

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122118\
 Data File : VN053096.D
 Acq On : 21 Dec 2018 11:11
 Operator : MD\SY
 Sample : VN1221WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1221WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/22/2018 10:06:17 AM

Quant Time: Dec 22 01:04:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	167903	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	982807	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	867135	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	327218	28.60	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.33%
60) 4-Bromofluorobenzene	12.40	95	403560	30.44	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.47%
63) Toluene-d8	10.09	98	1149950	28.60	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.33%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	165113	17.266 ug/l	100
3) Chloromethane	2.06	50	218156	17.202 ug/l	100
4) Vinyl Chloride	2.19	62	229603	17.938 ug/l	99
5) Bromomethane	2.58	94	144381	19.783 ug/l	99
6) Chloroethane	2.71	64	140905	18.511 ug/l	99
7) Trichlorofluoromethane	3.03	101	296889	18.794 ug/l	100
8) Diethyl Ether	3.42	74	121655	20.856 ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.77	101	190557	19.029 ug/l	96
10) 1,1-Dichloroethene	3.74	96	187065	19.868 ug/l	93
11) Methyl Iodide	3.96	142	232782	17.806 ug/l	99
12) Methyl Acetate	4.33	43	183389	22.923 ug/l	97
13) Acrolein	3.61	56	82548	87.841 ug/l	100
14) Acrylonitrile	4.99	53	382511	112.216 ug/l	99
15) Acetone	3.82	58	82651	93.626 ug/l	90
16) Carbon Disulfide	4.06	76	507378	17.020 ug/l	100
17) Allyl chloride	4.33	41	285429	17.382 ug/l	97
18) Methylene Chloride	4.56	84	219609	20.144 ug/l	93
19) trans-1,2-Dichloroethene	5.05	96	197418	19.483 ug/l	93
20) Diisopropyl ether	5.95	45	663505	19.228 ug/l	97
21) 1,1-Dichloroethane	5.85	63	380919	19.368 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	234868	20.225 ug/l	96
23) tert-Butyl Alcohol	4.78	59	73321	144.595 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	551586	22.331 ug/l	96
25) Chloroform	7.37	83	371978	19.604 ug/l	97
26) Cyclohexane	7.66	56	329812	17.780 ug/l #	96
29) 1,1-Dichloropropene	7.80	75	285388	19.015 ug/l	98
30) 2-Butanone	6.84	43	421655	104.993 ug/l	97
31) 2,2-Dichloropropane	6.83	77	284238	20.571 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	310724	19.897 ug/l	97
33) Carbon Tetrachloride	7.78	117	268125	19.622 ug/l	99
34) Benzene	8.05	78	878202	19.462 ug/l	97
35) Methacrylonitrile	7.17	41	94881	19.042 ug/l	97
36) 1,2-Dichloroethane	8.13	62	262012	19.162 ug/l	97
37) Trichloroethene	8.84	130	237486	20.755 ug/l	98
38) Methylcyclohexane	9.08	83	326452	17.571 ug/l	96
39) 1,2-Dichloropropane	9.12	63	235086	19.436 ug/l	99
40) Dibromomethane	9.21	93	135181	20.681 ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	284450	19.697	ug/l	99
42) Vinyl Acetate	5.90	43	2079505	95.701	ug/l	97
43) Ethyl Acetate	6.84	43	421655	49.376	ug/l	100
44) Isopropyl Acetate	8.17	43	349674	23.348	ug/l #	80
45) 1,4-Dioxane	9.20	88	45154	551.108	ug/l	89
46) Methyl methacrylate	9.20	41	173222	22.276	ug/l	97
47) n-amyl Acetate	12.07	43	300440	24.194	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	290006	20.711	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	340145	19.938	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	199747	21.558	ug/l	99
51) Ethyl methacrylate	10.43	69	268854	23.104	ug/l	92
52) 1,3-Dichloropropane	10.71	76	339267	20.572	ug/l	99
53) Dibromochloromethane	10.90	129	217559	21.328	ug/l	98
54) 1,2-Dibromoethane	11.01	107	199717	22.059	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	764418	112.222	ug/l	98
56) Bromoform	12.13	173	151331	22.696	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	973419	115.792	ug/l	97
59) 2-Hexanone	10.75	43	670611	116.776	ug/l	97
61) Tetrachloroethene	10.63	164	251437	23.543	ug/l	96
62) Toluene	10.16	91	948834	19.849	ug/l	99
64) Chlorobenzene	11.44	112	599256	20.539	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	212426	20.975	ug/l	98
66) Ethyl Benzene	11.51	91	1029954	19.991	ug/l	100
67) m/p-Xylenes	11.62	106	782961	40.792	ug/l	98
68) o-Xylene	11.95	106	386856	20.766	ug/l	98
69) Styrene	11.97	104	629967	20.950	ug/l	98
70) Isopropylbenzene	12.25	105	1018455	20.547	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	236559	21.939	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	212531m	22.961	ug/l	
73) Bromobenzene	12.53	156	261521	21.815	ug/l	95
74) n-propylbenzene	12.59	91	1135111	19.654	ug/l	99
75) 2-Chlorotoluene	12.68	91	681446	20.328	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	804040	20.083	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	65841	22.518	ug/l	96
78) 4-Chlorotoluene	12.78	91	678023	20.253	ug/l	99
79) tert-butylbenzene	12.99	119	710394	20.374	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	810481	20.231	ug/l	100
81) sec-Butylbenzene	13.17	105	938162	19.318	ug/l	100
82) p-Isopropyltoluene	13.29	119	805522	19.479	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	440290	20.882	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	435853	21.396	ug/l	98
85) n-Butylbenzene	13.62	91	635308	17.885	ug/l	98
86) Hexachloroethane	13.88	117	126323	18.028	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	424719	21.168	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	33829	22.398	ug/l	91
89) 1,2,4-Trichlorobenzene	14.91	180	203704	20.607	ug/l	99
90) Hexachlorobutadiene	15.01	225	128879	19.874	ug/l	99
91) Naphthalene	15.14	128	464076	23.247	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	189608	20.813	ug/l	97

