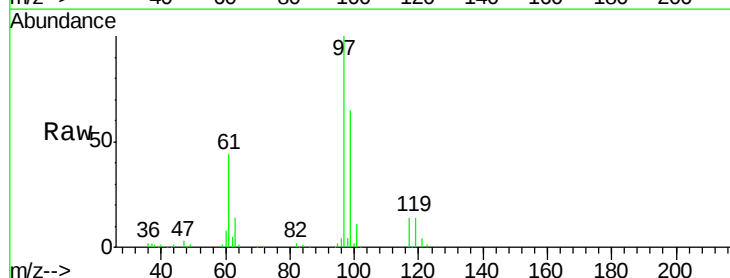
Manual Integrations
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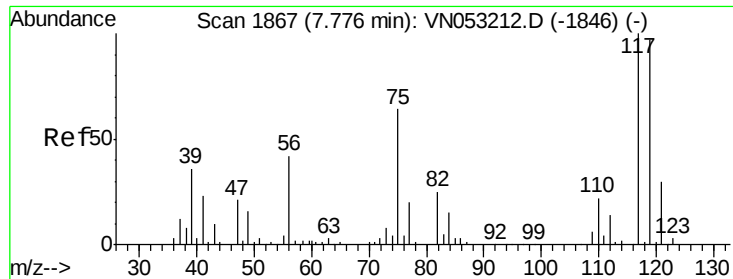
MMDadoda
 1/21/2019 10:47:52 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.391 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion: 97 Resp: 224519
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.9 76.3
 61 43.2 38.1 57.1





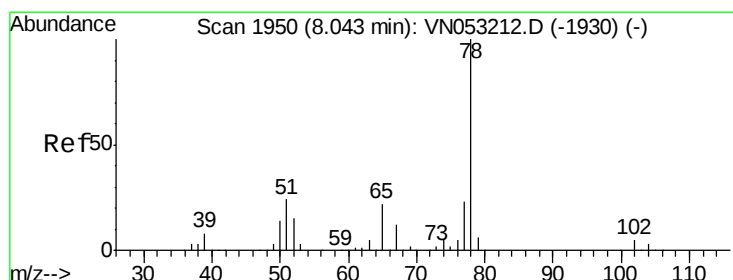
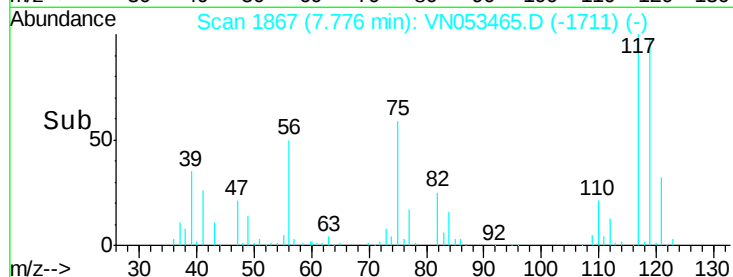
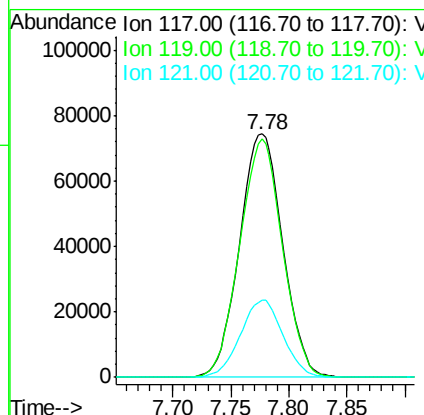
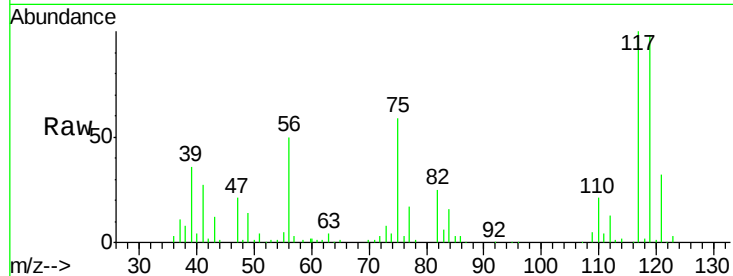
#33
Carbon Tetrachloride
Concen: 19.024 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Instrument :
MSVOA_N
ClientSampleID :
VN0118WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.3	115.9
121	31.9	24.9	37.3

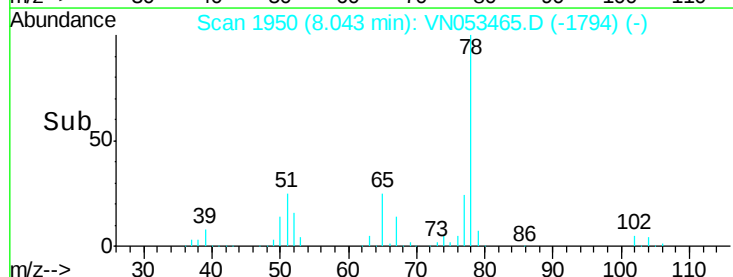
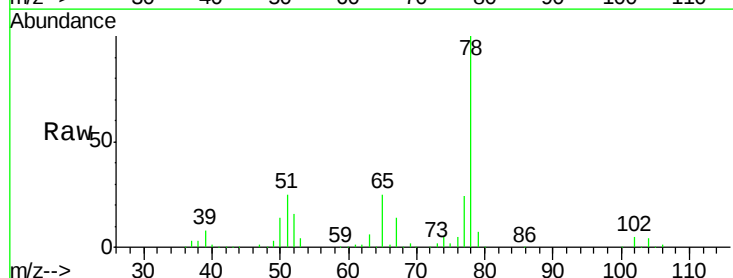
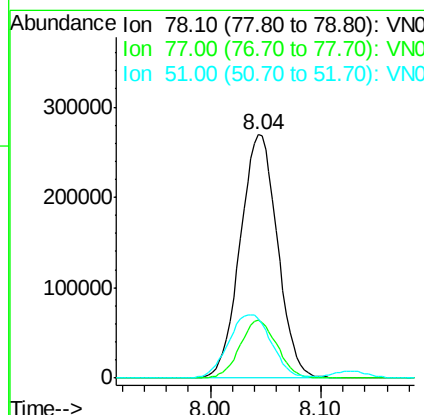
Manual Integrations
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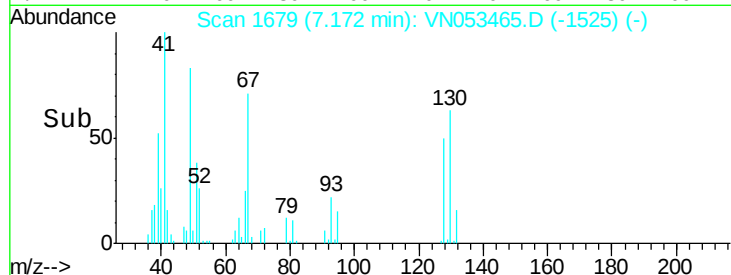
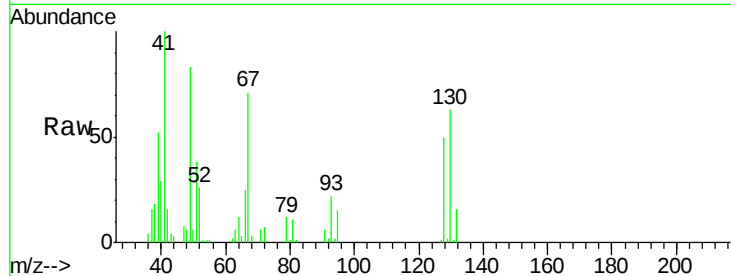
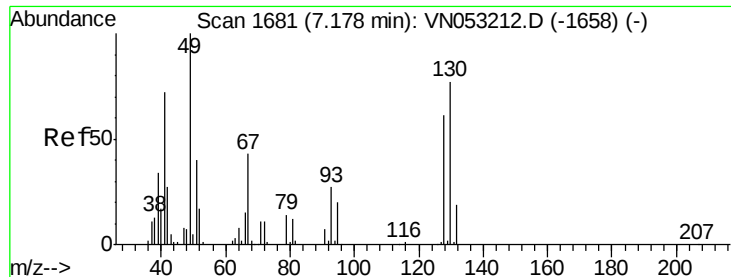
MMDadoda
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#34
Benzene
Concen: 19.010 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

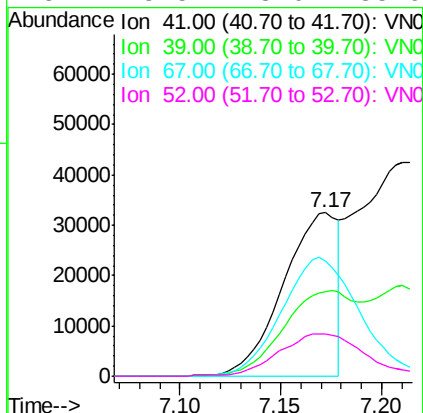
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6
51	24.5	20.5	30.7





#35
Methacrylonitrile
Concen: 17.201 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

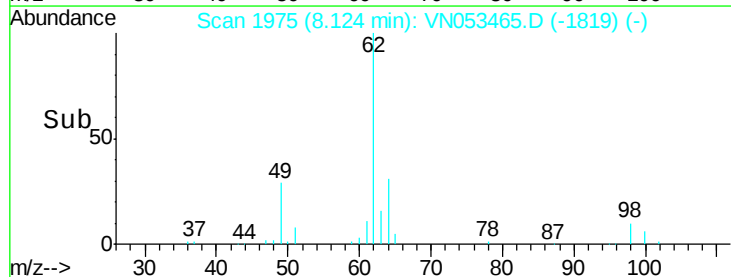
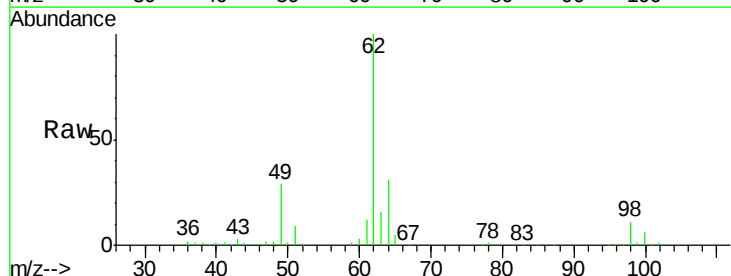
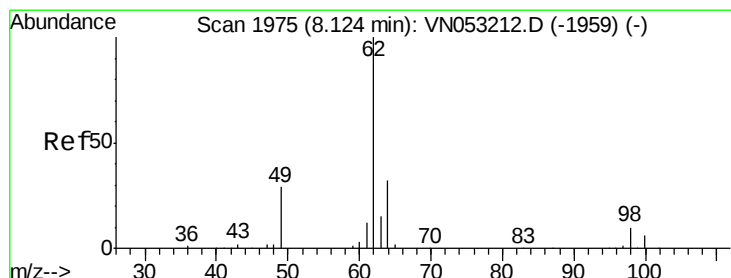
Tot Ion	Ratio	Lower	Upper
41	100		
39	51.5	26.6	79.7
67	70.7	32.3	96.9
52	25.5	13.0	38.9



Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

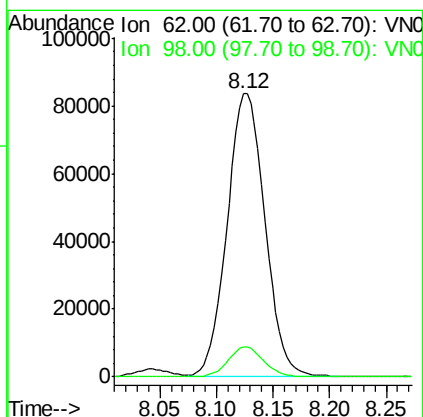
Manual Integrations
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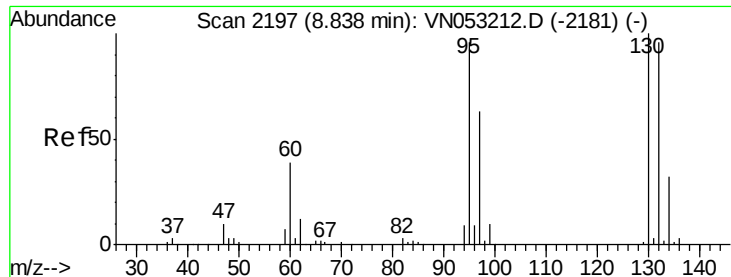
MMDadoda
1/21/2019 10:47:52 AM



#36
1,2-Dichloroethane
Concen: 20.210 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	7.4	11.2





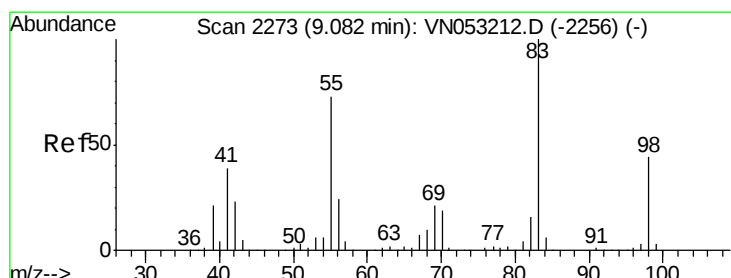
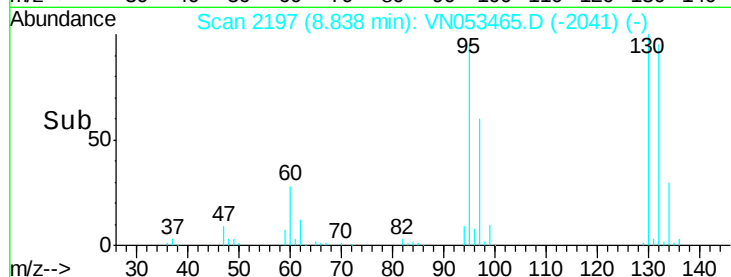
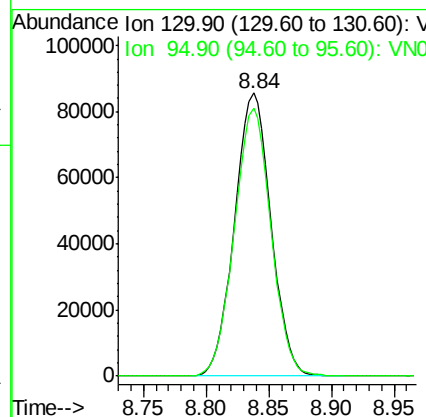
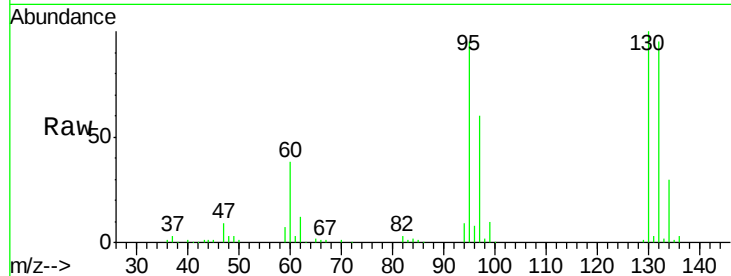
#37
 Trichloroethene
 Concen: 19.224 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

Tot Ion:130 Resp: 172964
 Ion Ratio Lower Upper
 130 100
 95 94.7 81.0 121.4

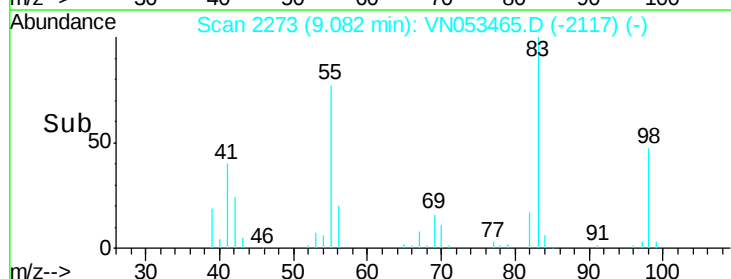
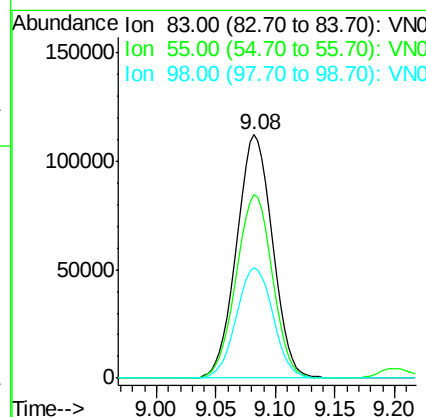
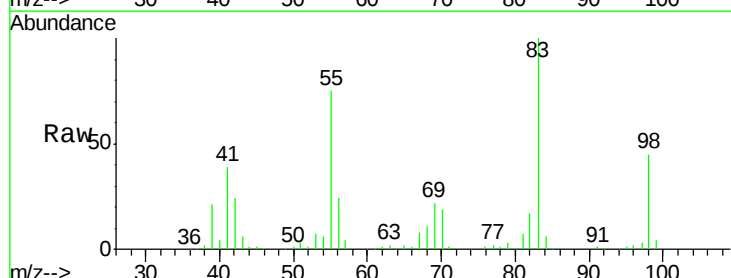
Manual Integrations
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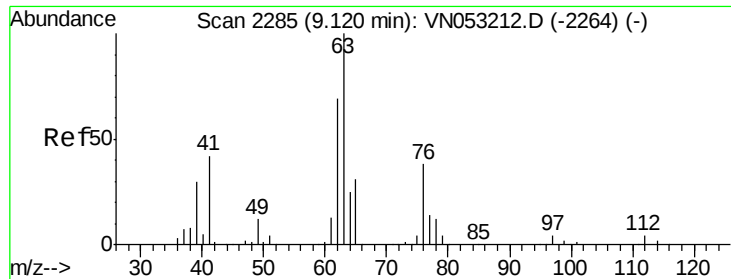
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#38
 Methylcyclohexane
 Concen: 18.218 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion: 83 Resp: 235479
 Ion Ratio Lower Upper
 83 100
 55 76.1 39.8 119.4
 98 46.1 22.9 68.5





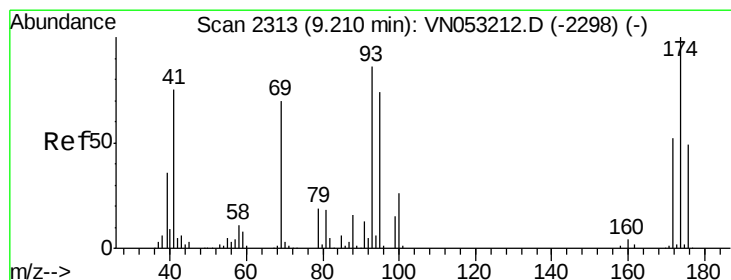
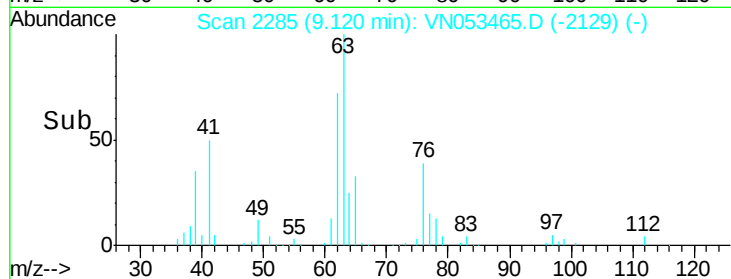
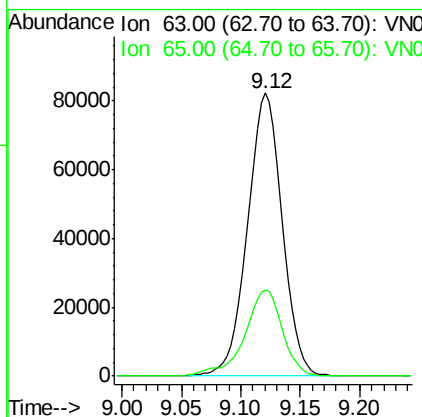
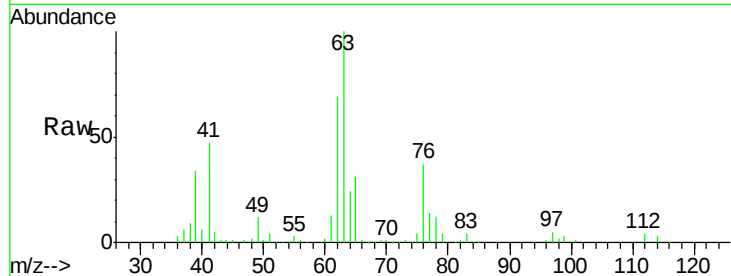
#39
 1,2-Dichloropropane
 Concen: 19.167 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

Tot Ion: 63 Resp: 166222
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.6 35.4

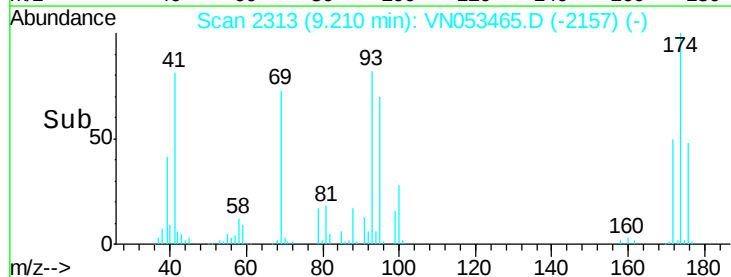
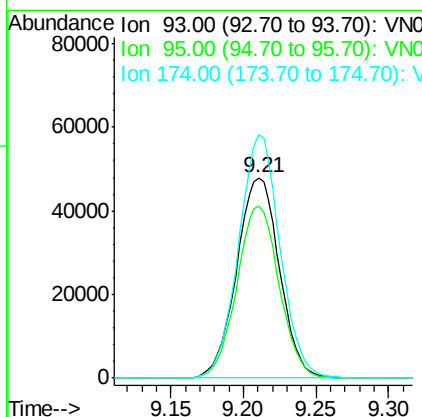
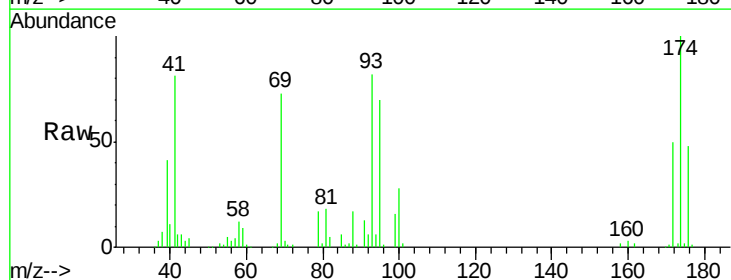
Manual Integrations
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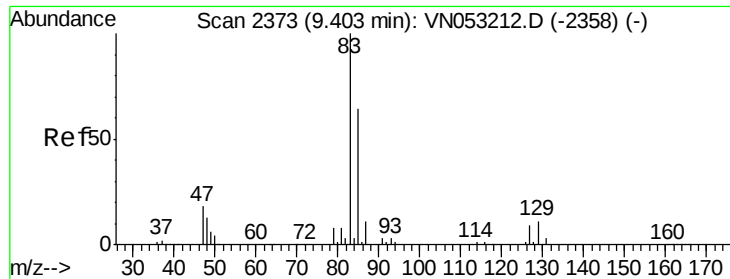
MMDadoda
 1/21/2019 10:47:52 AM



#40
 Dibromomethane
 Concen: 20.090 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion: 93 Resp: 98533
 Ion Ratio Lower Upper
 93 100
 95 84.8 0.0 168.4
 174 117.5 0.0 210.0





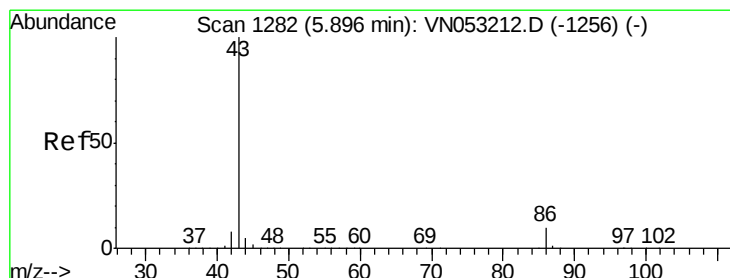
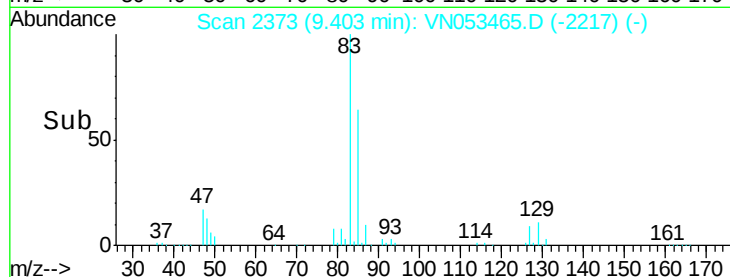
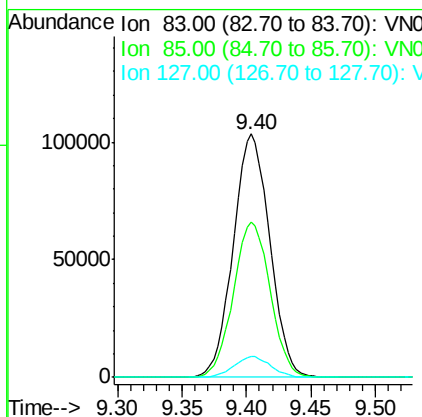
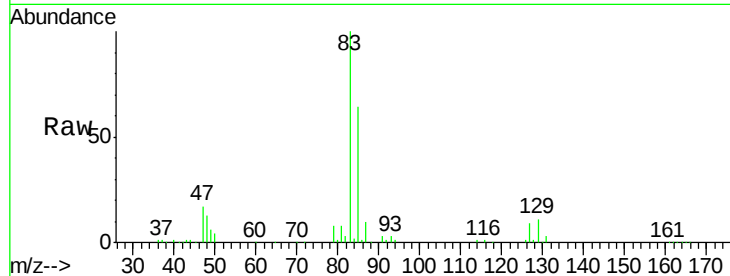
#41
 Bromodichloromethane
 Concen: 19.388 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

Tot Ion	83	Resp	204204
Ion Ratio	Lower	Upper	
83	100		
85	63.8	52.4	78.6
127	8.5	6.6	9.8

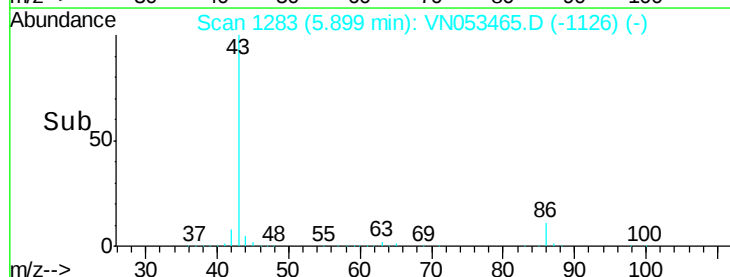
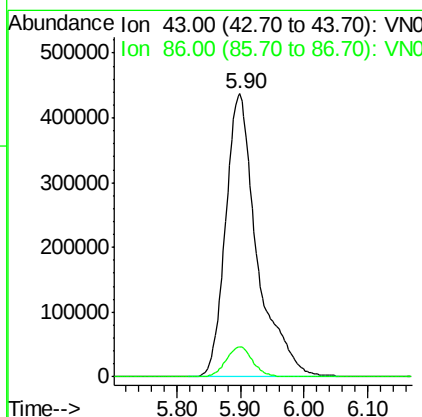
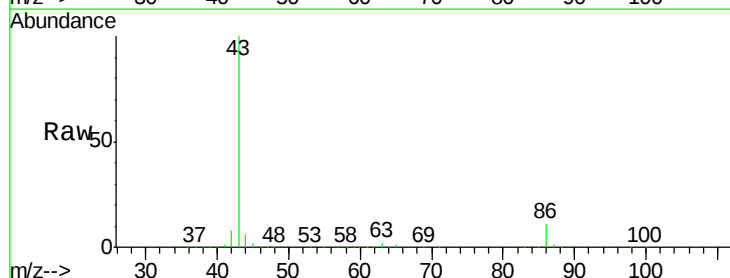
Manual Integrations
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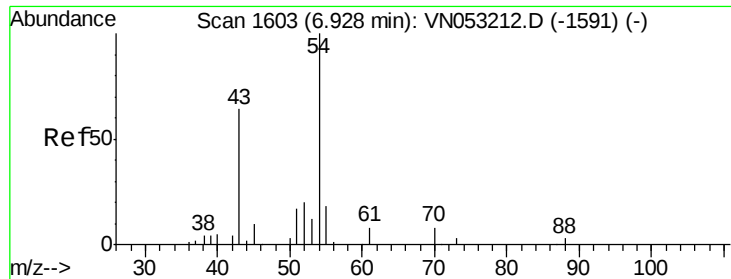
MMDadoda
 1/21/2019 10:47:52 AM



#42
 Vinyl Acetate
 Concen: 99.920 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion	43	Resp	1502955
Ion Ratio	Lower	Upper	
43	100		
86	9.1	6.5	9.7





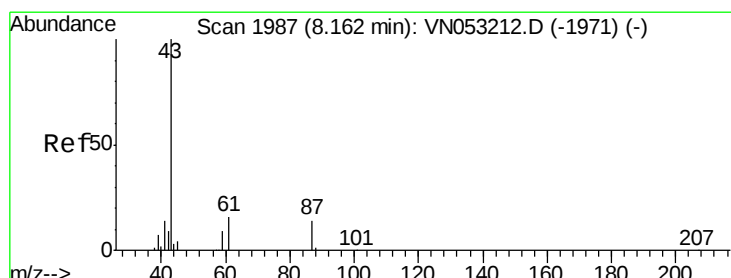
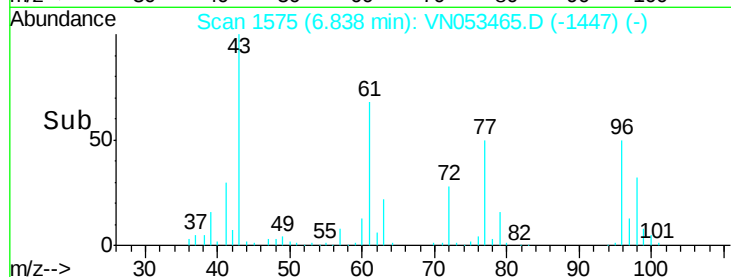
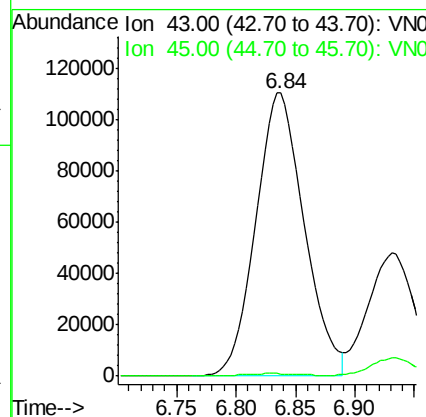
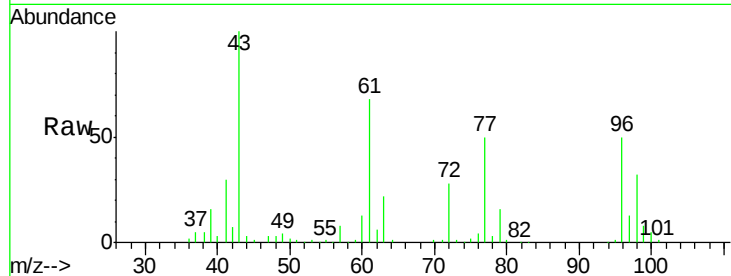
#43
Ethyl Acetate
Concen: 50.406 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.09 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

Tot Ion: 43 Resp: 310359
Ion Ratio Lower Upper
43 100
45 1.1 1.0 1.6

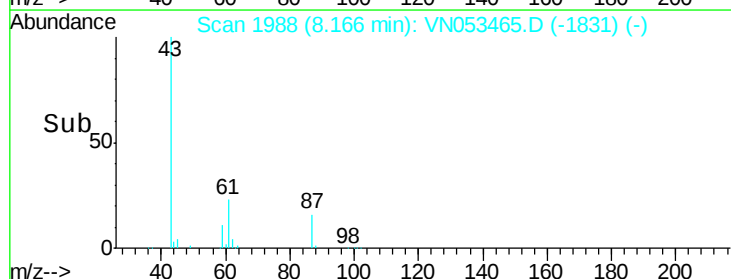
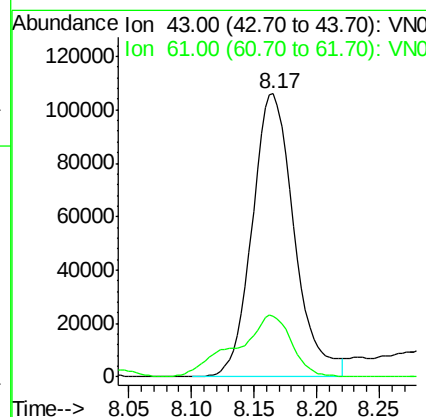
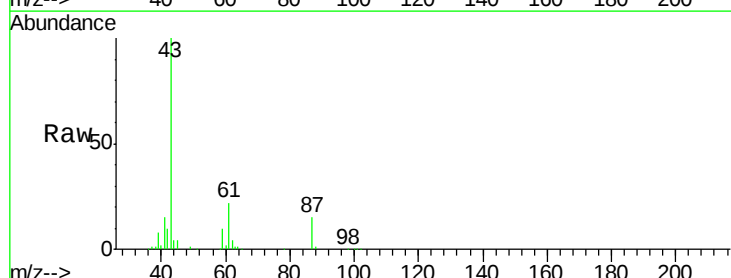
Manual Integrations
APPROVED

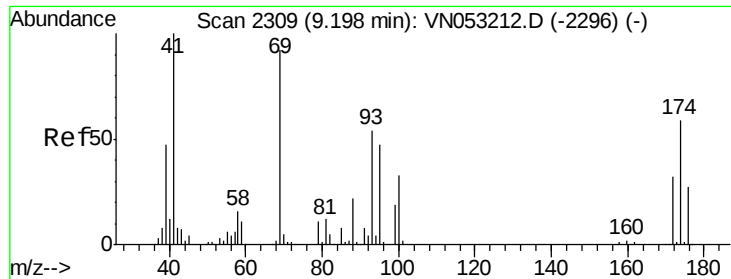
MMDadoda
1/21/2019 10:47:52 AM



#44
Isopropyl Acetate
Concen: 21.443 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion: 43 Resp: 245939
Ion Ratio Lower Upper
43 100
61 28.7 16.0 24.0#





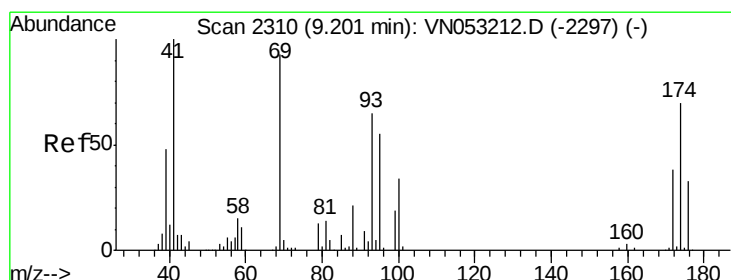
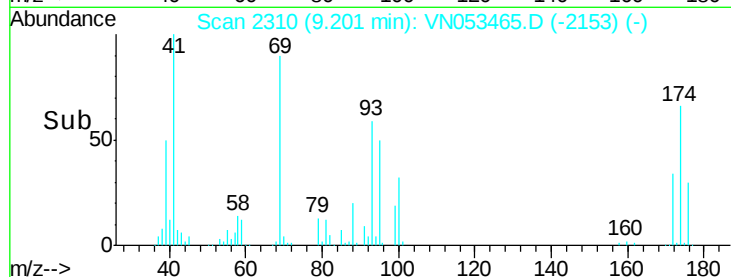
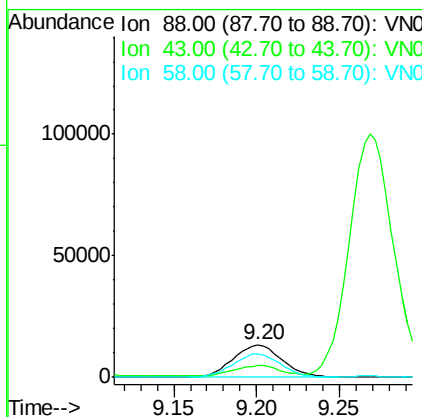
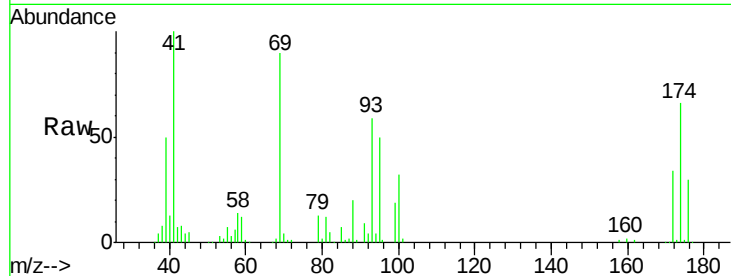
#45
 1,4-Dioxane
 Concen: 392.891 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.7	29.5	44.3
58	70.2	61.5	92.3

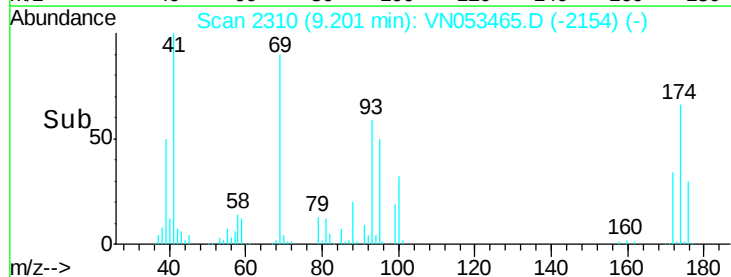
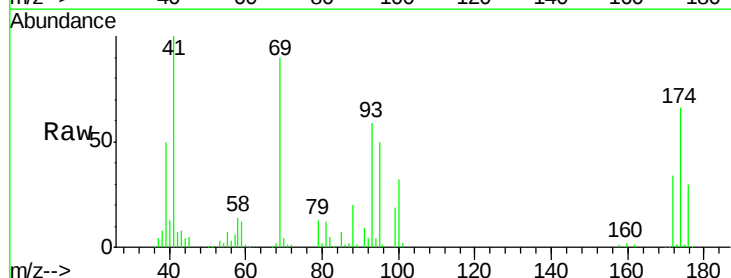
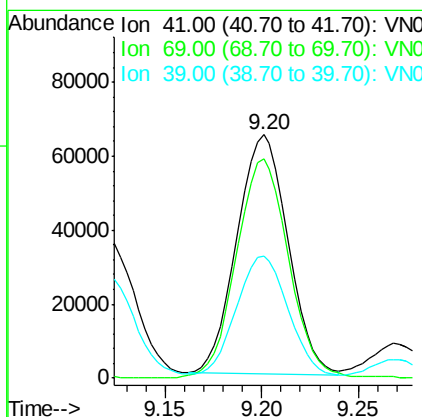
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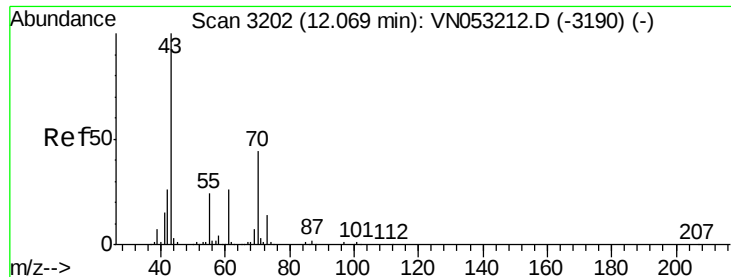
MMDadoda
 1/21/2019 10:47:52 AM



#46
 Methyl methacrylate
 Concen: 20.543 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.1	42.5	127.6
39	49.9	26.3	78.9