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ClientSampleId :
VN1221WBSD01

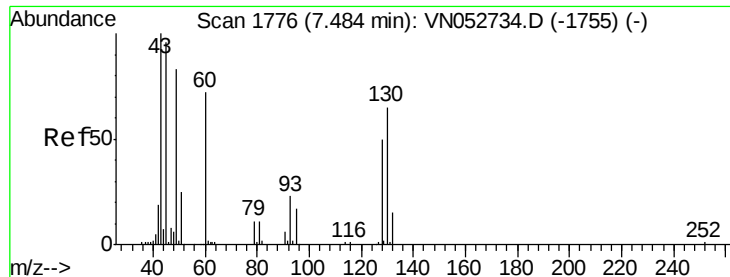
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

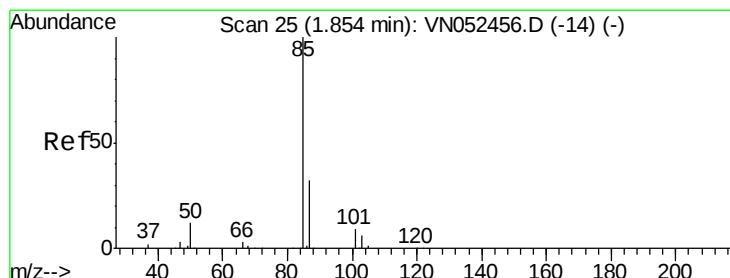
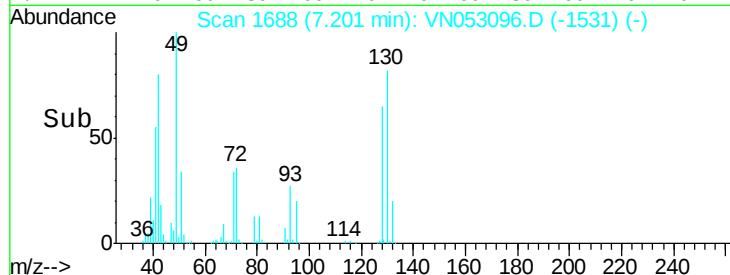
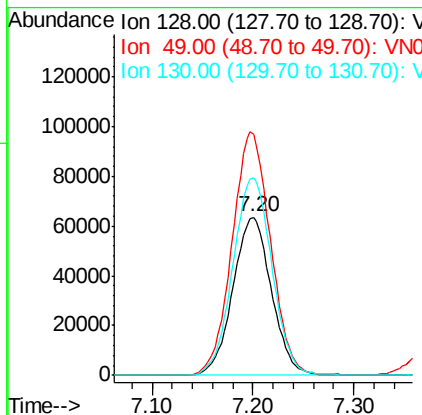
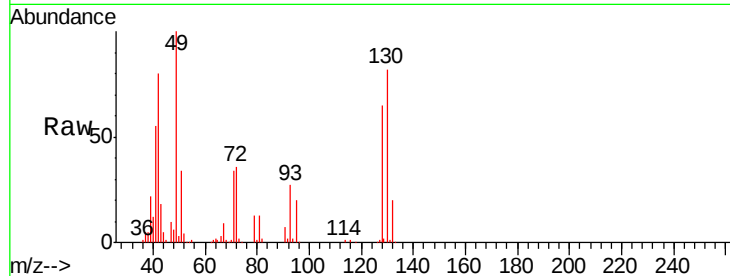
ClientSampleId :

VN1221WBSD01

Tgt Ion:	128	Resp:	167903
Ion Ratio	Lower	Upper	
128	100		
49	154.3	0.0	431.8
130	127.9	0.0	317.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 17.266 ug/l

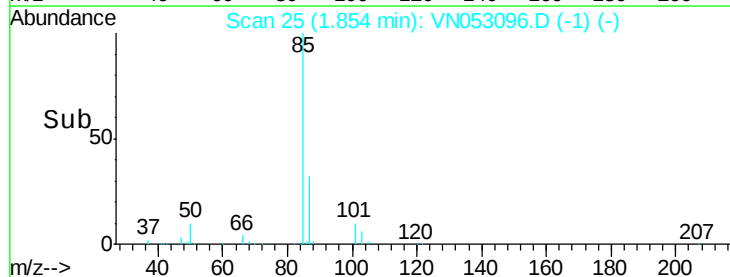
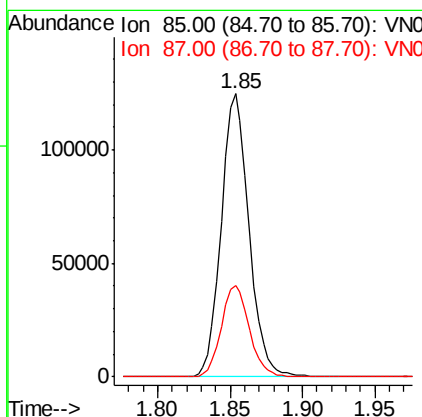
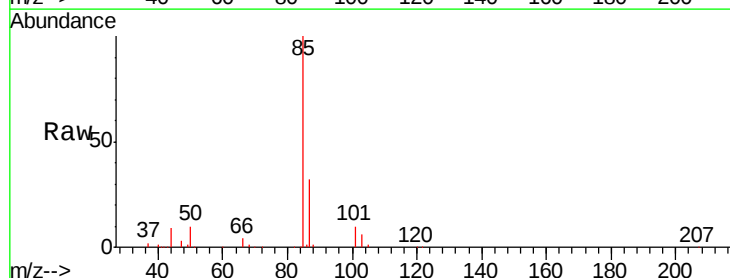
RT: 1.85 min Scan# 25