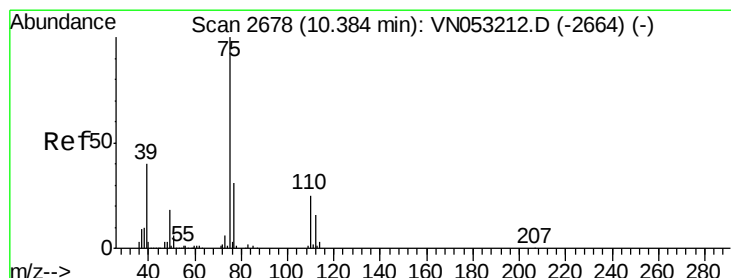
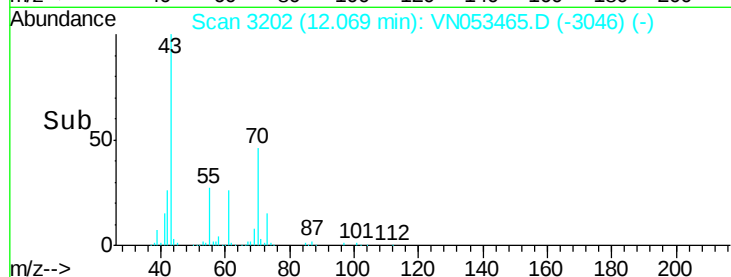
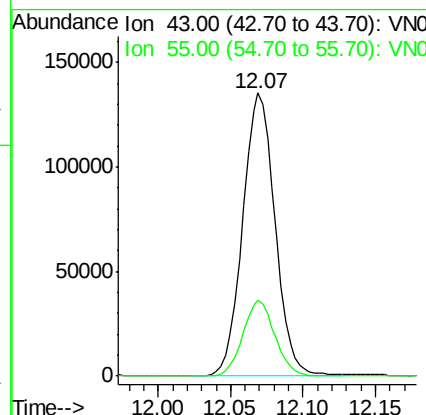
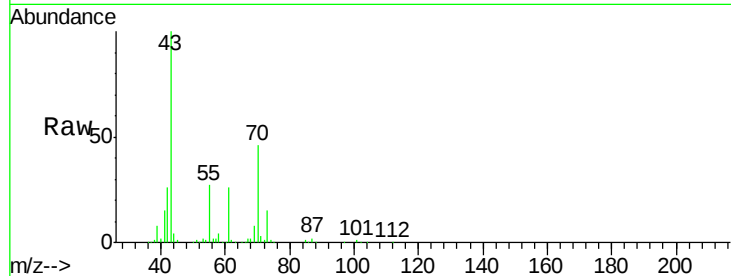
#47
n-amvl Acetate
Concen: 20.706 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

Tot Ion: 43 Resp: 208566
Ion Ratio Lower Upper
43 100
55 26.6 21.1 31.7

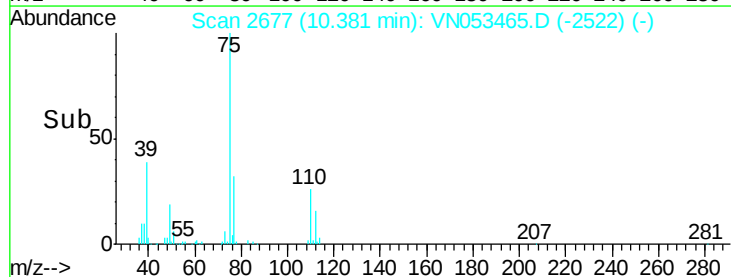
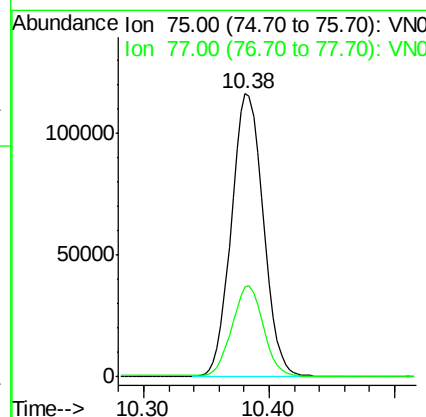
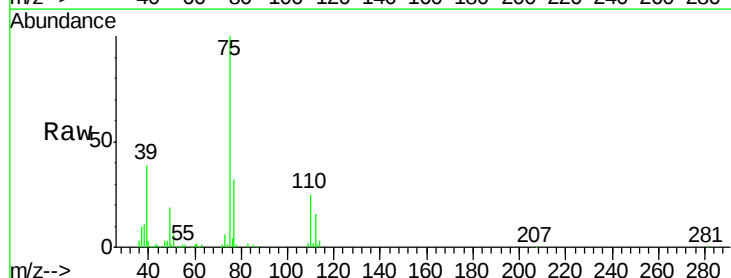
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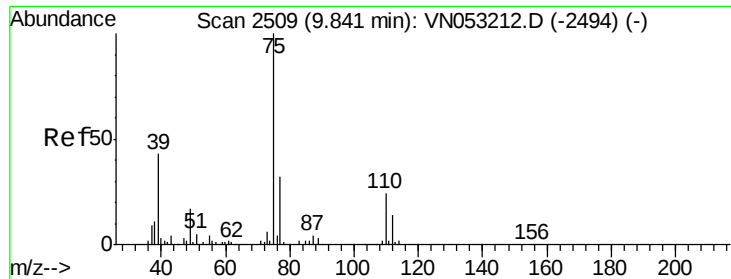
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#48
t-1,3-Dichloropropene
Concen: 19.206 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion: 75 Resp: 206464
Ion Ratio Lower Upper
75 100
77 31.6 25.6 38.4





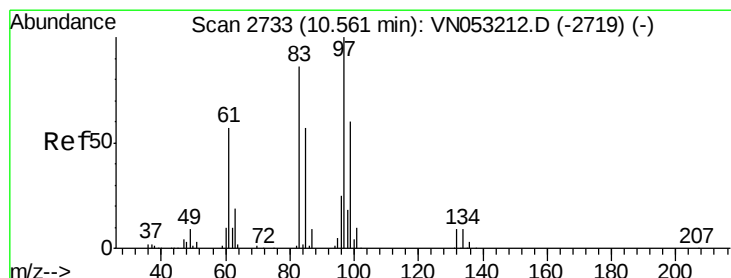
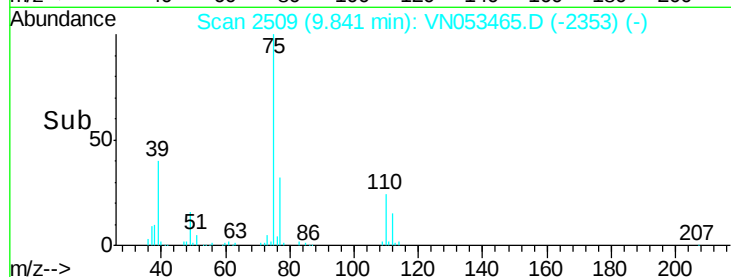
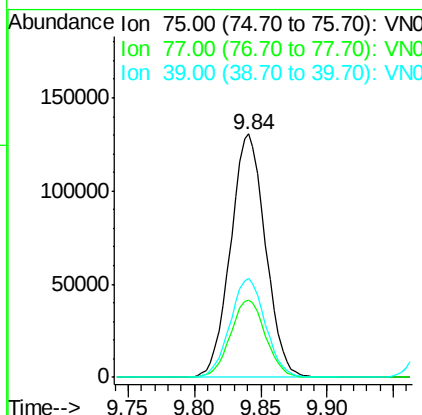
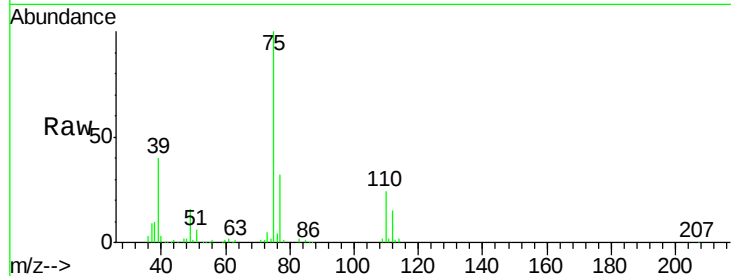
#49
 cis-1,3-Dichloropropene
 Concen: 18.886 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	40.3	37.3	55.9

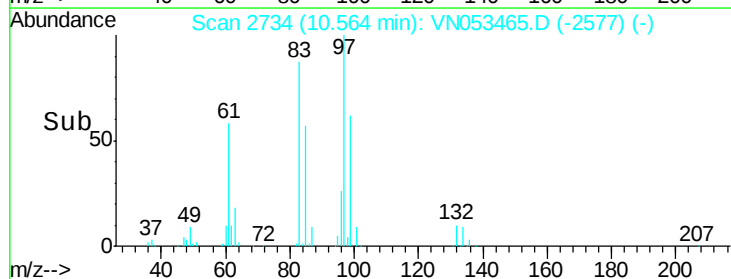
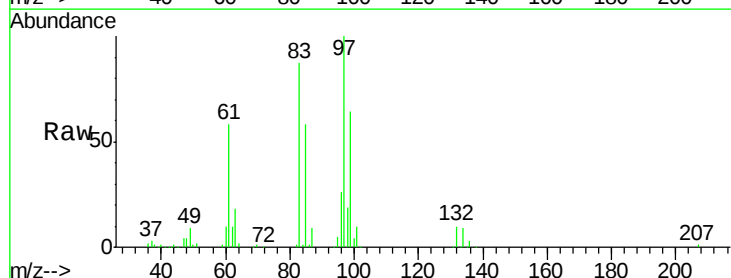
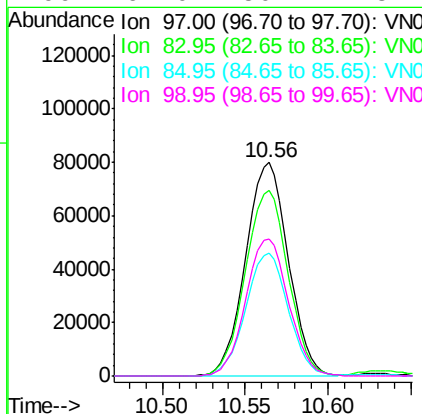
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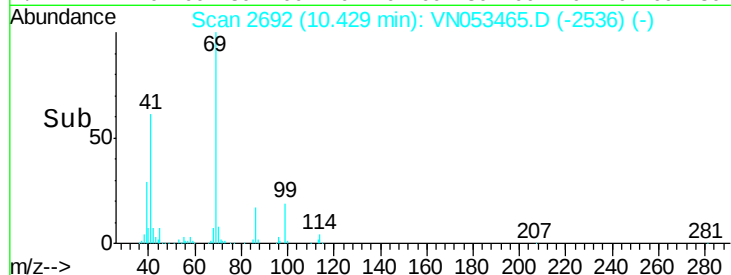
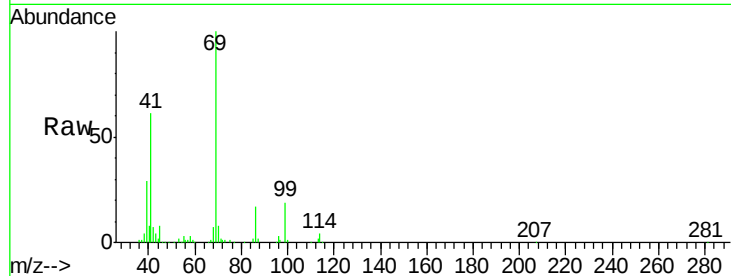
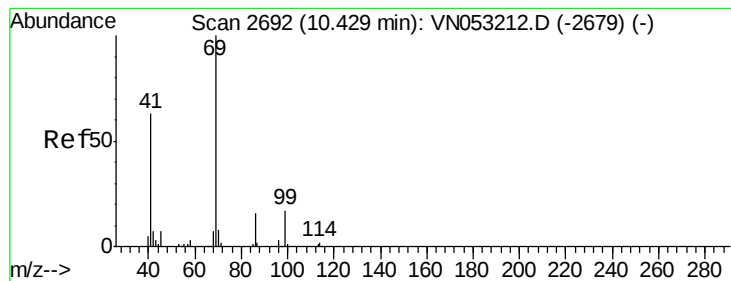
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#50
 1,1,2-Trichloroethane
 Concen: 20.392 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.4	105.6
85	57.6	45.0	67.6
99	64.0	50.2	75.2





#51

Ethyl methacrylate

Concen: 20.348 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Tot Ion:	69	Resp:	186491
Ion Ratio	Lower	Upper	
69	100		
41	60.5	34.4	103.3
39	28.9	16.4	49.2

Instrument :

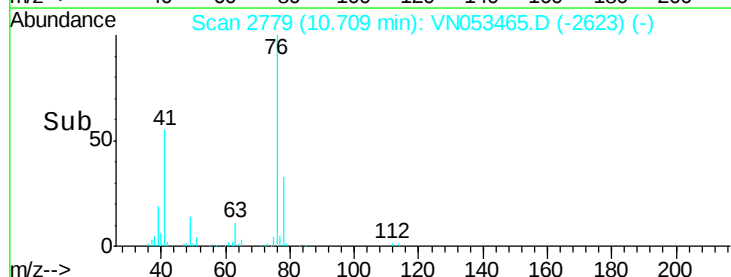
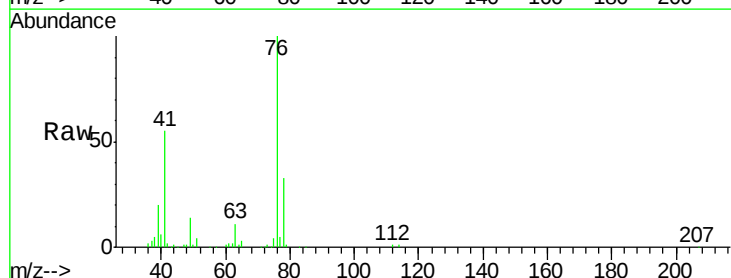
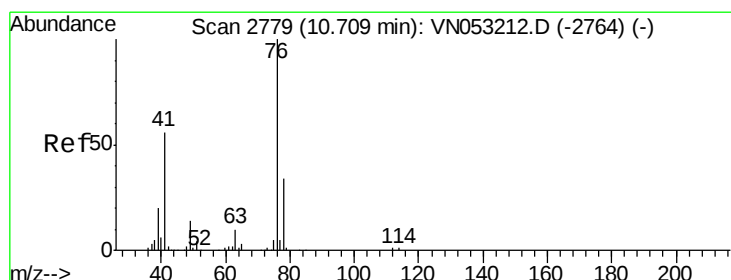
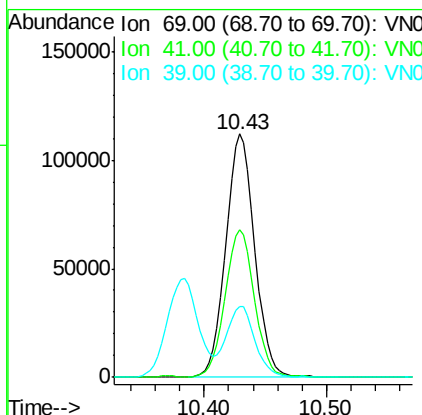
MSVOA_N

ClientSampled :

VN0118WBSD01

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#52

1,3-Dichloropropane

Concen: 19.982 ug/l

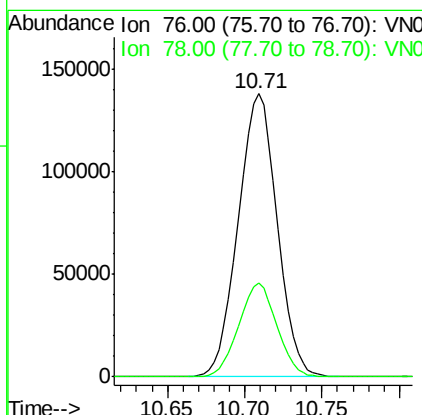
RT: 10.71 min Scan# 2779

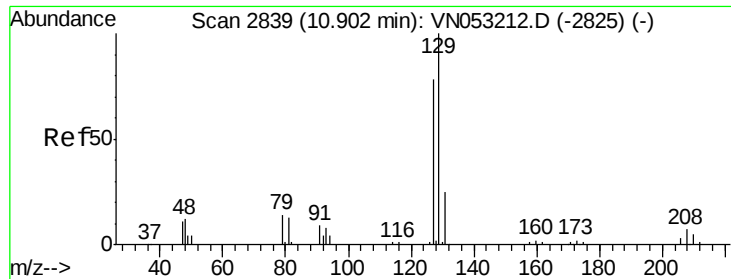
Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Tgt Ion:	76	Resp:	242059
Ion Ratio	Lower	Upper	
76	100		
78	32.4	0.0	64.8





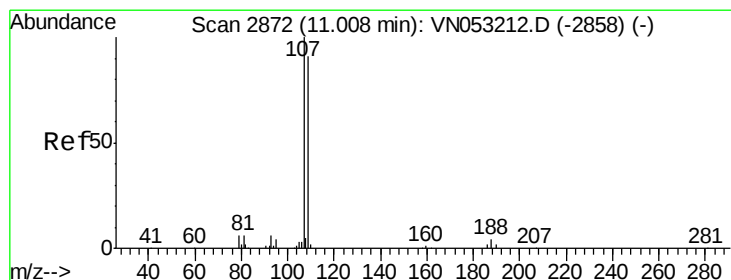
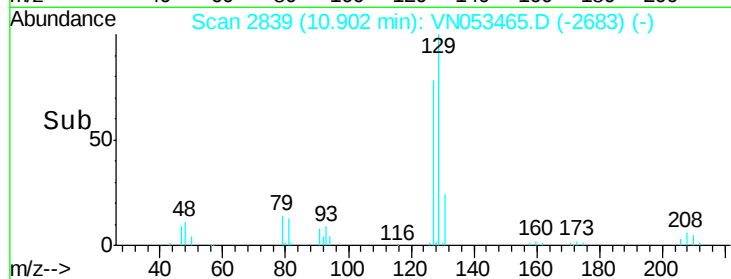
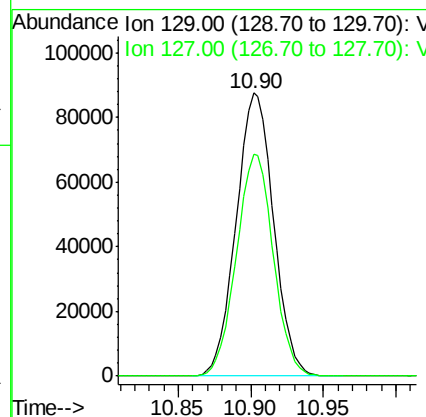
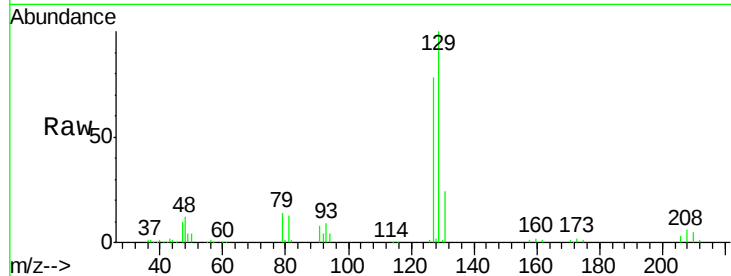
#53
 Dibromochloromethane
 Concen: 19.841 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

Tot Ion:129 Resp: 156710
 Ion Ratio Lower Upper
 129 100
 127 77.3 37.6 112.8

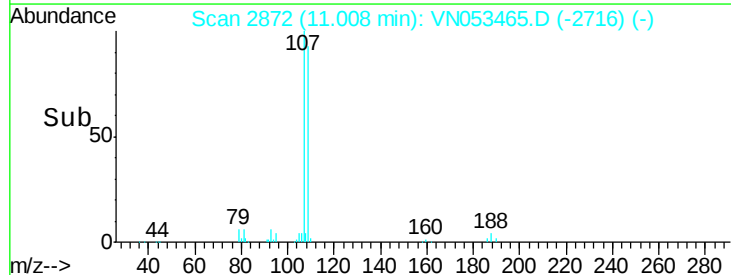
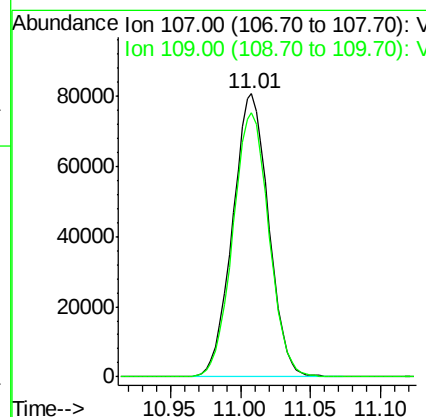
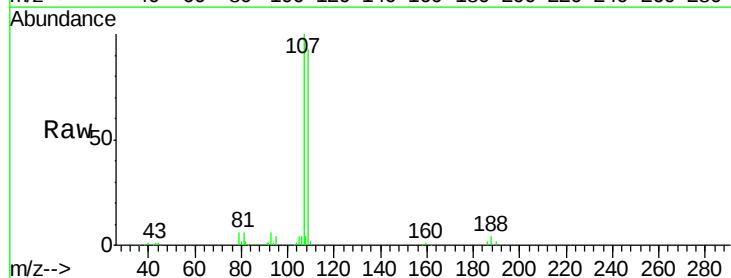
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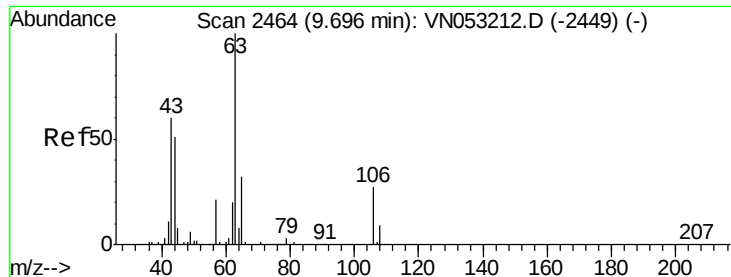
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#54
 1,2-Dibromoethane
 Concen: 20.289 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion:107 Resp: 143932
 Ion Ratio Lower Upper
 107 100
 109 93.7 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 100.215 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