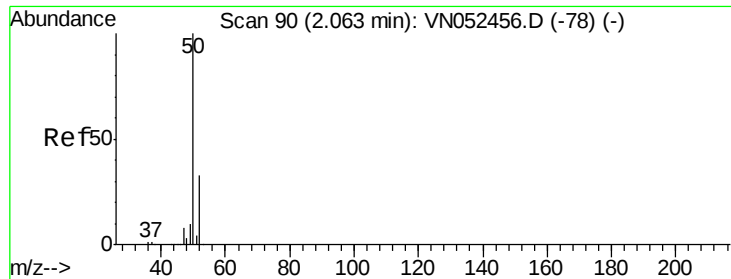
Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Tgt Ion:	85	Resp:	165113
Ion Ratio	Lower	Upper	
85	100		
87	32.4	16.1	48.3





#3

Chloromethane

Concen: 17.202 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

Tgt Ion: 50 Resp: 218156

Ion Ratio Lower Upper

50 100

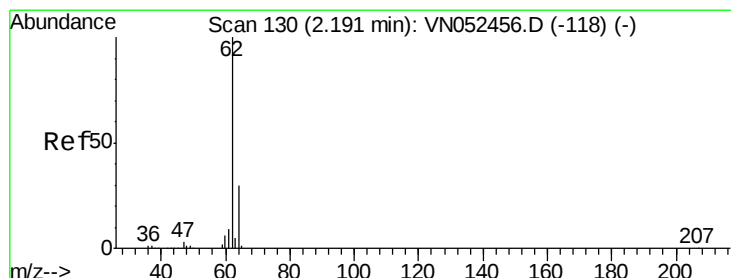
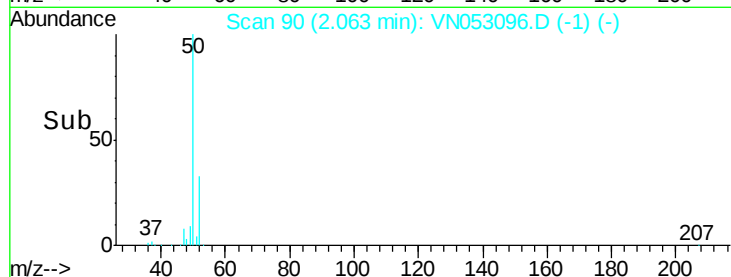
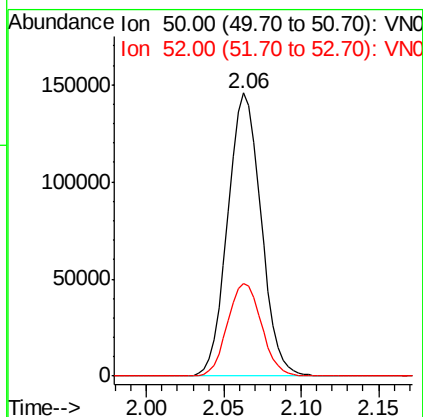
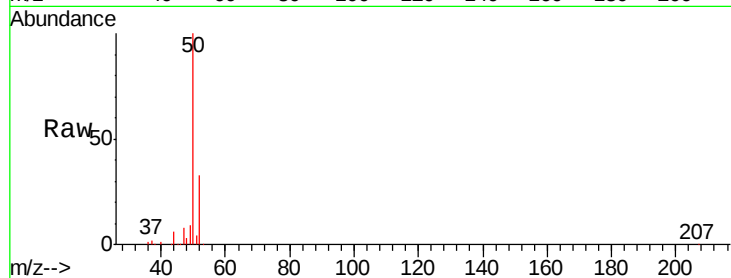
52 32.9 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.938 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053096.D

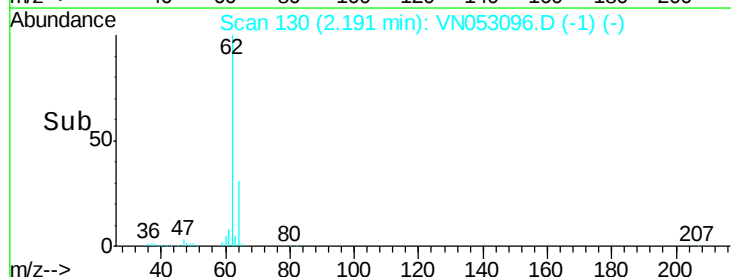
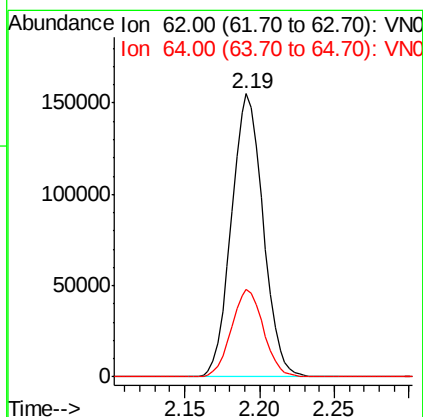
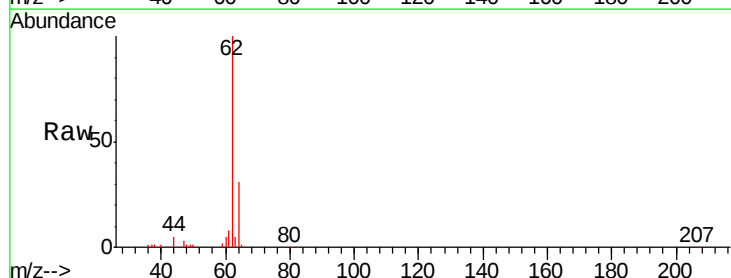
Acq: 21 Dec 2018 11:11

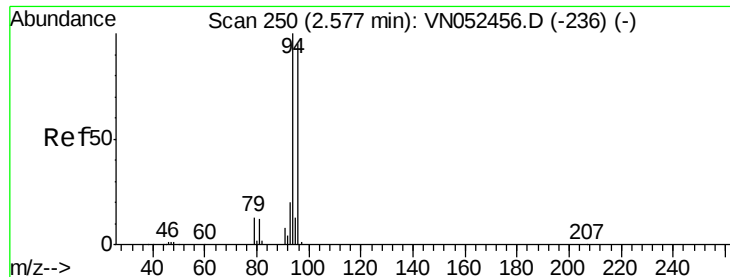
Tgt Ion: 62 Resp: 229603

Ion Ratio Lower Upper

62 100

64 30.9 24.2 36.4





#5

Bromomethane

Concen: 19.783 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

Tgt Ion: 94 Resp: 144381

Ion Ratio Lower Upper

94 100

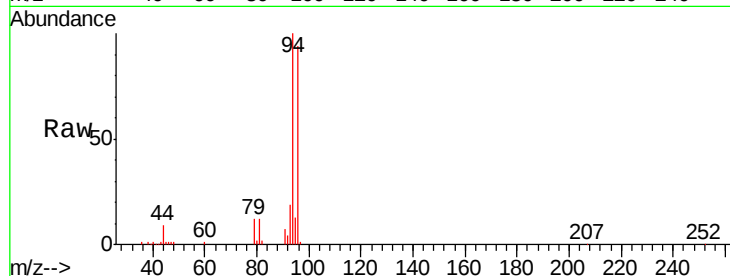
96 93.8 76.2 114.2

Manual Integrations

APPROVED

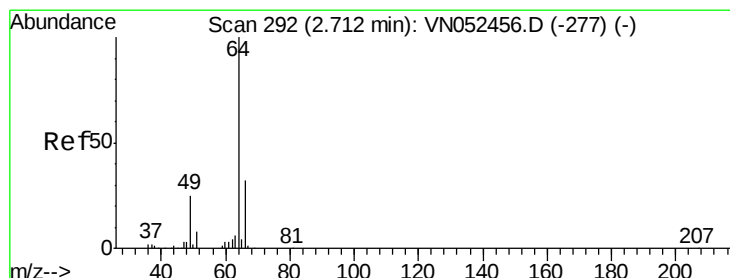
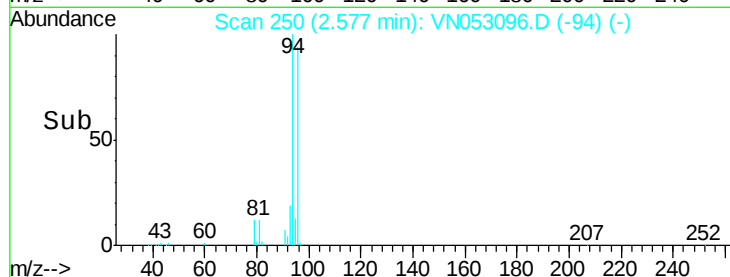
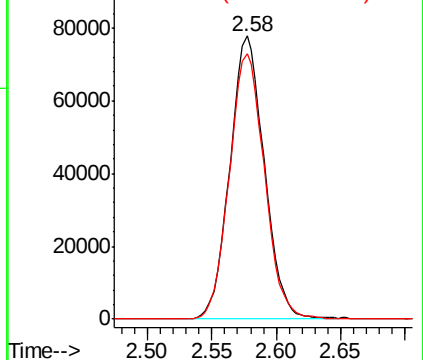
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.511 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053096.D

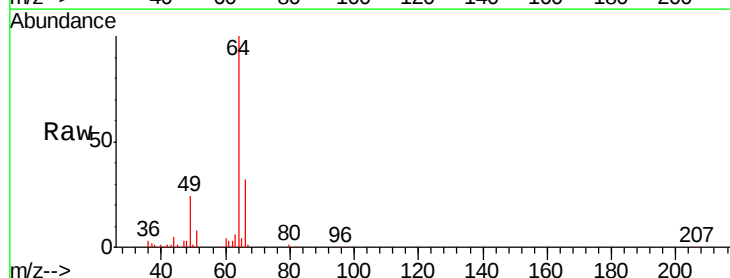
Acq: 21 Dec 2018 11:11

Tgt Ion: 64 Resp: 140905

Ion Ratio Lower Upper

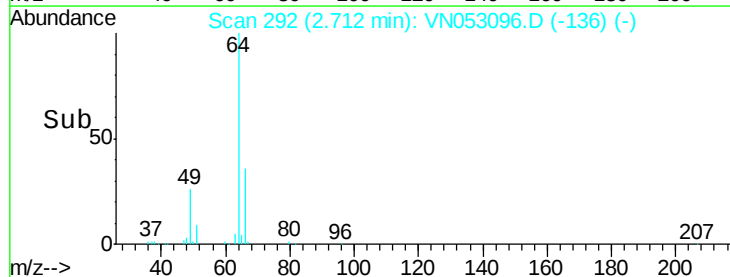
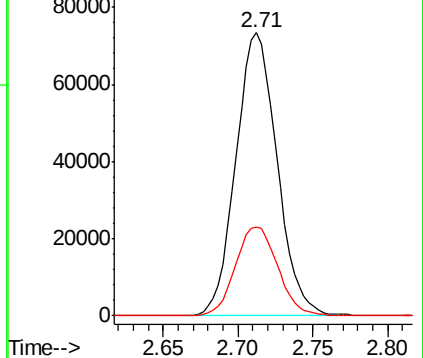
64 100