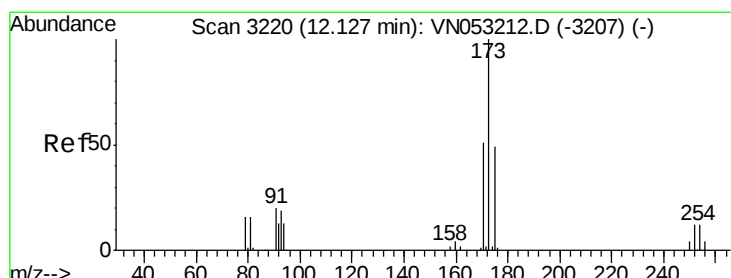
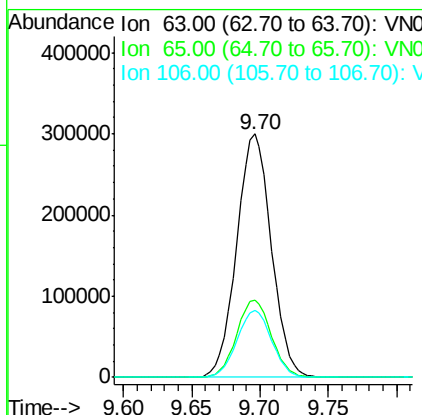
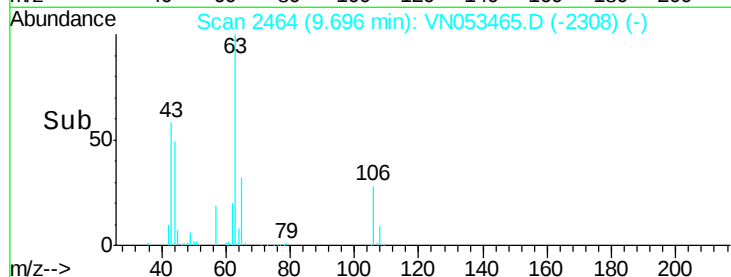
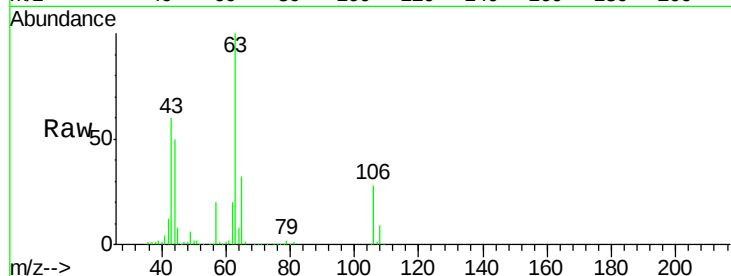
ClientSampleId :

VN0118WBSD01

Tot Ion:	63	Resp:	527107
Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.2
106	27.6	20.4	30.6

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#56

Bromoform

Concen: 20.679 ug/l

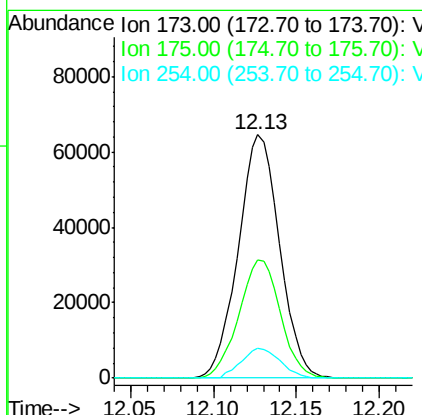
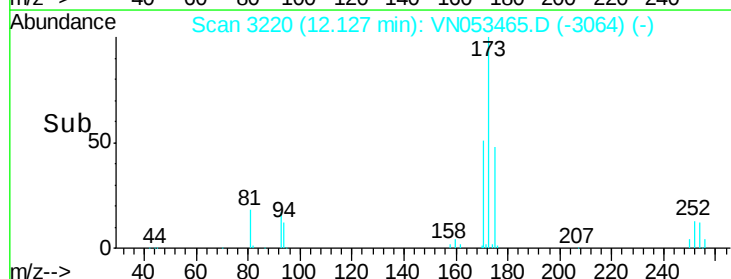
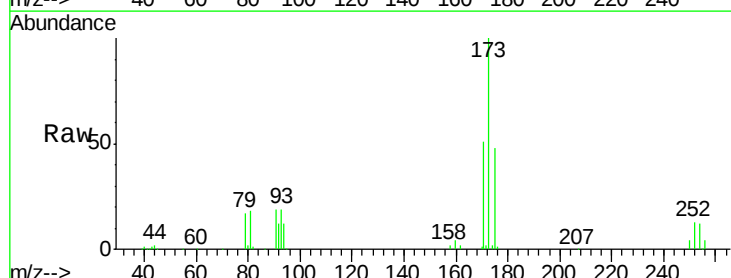
RT: 12.13 min Scan# 3220

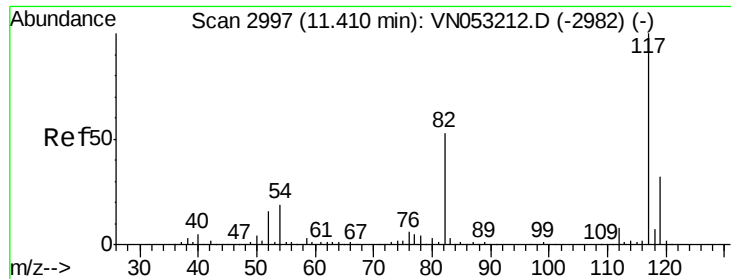
Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Tgt Ion:	173	Resp:	111730
Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.7	58.1
254	11.6	8.4	12.6





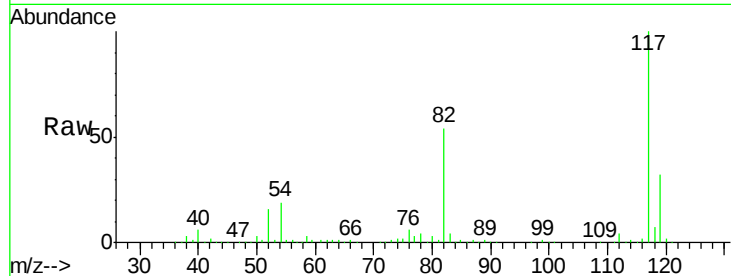
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	44.2	66.2
119	32.0	25.4	38.2

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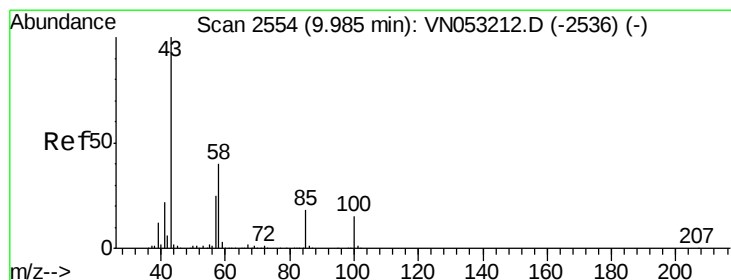
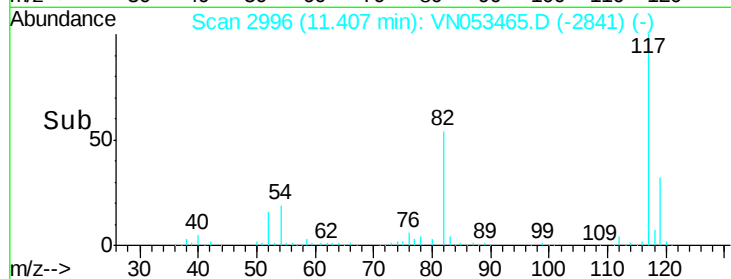
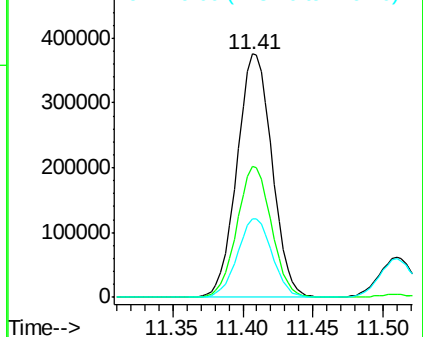


Abundance

Ion 117.00 (116.70 to 117.70): V

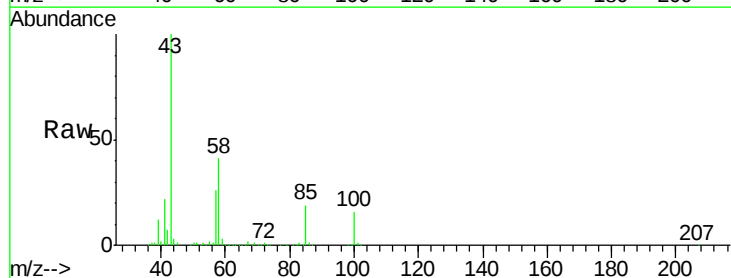
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 111.926 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.1	31.6	47.4
85	18.5	13.3	19.9

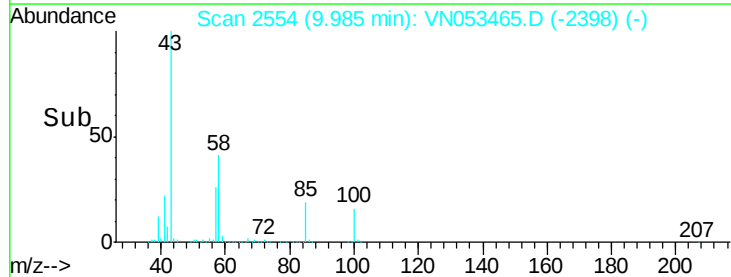
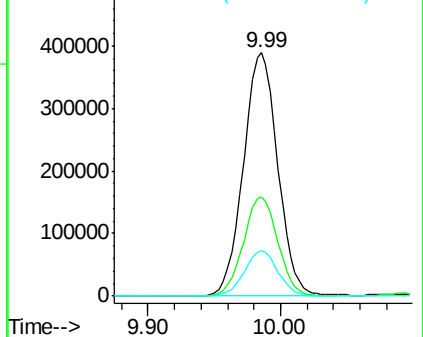


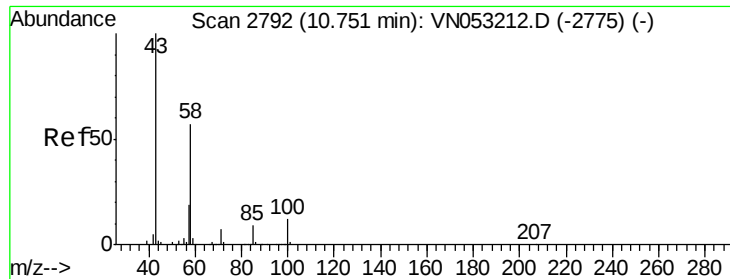
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V





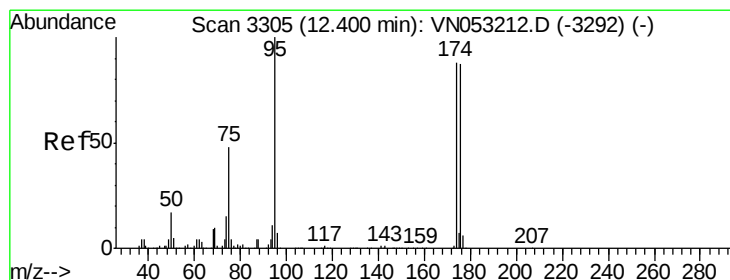
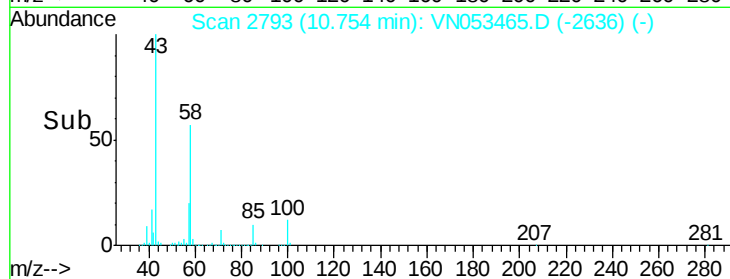
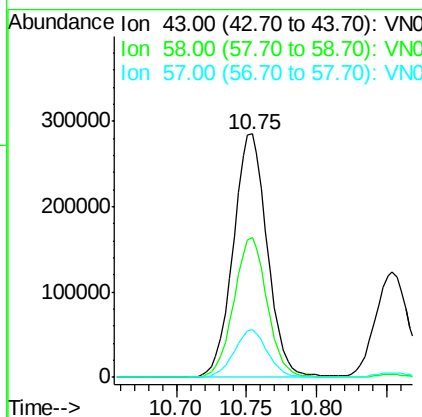
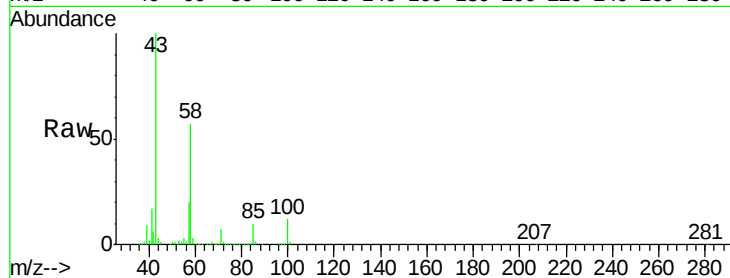
#59
2-Hexanone
Concen: 111.629 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

Tot Ion:	43	Resp:	480624
Ion Ratio	Lower	Upper	
43	100		
58	56.5	43.2	64.8
57	19.2	14.9	22.3

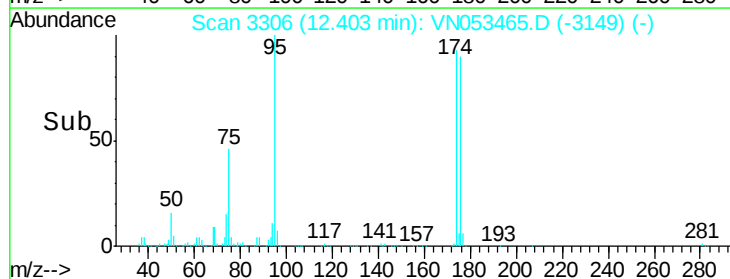
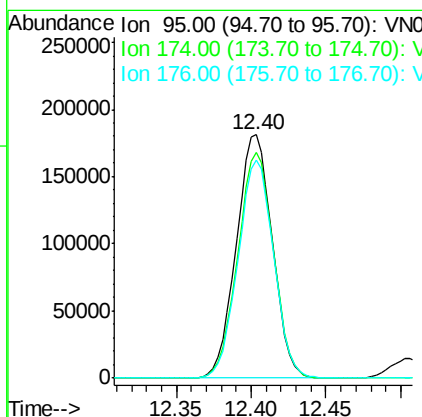
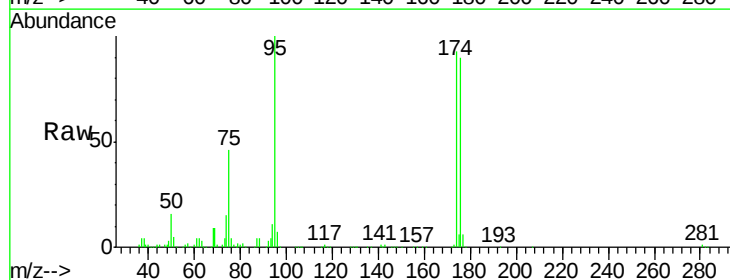
Manual Integrations
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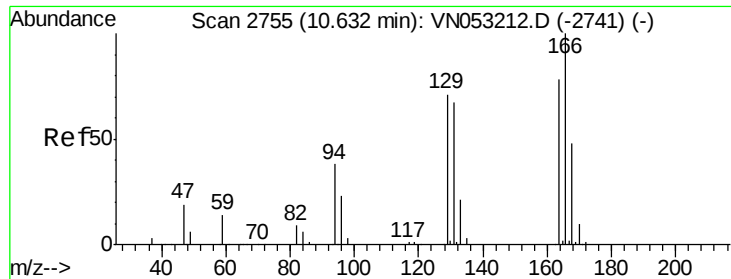
MMDadoda
1/21/2019 10:47:52 AM



#60
4-Bromofluorobenzene
Concen: 111.629 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion:	95	Resp:	303589
Ion Ratio	Lower	Upper	
95	100		
174	92.1	67.9	101.9
176	88.6	66.4	99.6





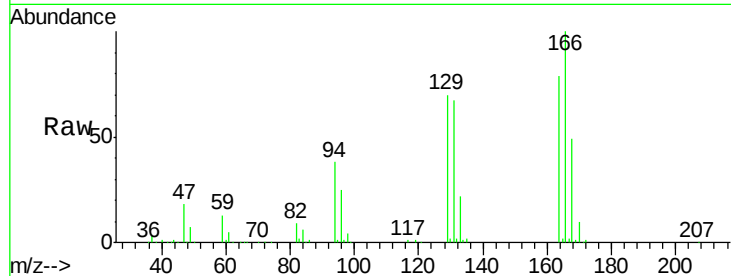
#61
Tetrachloroethene
Concen: 19.672 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.6	104.6	157.0
129	88.3	75.3	112.9
131	85.4	74.3	111.5

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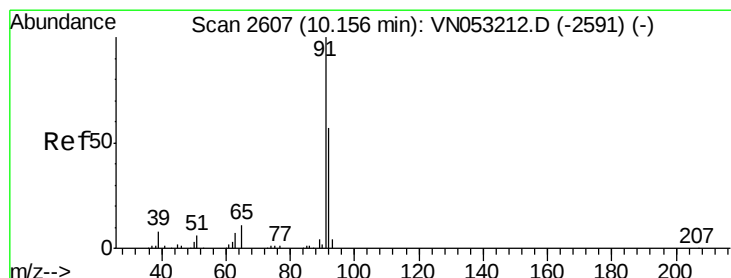
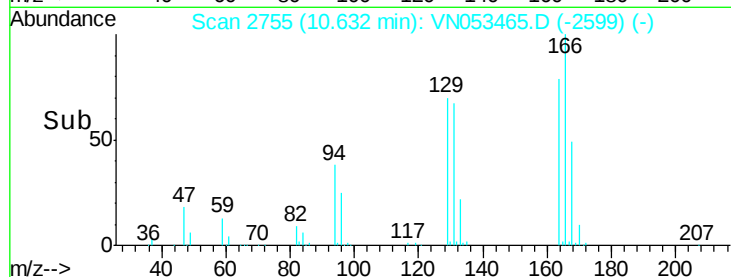
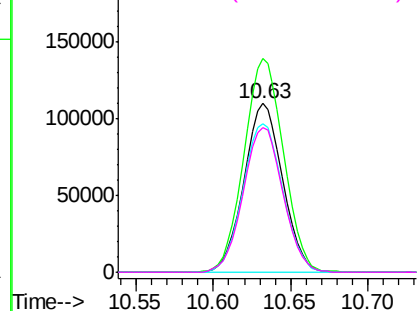
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