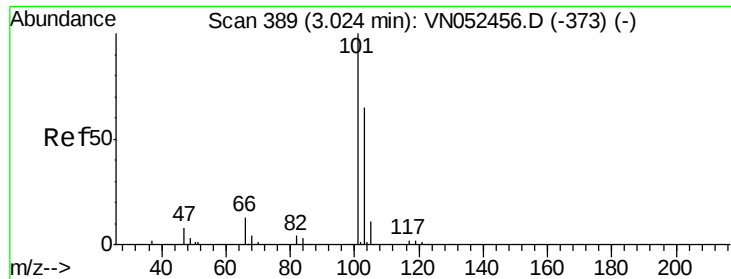
66 31.5 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

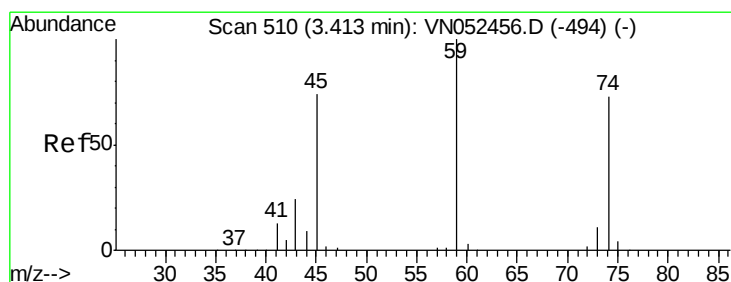
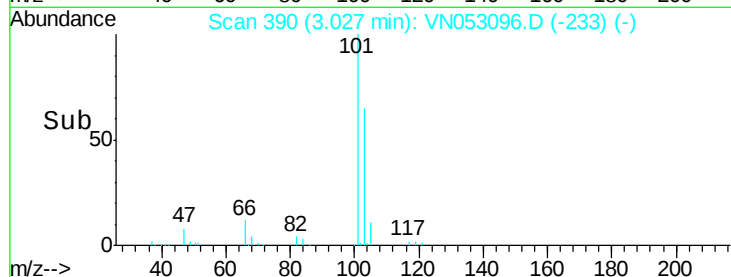
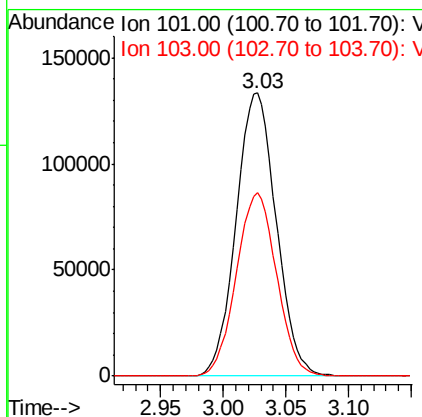
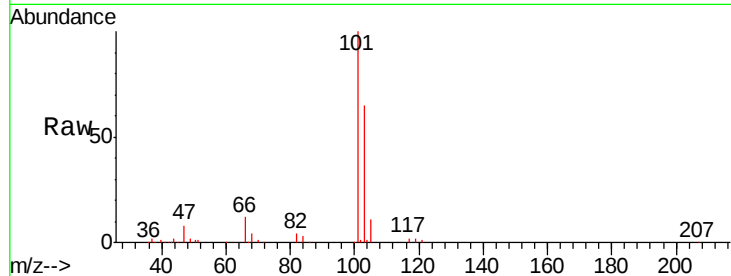
Trichlorofluoromethane
Concen: 18.794 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		296889		
103	64.7	52.1	78.1		

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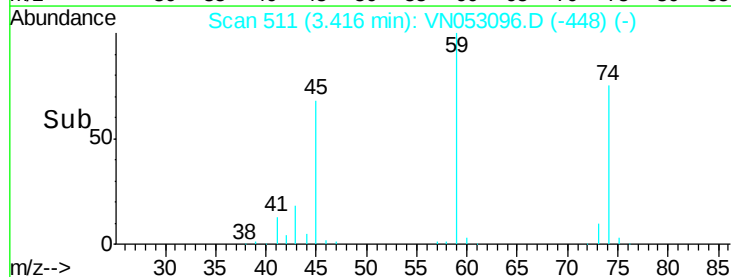
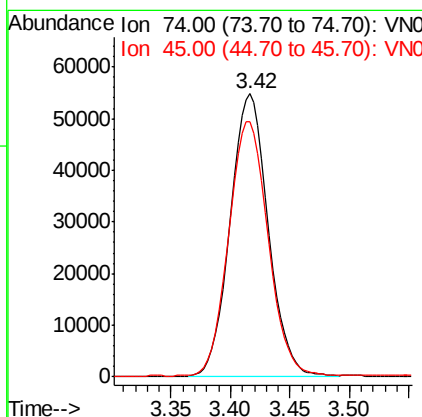
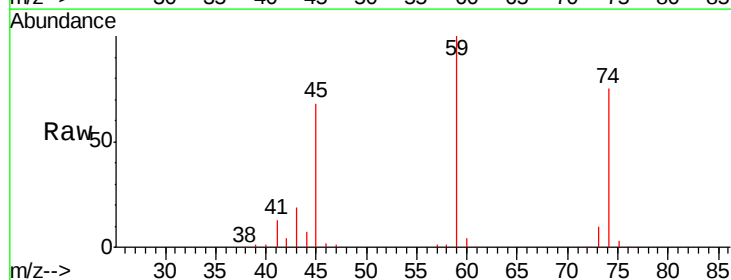
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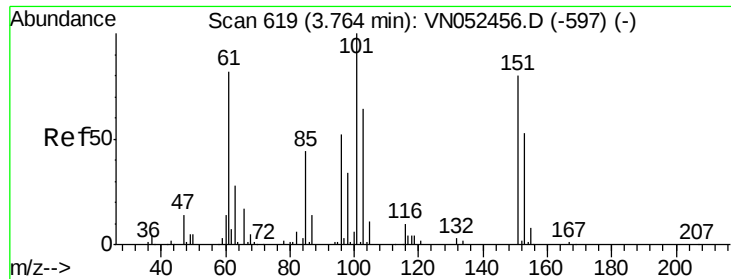