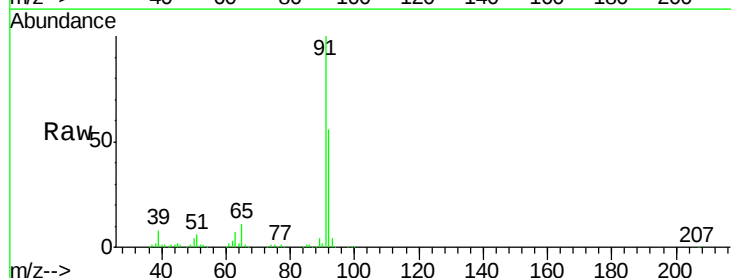
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 19.018 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

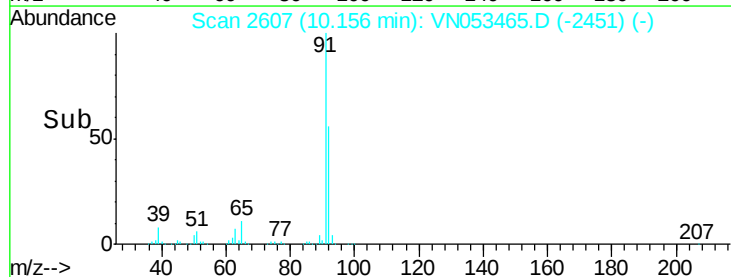
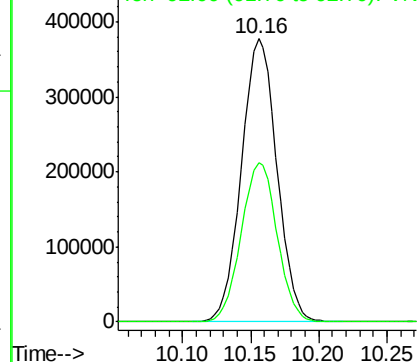
Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.9	45.4	68.2

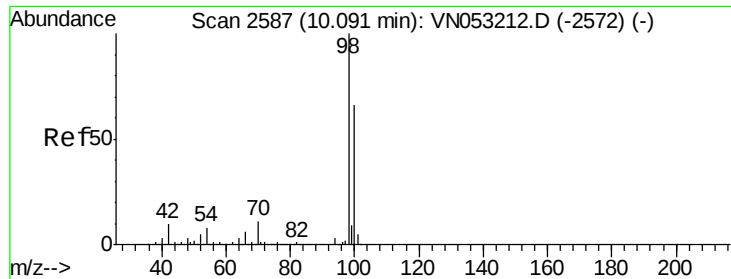


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





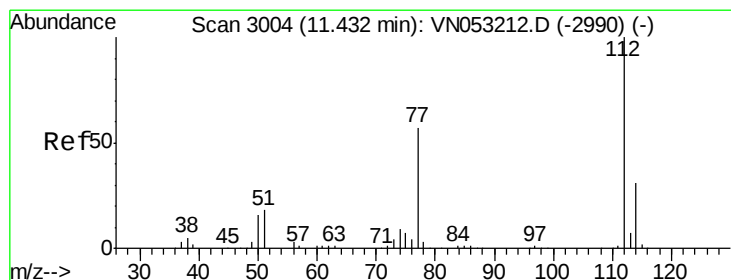
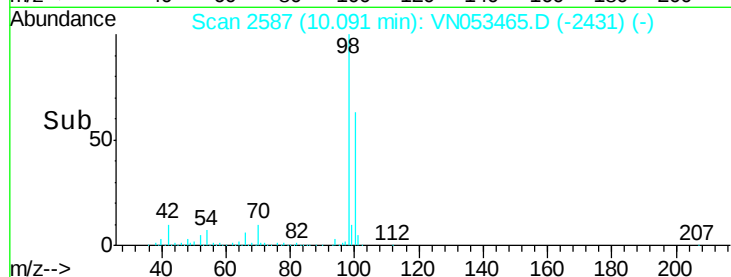
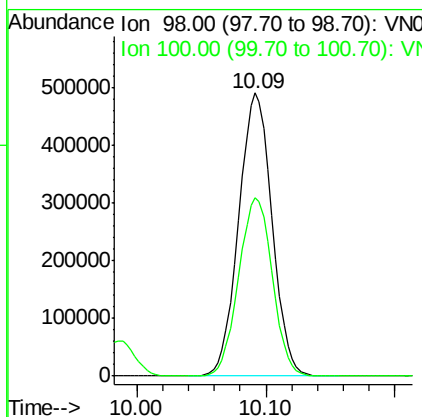
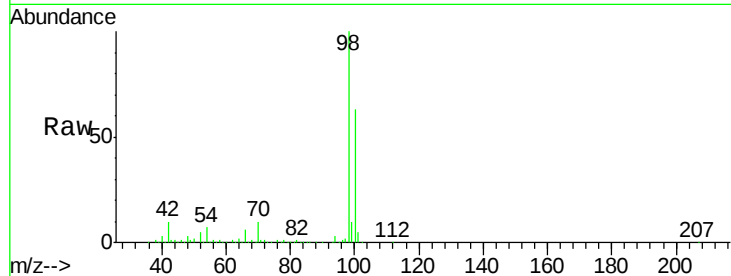
#63
Toluene-d8
Concen: 19.018 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

Tot Ion: 98 Resp: 883664
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7

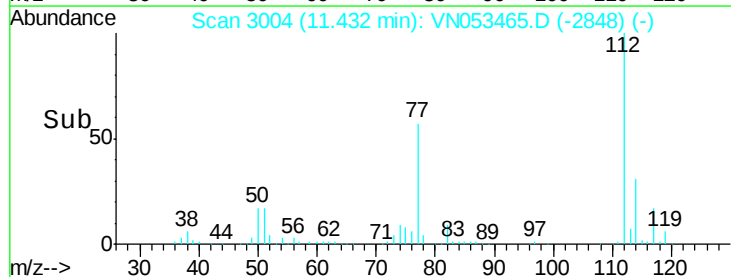
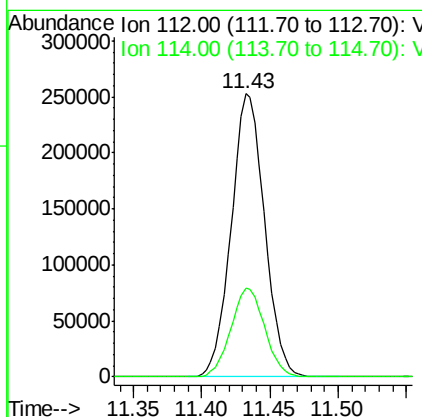
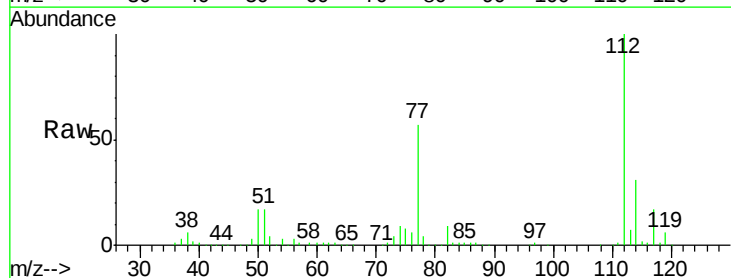
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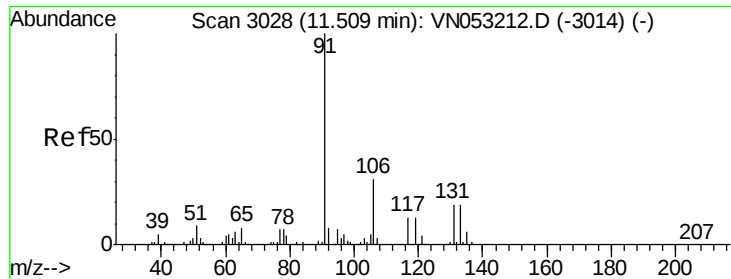
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#64
Chlorobenzene
Concen: 19.036 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion: 112 Resp: 428766
Ion Ratio Lower Upper
112 100
114 31.2 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.402 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

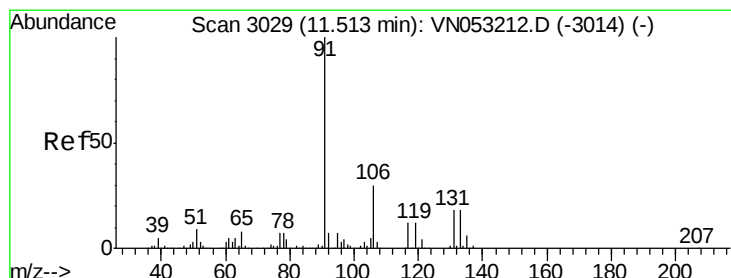
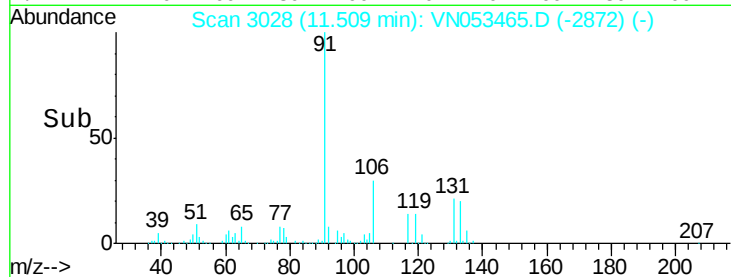
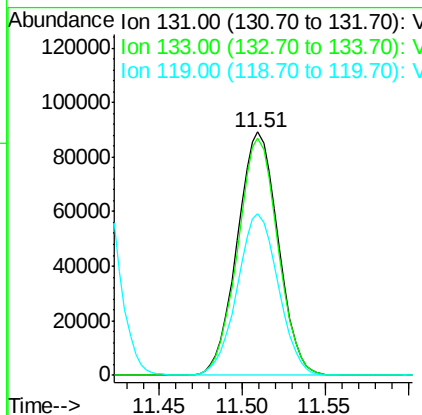
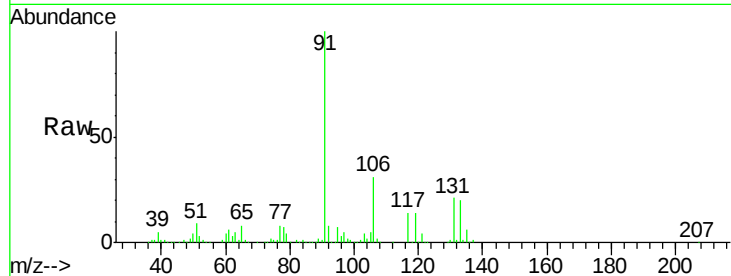
ClientSampleId :

VN0118WBSD01

Tot Ion:	131	Resp:	153303
Ion Ratio	Lower	Upper	
131	100		
133	95.7	0.0	193.4
119	66.6	0.0	133.0

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#66

Ethyl Benzene

Concen: 18.688 ug/l

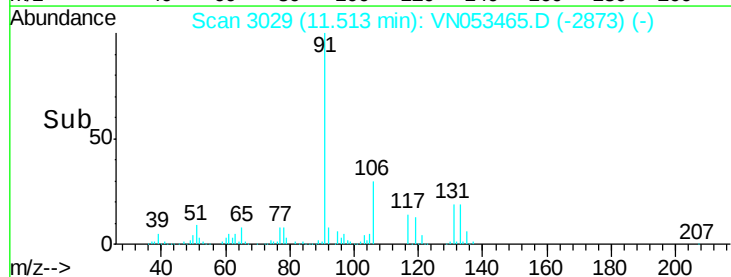
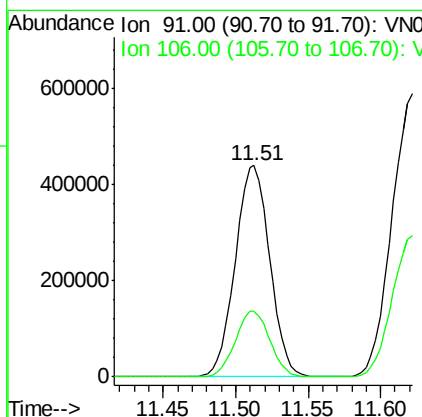
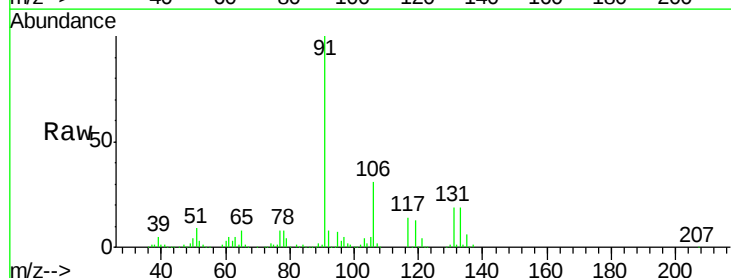
RT: 11.51 min Scan# 3029

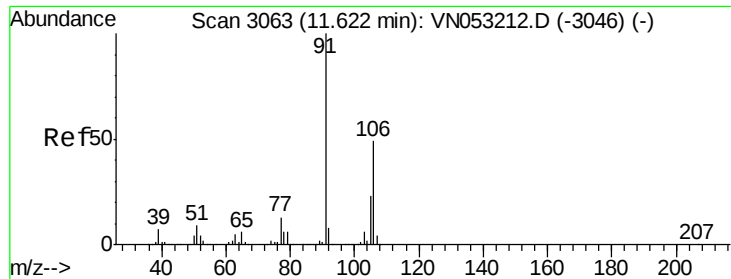
Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Tgt Ion:	91	Resp:	727437
Ion Ratio	Lower	Upper	
91	100		
106	31.1	24.3	36.5





#67

m/p-Xylenes

Concen: 38.002 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBSD01

Tot Ion:106 Resp: 559456

Ion Ratio Lower Upper

106 100

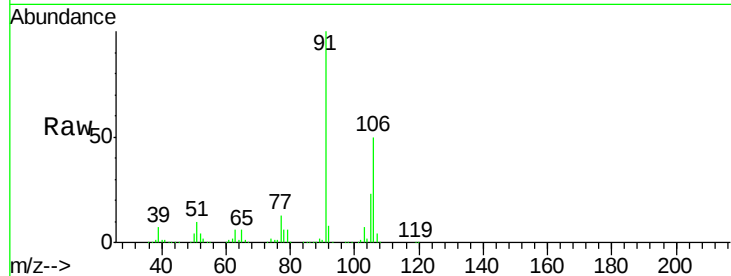
91 200.5 163.9 245.9

Manual Integrations

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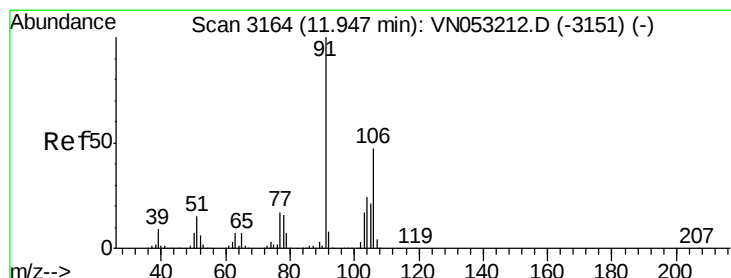
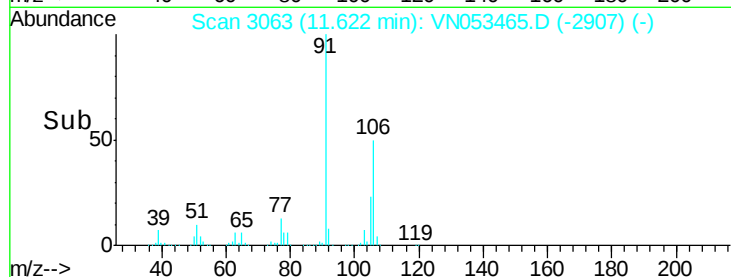
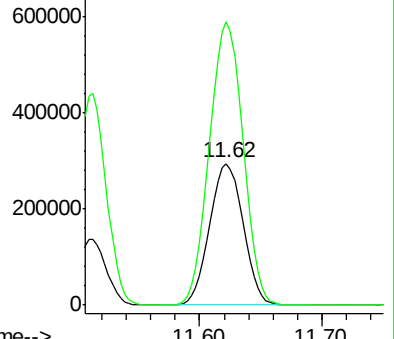
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.001 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN053465.D

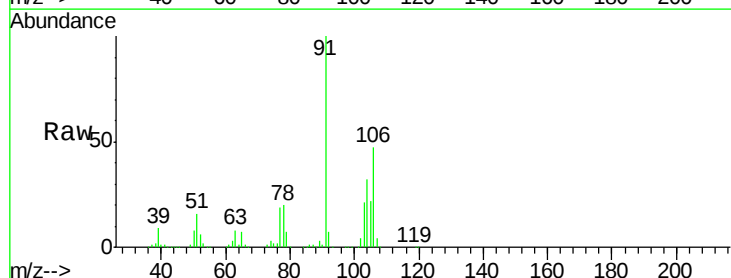
Acq: 18 Jan 2019 11:47

Tgt Ion:106 Resp: 271062

Ion Ratio Lower Upper

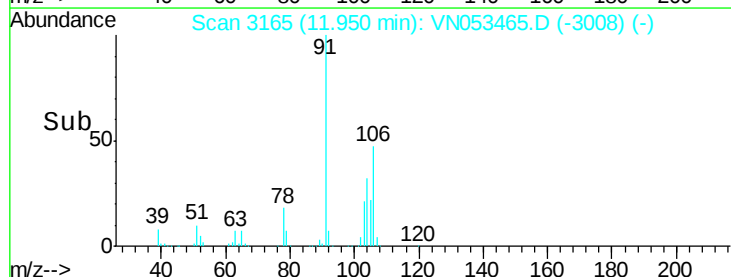
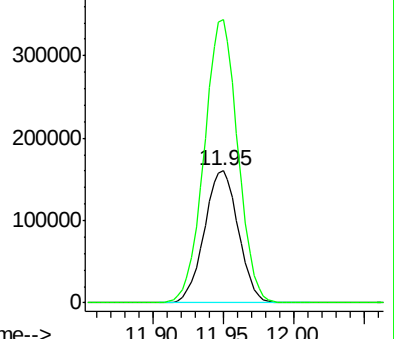
106 100

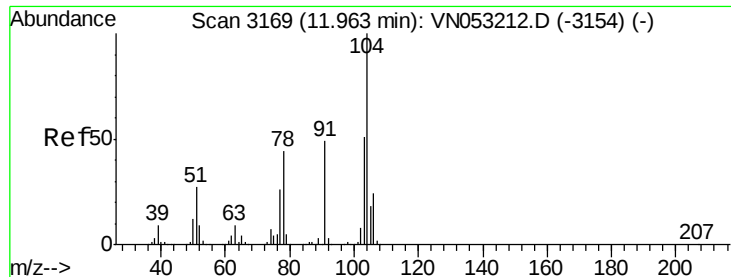
91 211.5 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





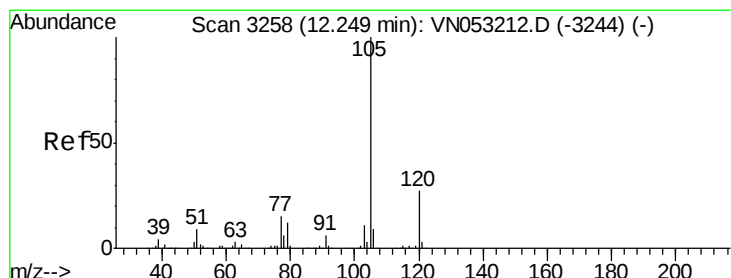
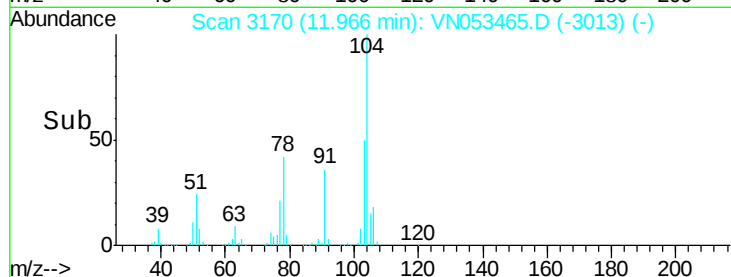
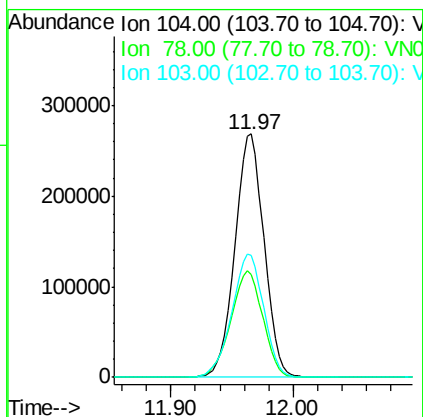
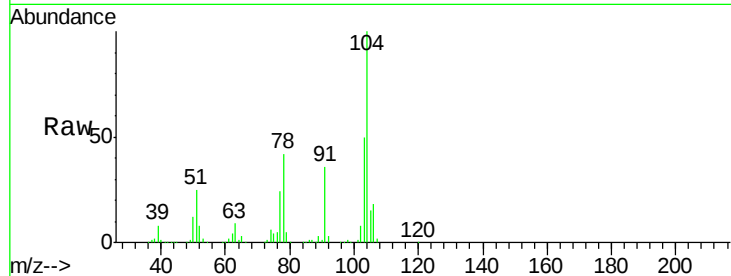
#69
Stvrene
Concen: 19.108 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		444949		
78	48.1	39.3	58.9		
103	55.3	44.6	66.8		