#8

Diethyl Ether
Concen: 20.856 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		121655		
45	92.1	20.6	185.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.029 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

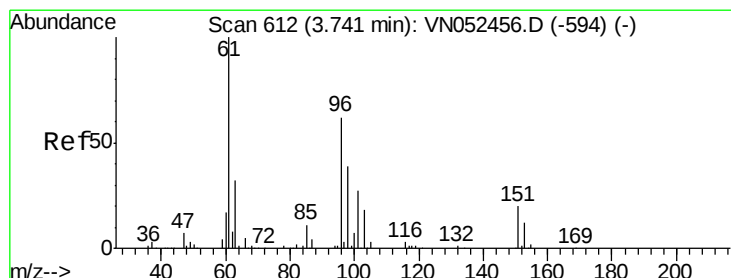
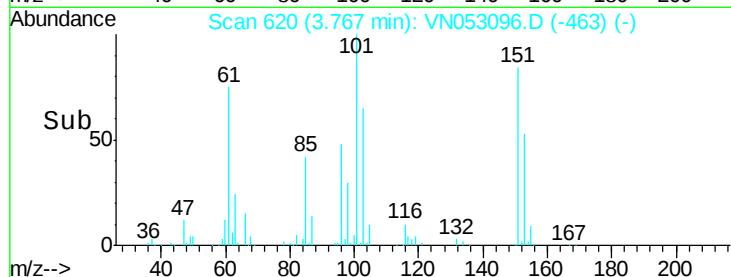
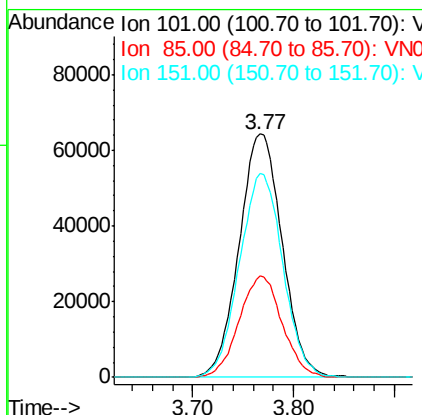
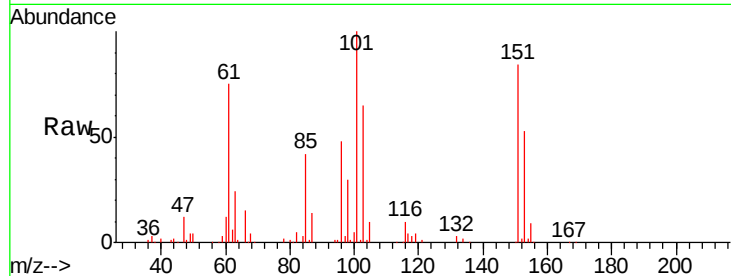
ClientSampleId :

VN1221WBSD01

Tgt Ion:	101	Resp:	190557
Ion Ratio		Lower	Upper
101	100		
85	41.7	0.0	82.6
151	84.5	0.0	158.4

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#10

1,1-Dichloroethene

Concen: 19.868 ug/l

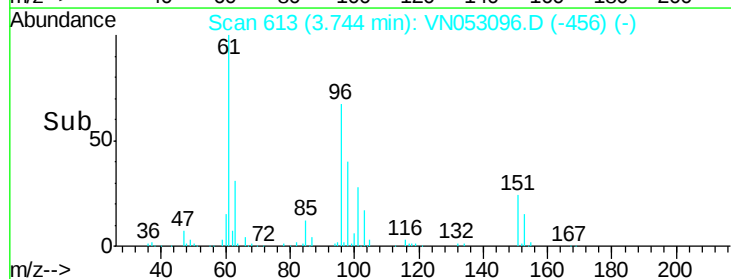
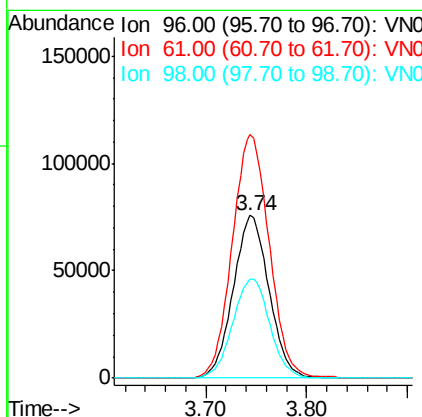
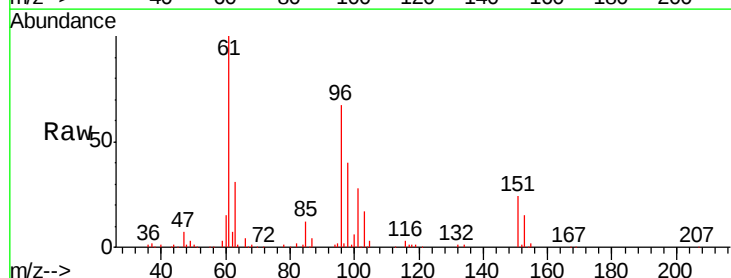
RT: 3.74 min Scan# 613

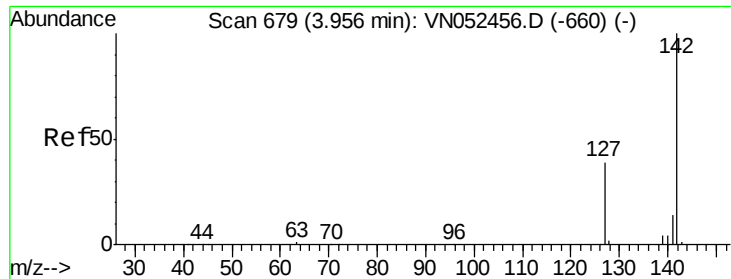
Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Tgt Ion:	96	Resp:	187065
Ion Ratio		Lower	Upper
96	100		
61	149.7	129.4	194.2
98	60.6	50.4	75.6





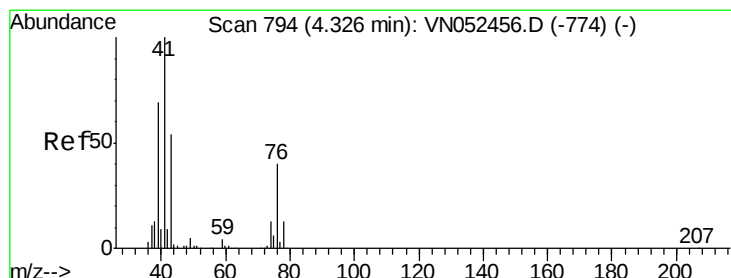
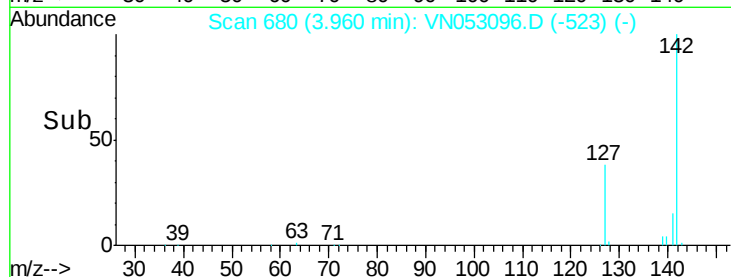
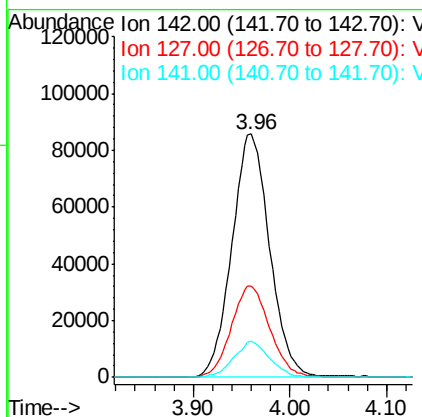
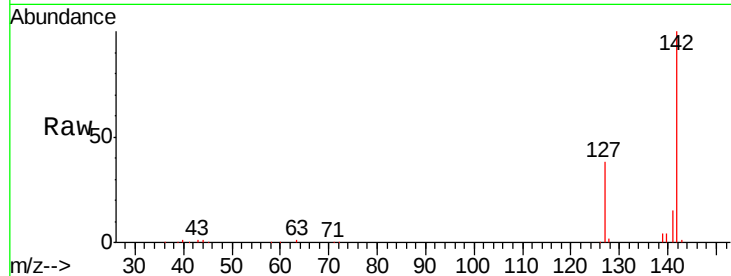
#11
Methyl Iodide
Concen: 17.806 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	37.7	19.4	58.1
141	14.8	7.2	21.6

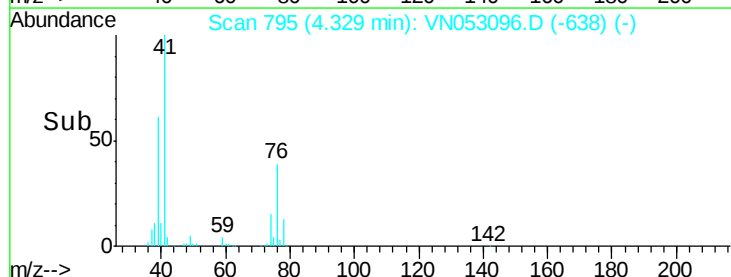
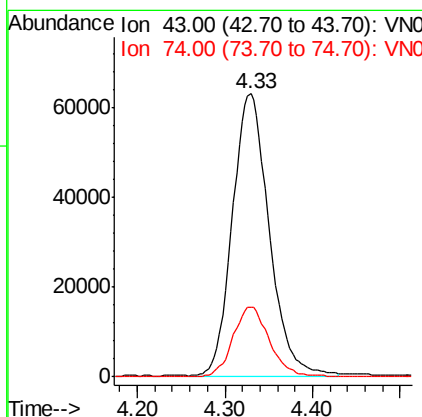
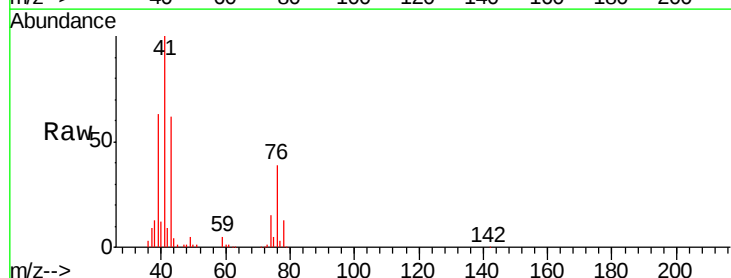
Manual Integrations
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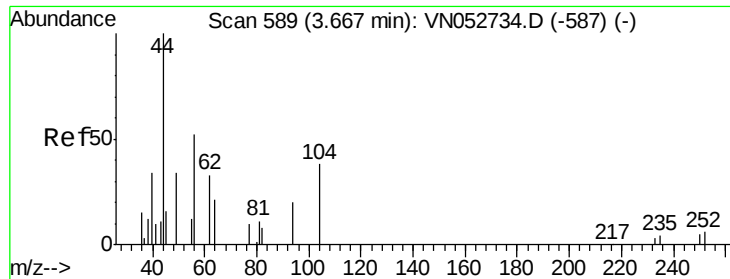
MMDadoda
12/22/2018 10:06:17 AM