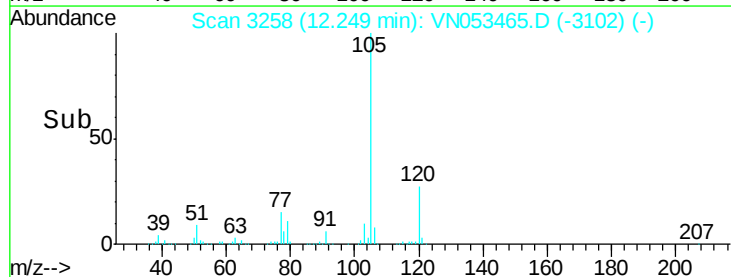
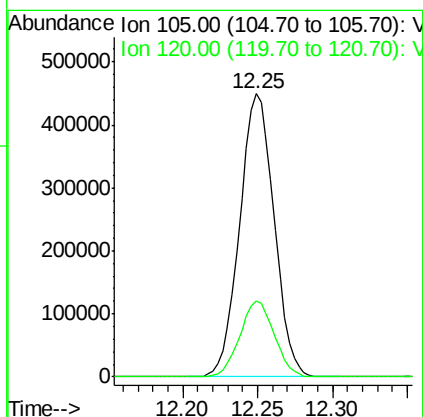
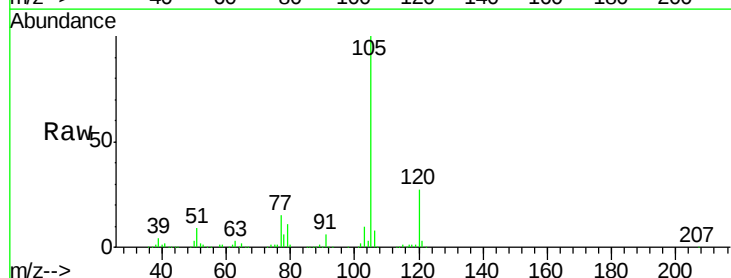
Manual Integrations
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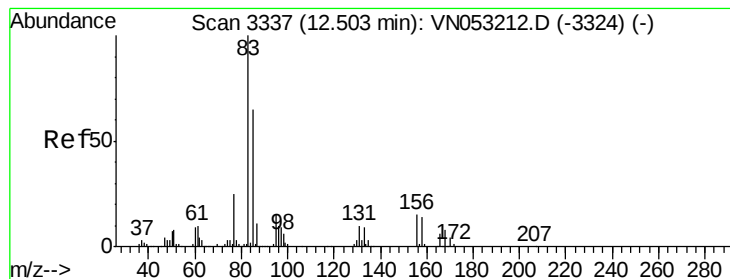
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#70
Isopropylbenzene
Concen: 19.158 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		719080		
120	26.8	18.6	34.6		





#71

1,1,2,2-Tetrachloroethane

Concen: 21.605 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBSD01

Tot Ion: 83 Resp: 170702

Ion Ratio Lower Upper

83 100

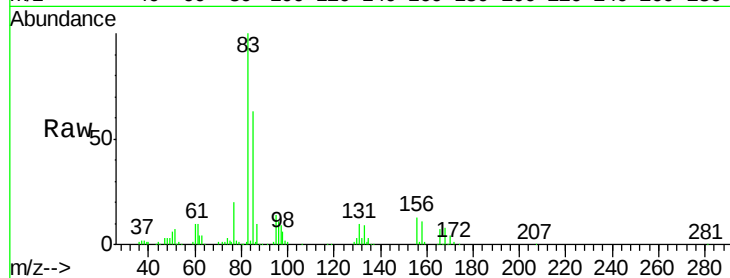
131 10.5 4.9 14.6

85 64.5 32.2 96.6

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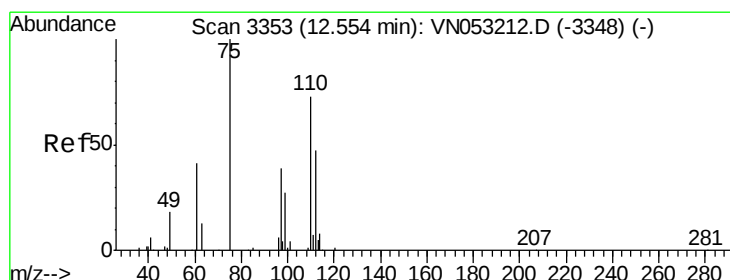
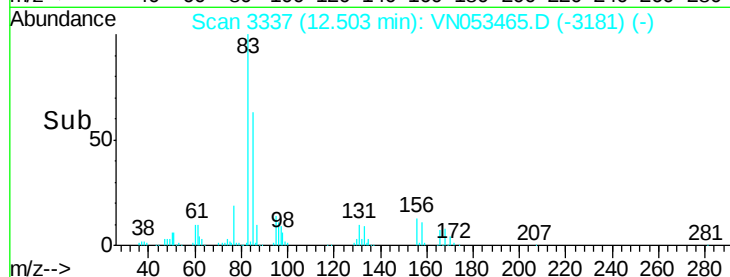
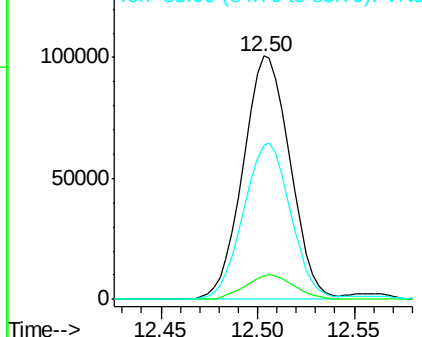
1/21/2019 10:47:52 AM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 22.179 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053465.D

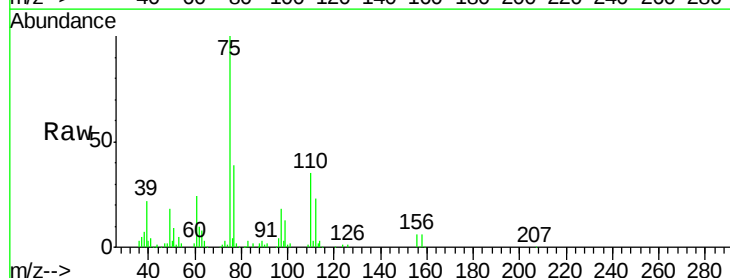
Acq: 18 Jan 2019 11:47

Tgt Ion: 75 Resp: 153455

Ion Ratio Lower Upper

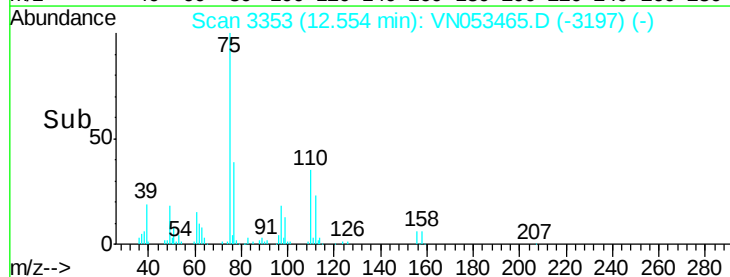
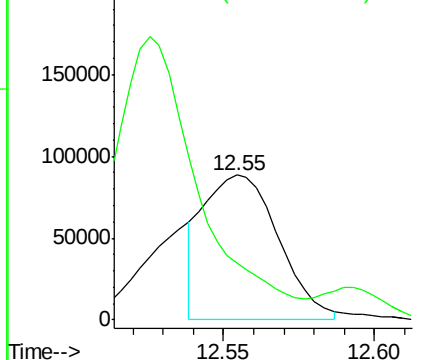
75 100

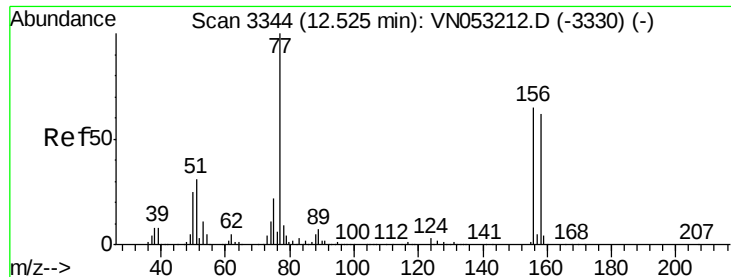
77 222.3 0.0 514.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.778 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

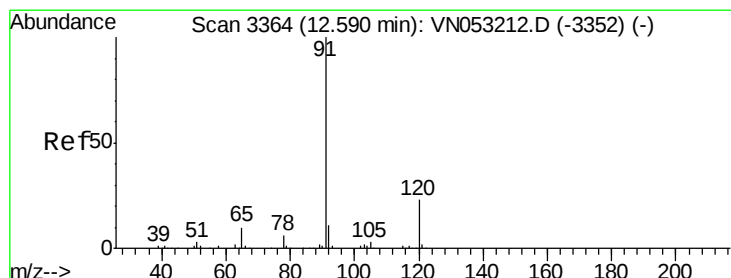
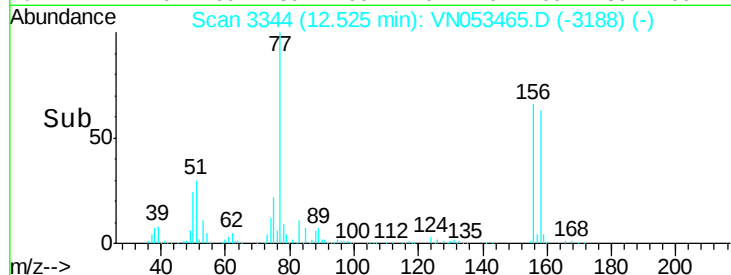
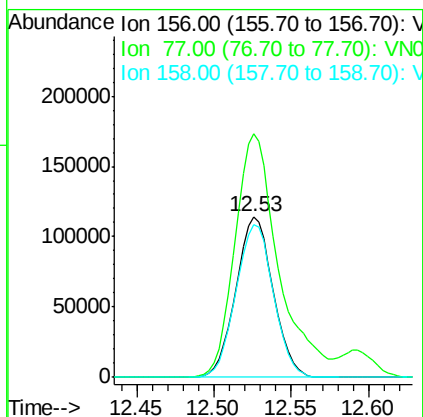
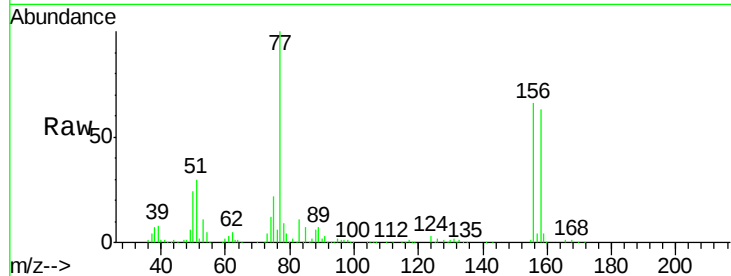
ClientSampled :

VN0118WBSD01

Tot Ion:	156	Resp:	190819
Ion Ratio	Lower	Upper	
156	100		
77	178.8	0.0	382.6
158	95.9	0.0	196.8

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#74

n-propylbenzene

Concen: 19.391 ug/l

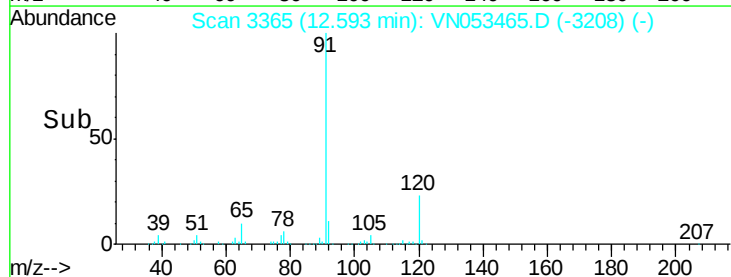
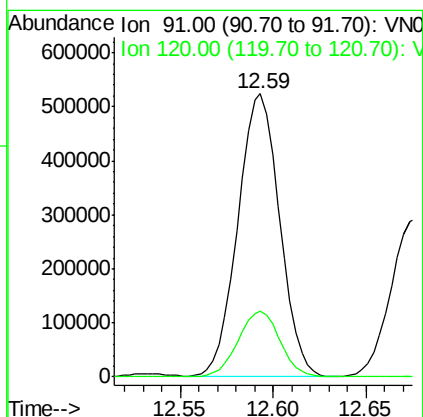
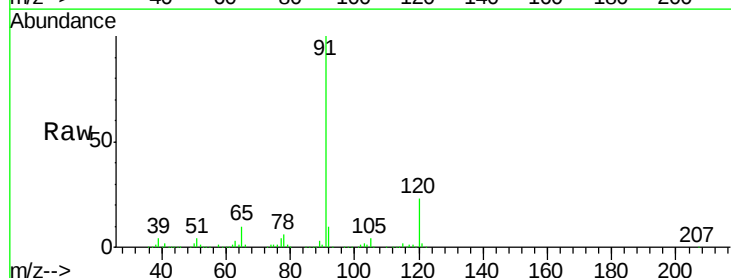
RT: 12.59 min Scan# 3365

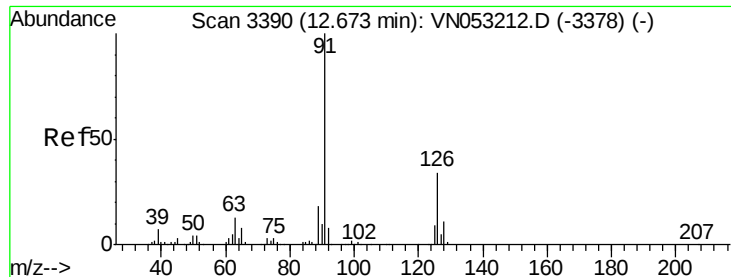
Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Tgt Ion:	91	Resp:	823896
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	44.6





#75

2-Chlorotoluene

Concen: 19.478 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBSD01

Tot Ion: 91 Resp: 490130

Ion Ratio Lower Upper

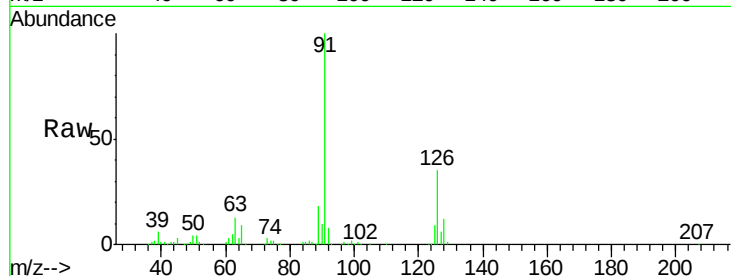
91 100

126 35.4 0.0 68.4

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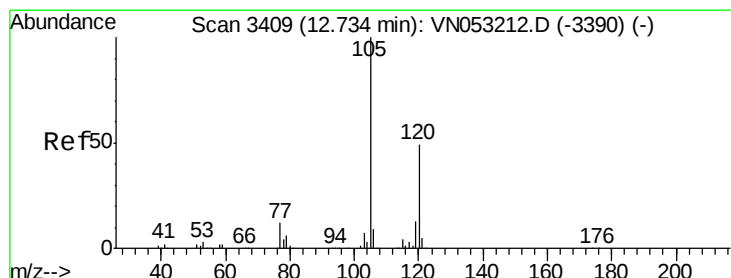
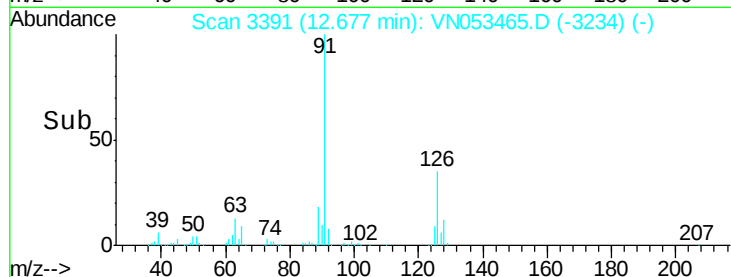
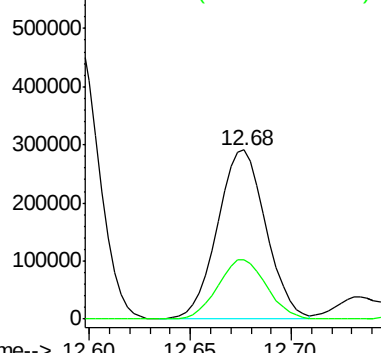
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 19.835 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053465.D

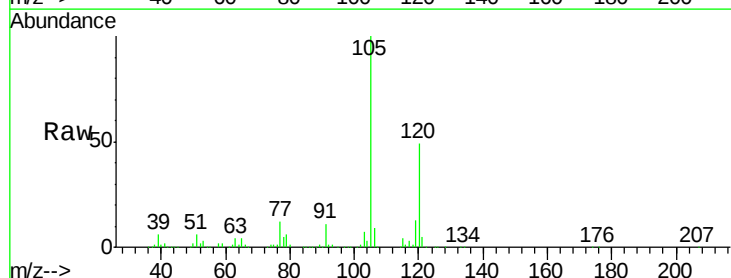
Acq: 18 Jan 2019 11:47

Tgt Ion: 105 Resp: 590554

Ion Ratio Lower Upper

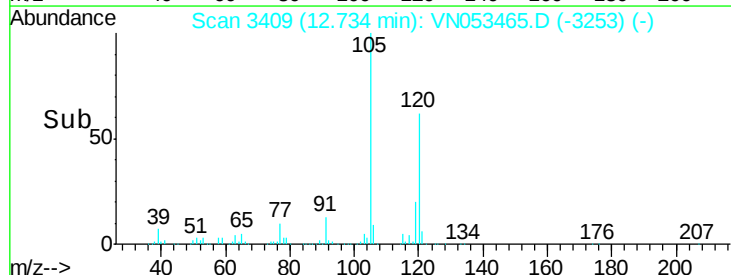
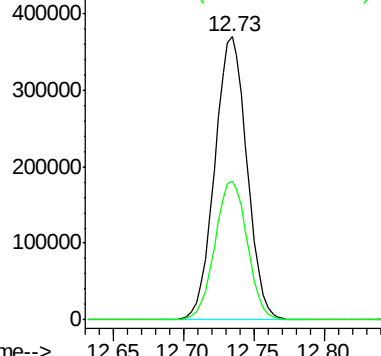
105 100

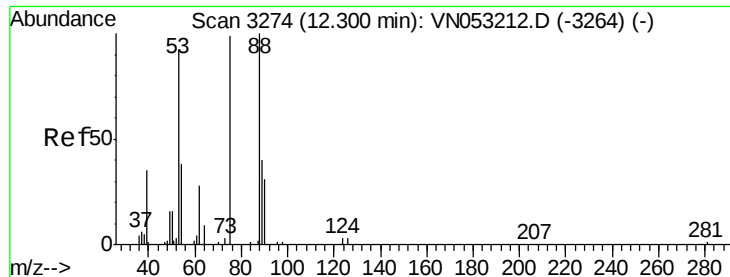
120 49.3 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 20.217 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

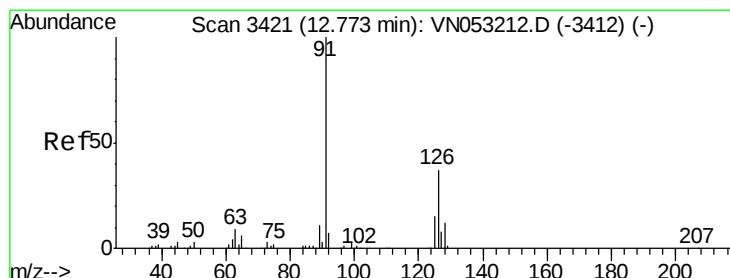
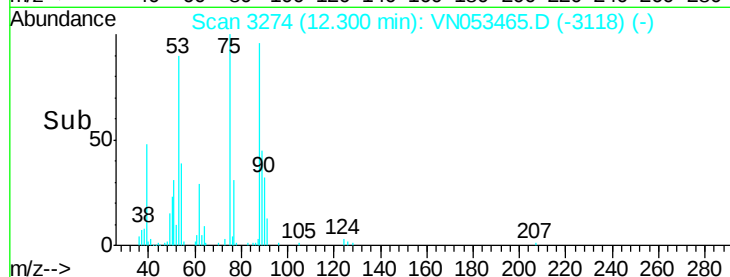
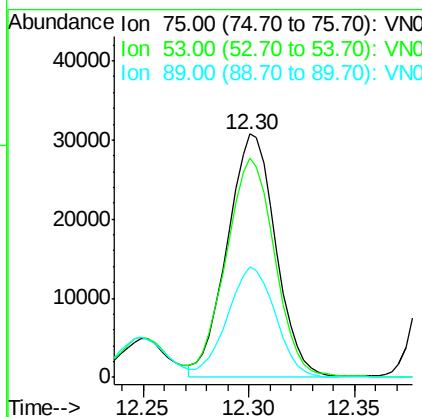
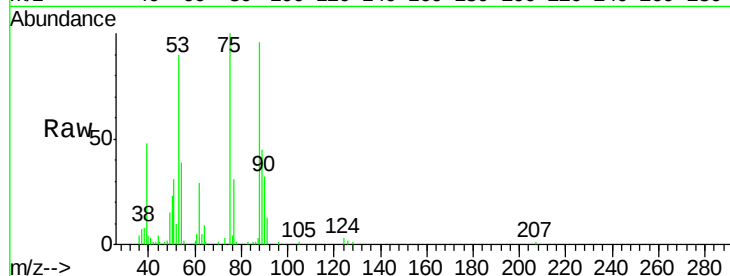
ClientSampled :

VN0118WBSD01

Tot Ion:	75	Resp:	49149
Ion	Ratio	Lower	Upper
75	100		
53	89.7	48.5	145.6
89	45.6	21.7	65.1

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#78

4-Chlorotoluene

Concen: 19.528 ug/l

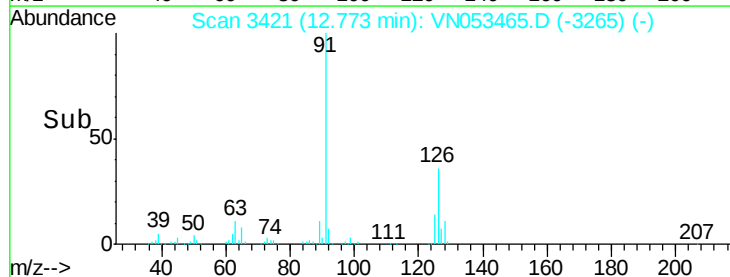
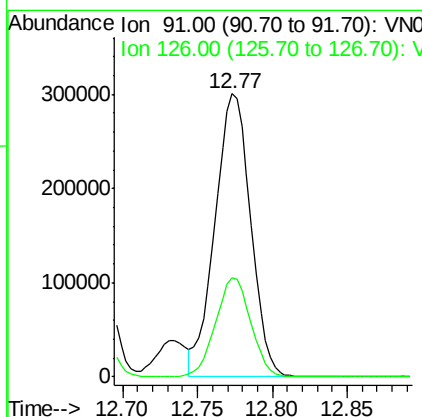
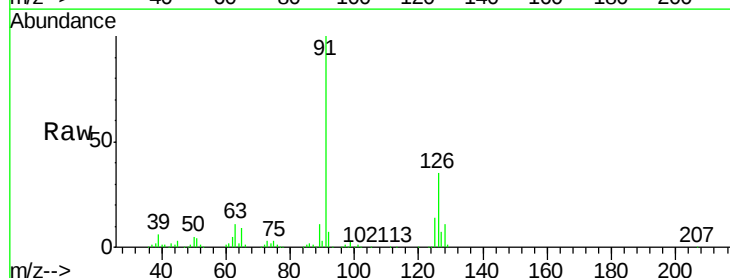
RT: 12.77 min Scan# 3421

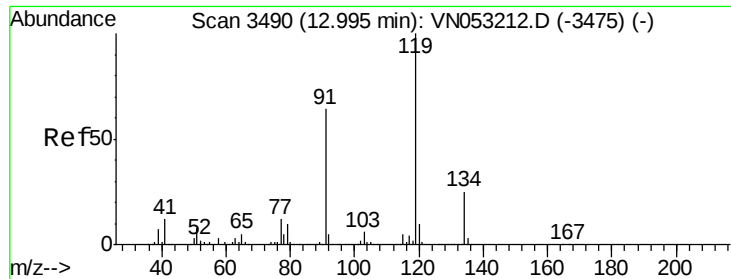
Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Tgt Ion:	91	Resp:	500195
Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	68.2





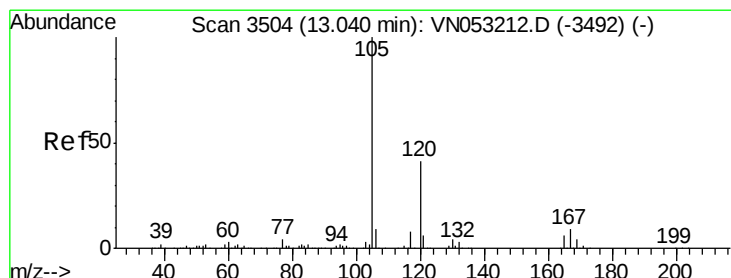
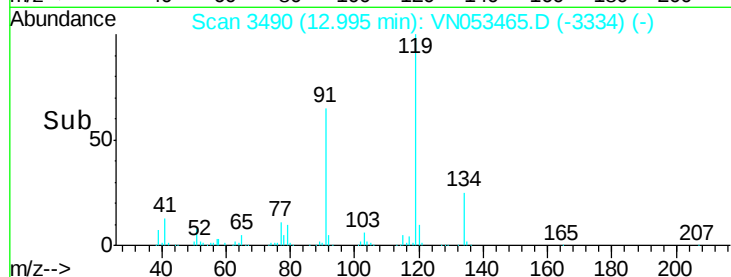
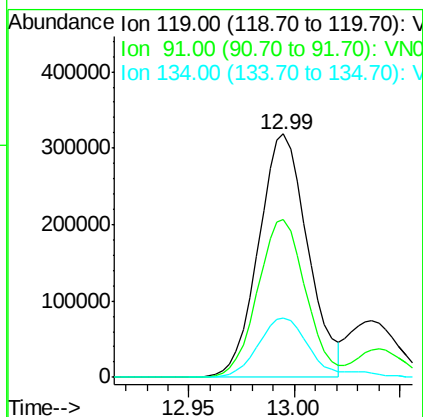
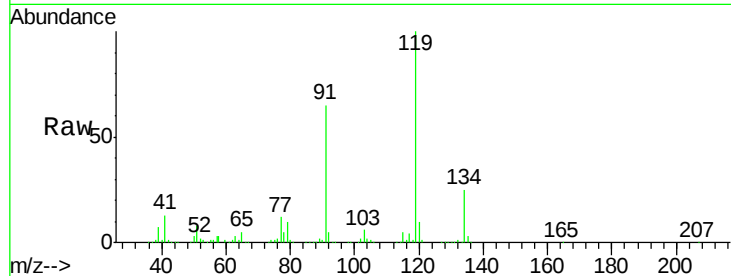
#79
tert-butylbenzene
Concen: 19.950 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	518047		
91	63.0		0.0	129.8
134	24.4		0.0	52.2

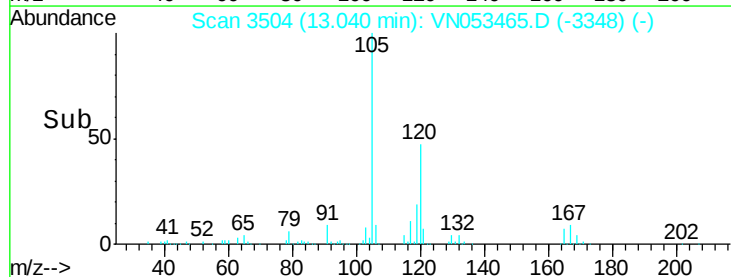
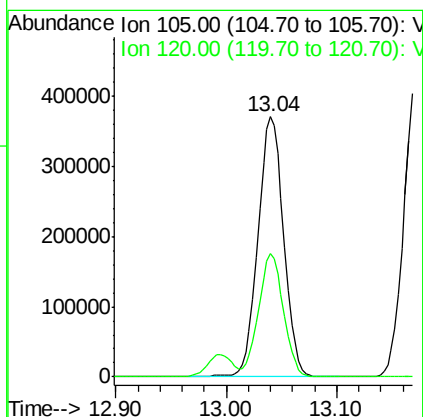
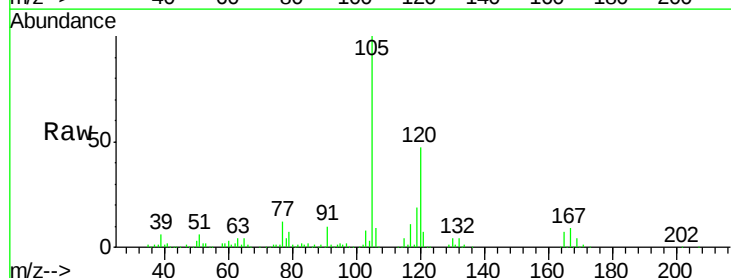
Manual Integrations
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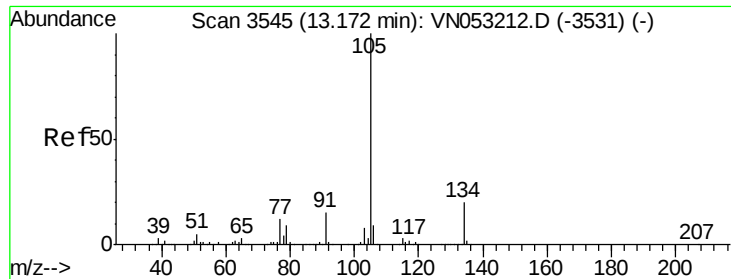
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#80
1,2,4-Trimethylbenzene
Concen: 20.025 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	597578		
120	46.3		0.0	91.0





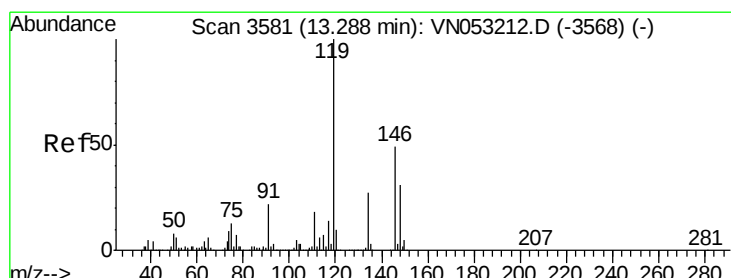
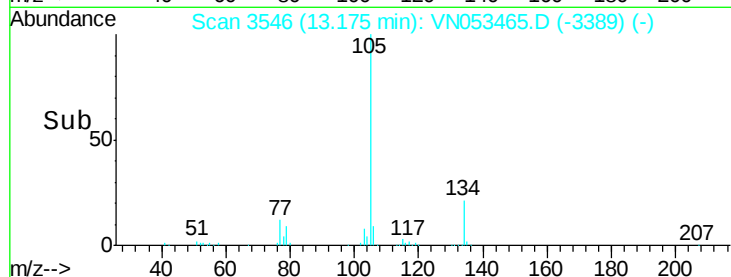
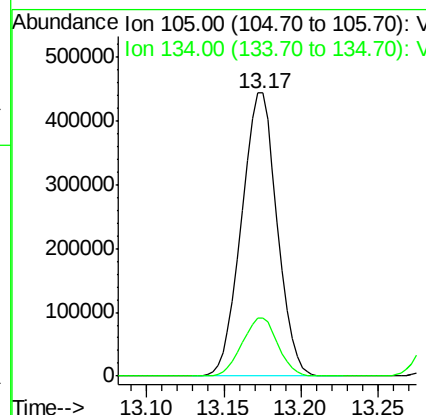
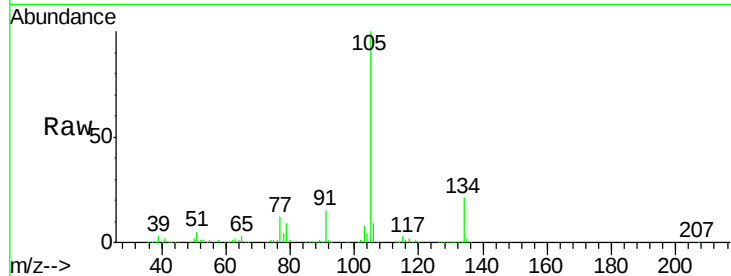
#81
 sec-Butylbenzene
 Concen: 20.596 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0118WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	0.0	40.4

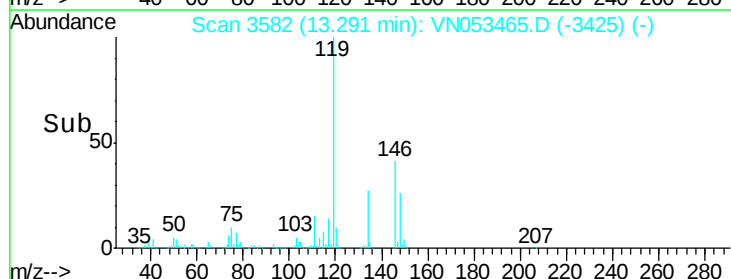
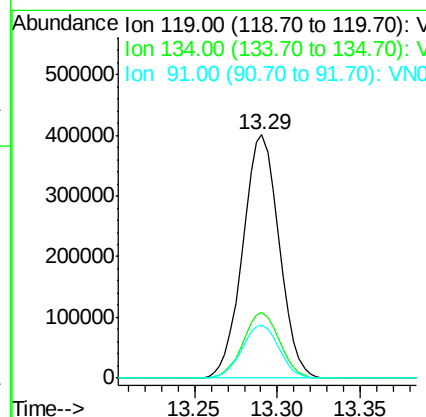
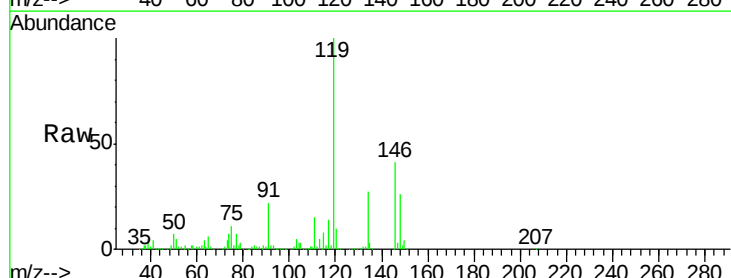
Manual Integrations
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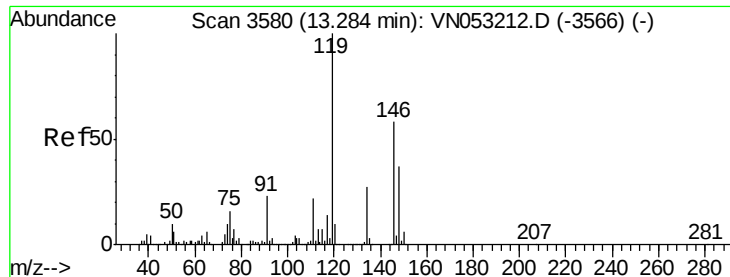
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#82
 p-Isopropyltoluene
 Concen: 20.552 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	0.0	52.6
91	22.2	0.0	46.2





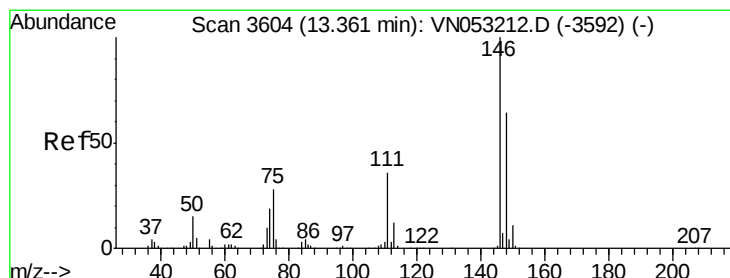
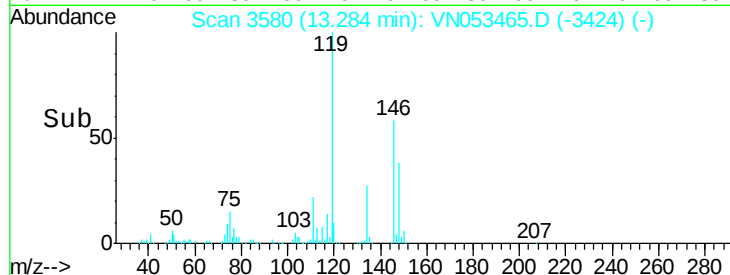
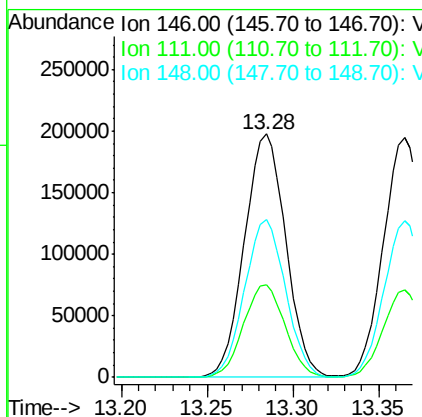
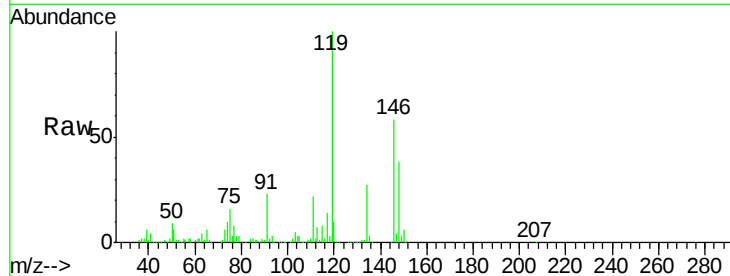
#83
 1,3-Dichlorobenzene
 Concen: 20.121 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0118WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.7	59.0
148	64.0	32.3	96.8

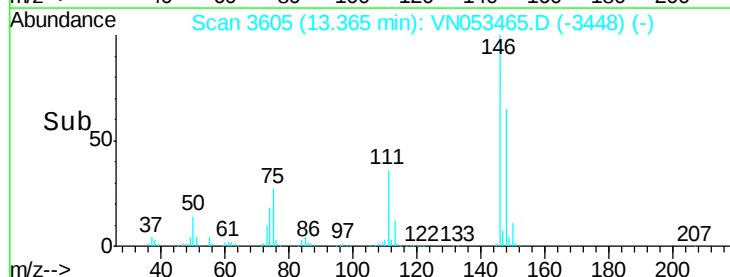
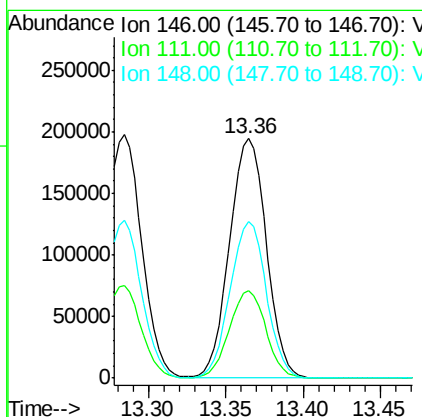
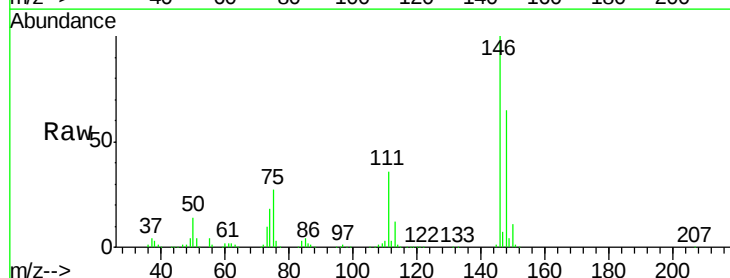
Manual Integrations
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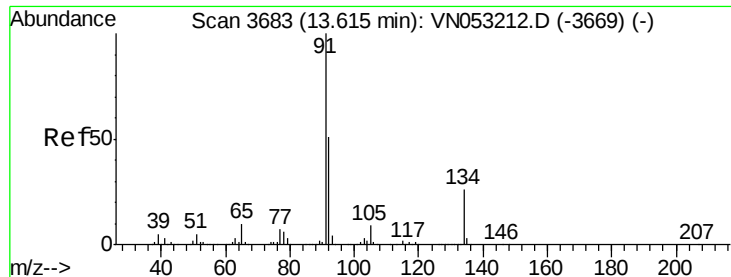
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#84
 1,4-Dichlorobenzene
 Concen: 20.116 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.8	56.3
148	64.4	32.5	97.4





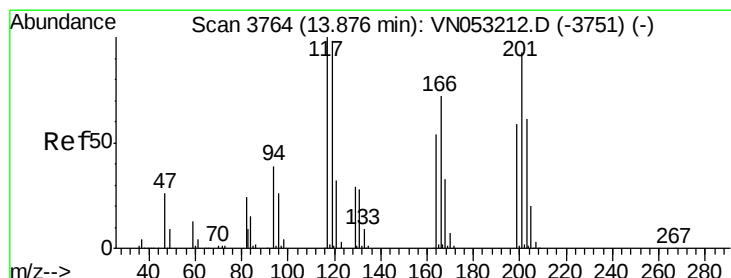
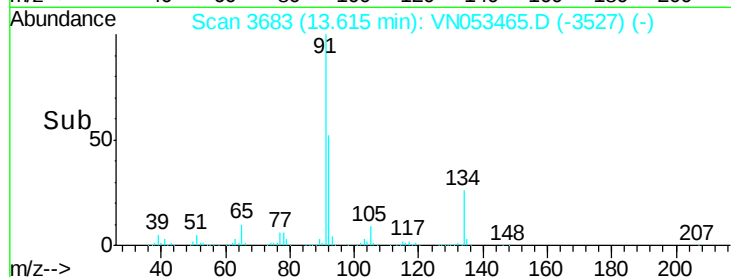
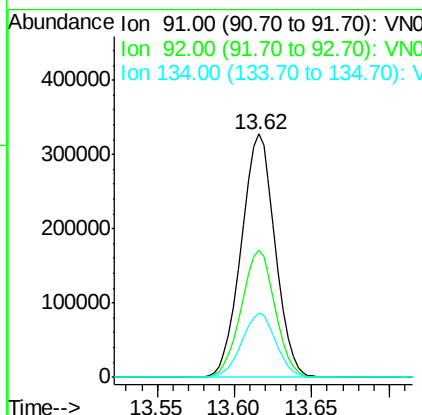
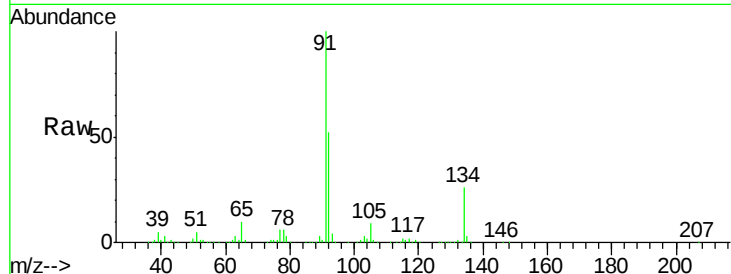
#85
n-Butylbenzene
Concen: 20.626 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0118WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	498380		
92	52.3	0.0	104.2	
134	26.5	0.0	50.6	

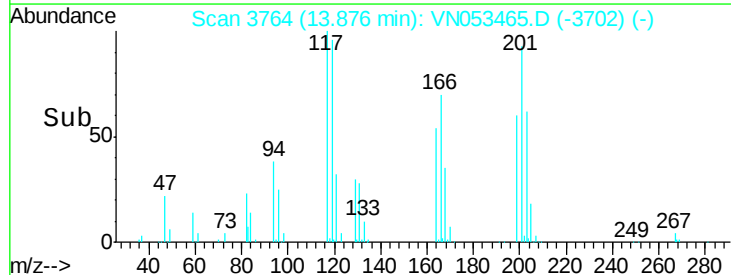
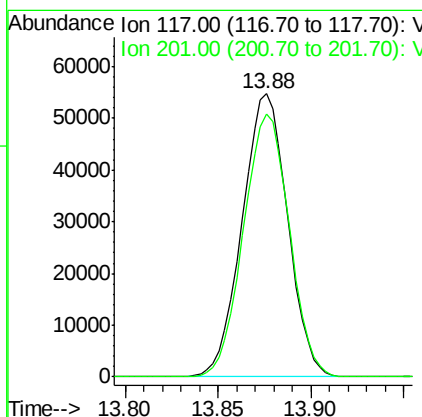
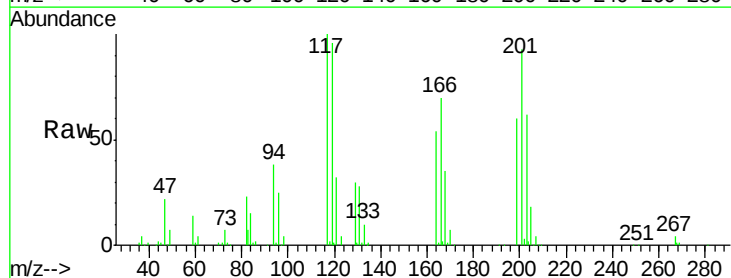
Manual Integrations
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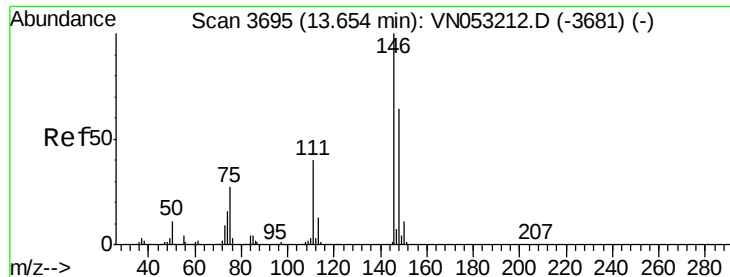
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#86
Hexachloroethane
Concen: 19.647 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	93204		
201	93.4	43.8	131.3	





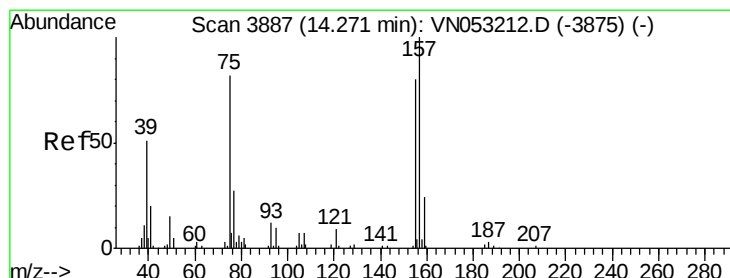
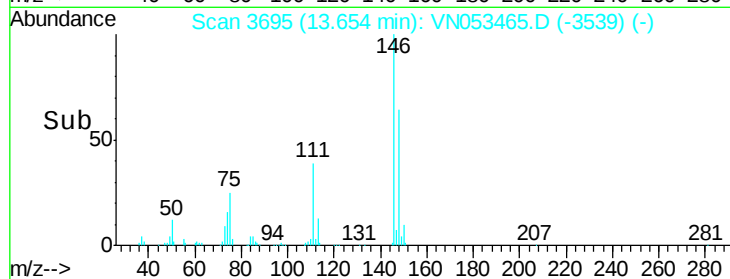
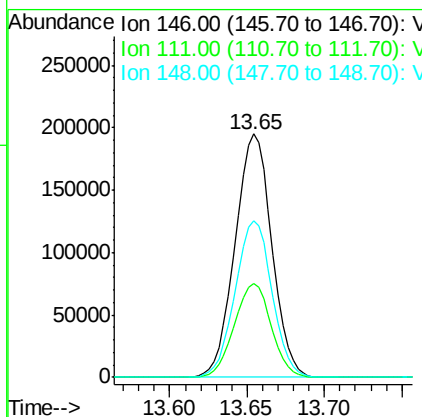
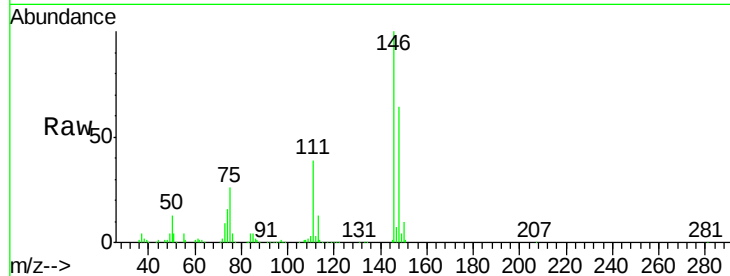
#87
 1,2-Dichlorobenzene
 Concen: 21.084 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.3	60.8
148	64.6	32.1	96.5

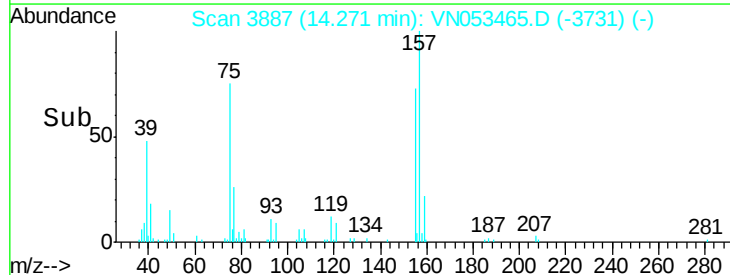
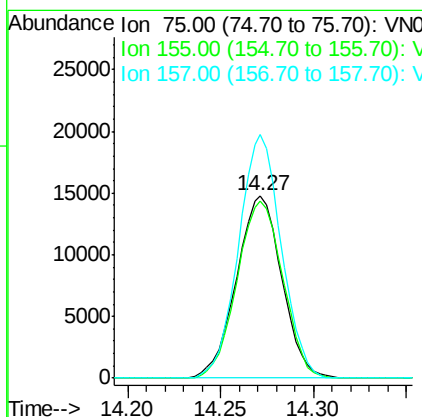
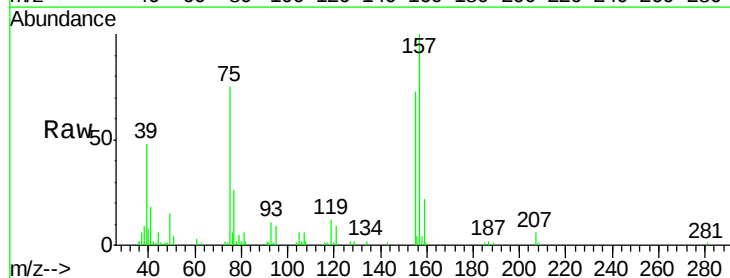
Manual Integrations
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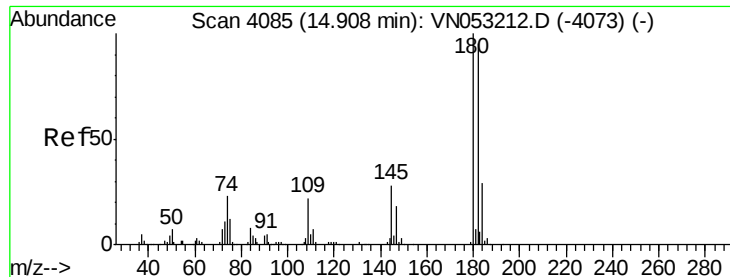
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 1/21/2019 10:47:52 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.273 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	72.2	108.2
157	125.4	94.2	141.2





#89

1,2,4-Trichlorobenzene

Concen: 19.026 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

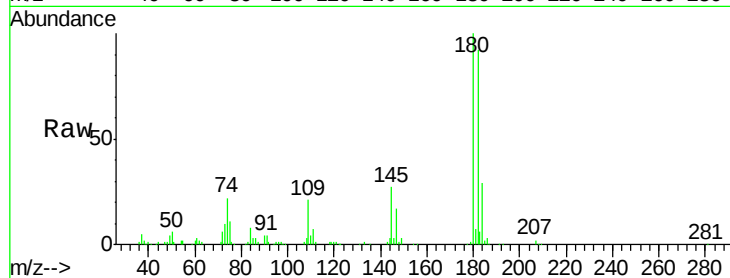
ClientSampleId :

VN0118WBSD01

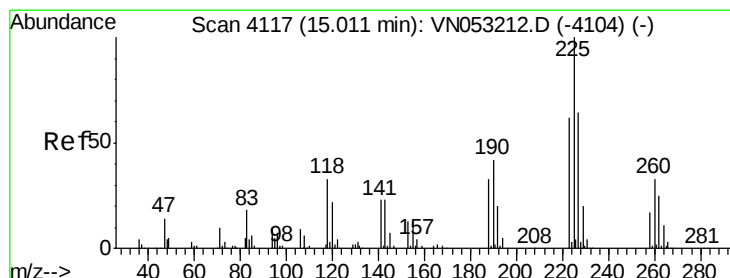
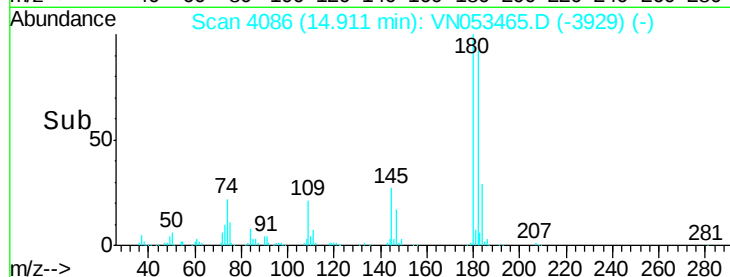
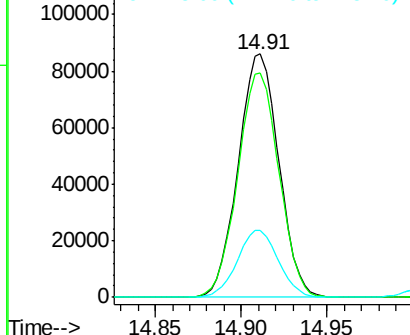
Tot Ion:	180	Resp:	140956
Ion Ratio	Lower	Upper	
180	100		
182	93.6	76.6	114.8
145	28.0	23.6	35.4

Manual Integrations
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Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 23.308 ug/l

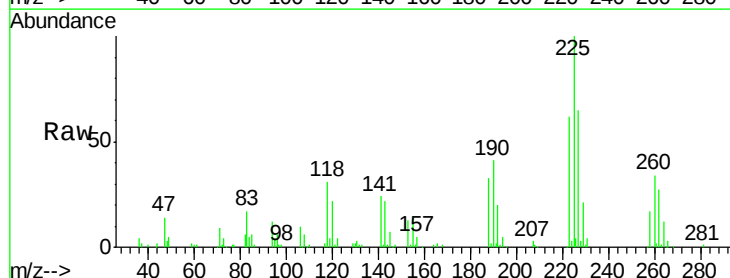
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

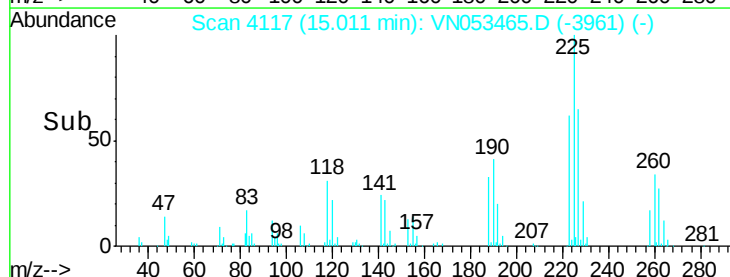
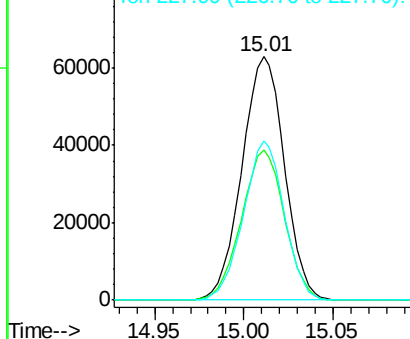
Lab File: VN053465.D

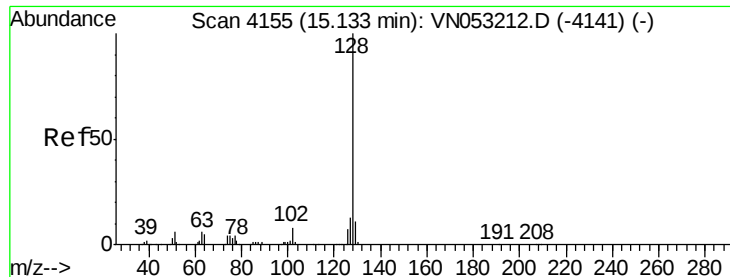
Acq: 18 Jan 2019 11:47

Tgt Ion:	225	Resp:	104526
Ion Ratio	Lower	Upper	
225	100		
223	62.3	0.0	125.6
227	62.7	0.0	127.8



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





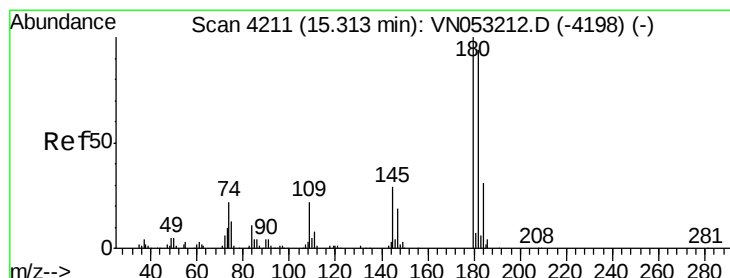
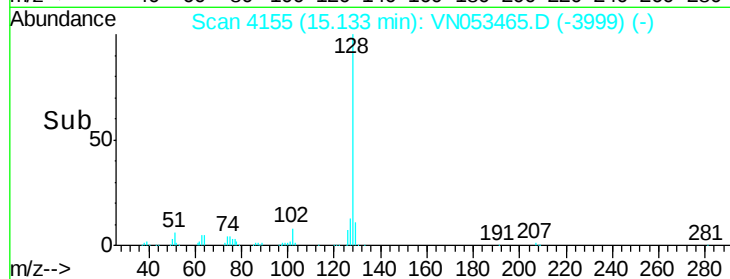
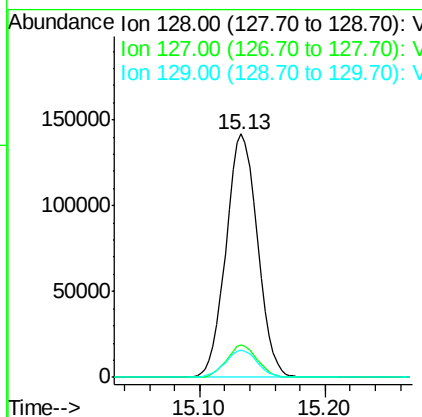
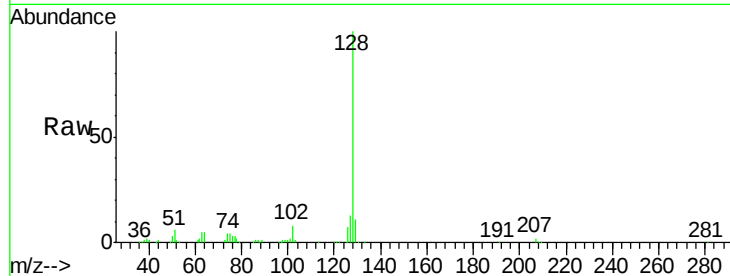
#91
Naphthalene
Concen: 15.726 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0118WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.9	14.9
129	11.3	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/21/2019 10:47:52 AM



#92
1,2,3-Trichlorobenzene
Concen: 15.979 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	0.0	196.2
145	30.3	0.0	62.2