#12
Methyl Acetate
Concen: 22.923 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	18.9	28.3





#13

Acrolein

Concen: 87.841 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

Tgt Ion: 56 Resp: 82548

Ion Ratio Lower Upper

56 100

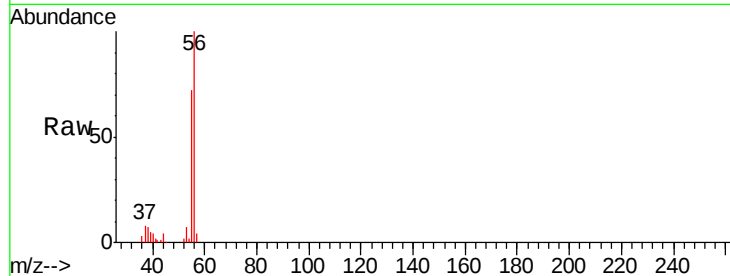
55 71.1 56.7 85.1

Manual Integrations

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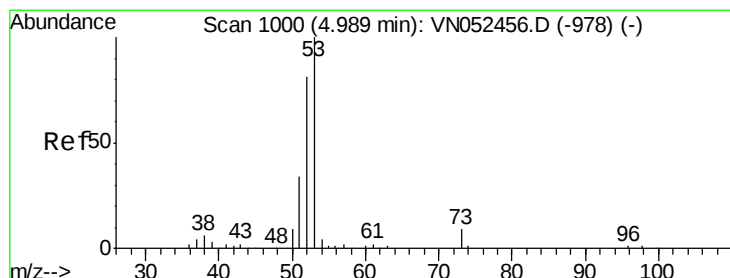
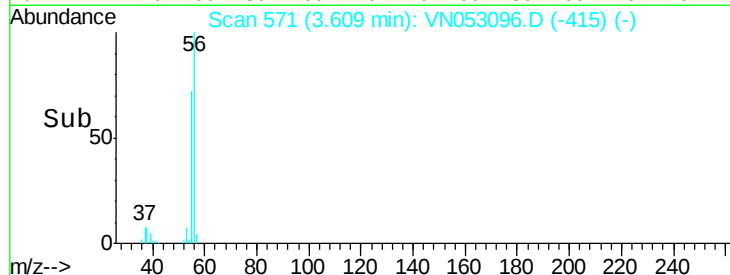
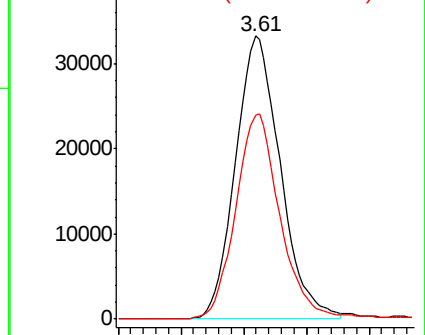
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 112.216 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

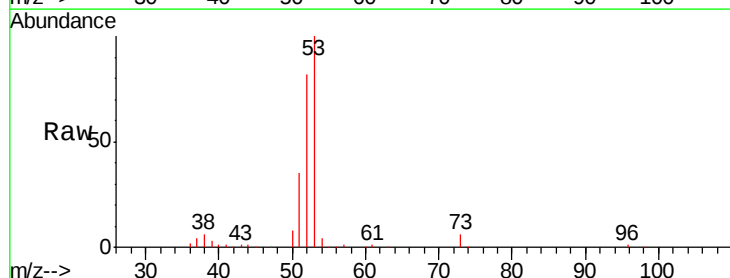
Tgt Ion: 53 Resp: 382511

Ion Ratio Lower Upper

53 100

52 80.6 39.9 119.7

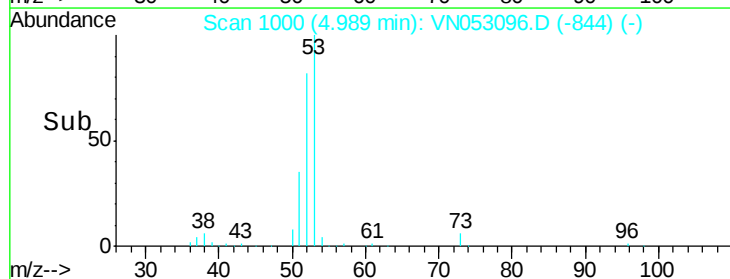
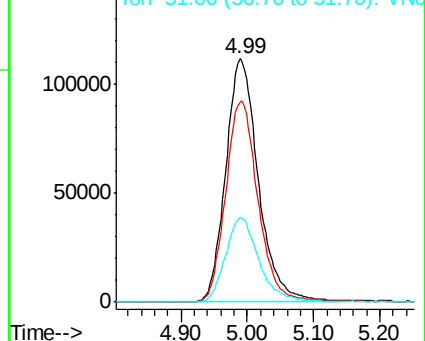
51 35.7 17.6 52.9

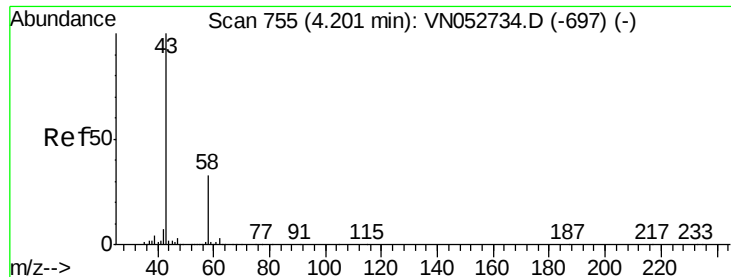


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 93.626 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

Tgt Ion: 58 Resp: 82651

Ion Ratio Lower Upper

58 100

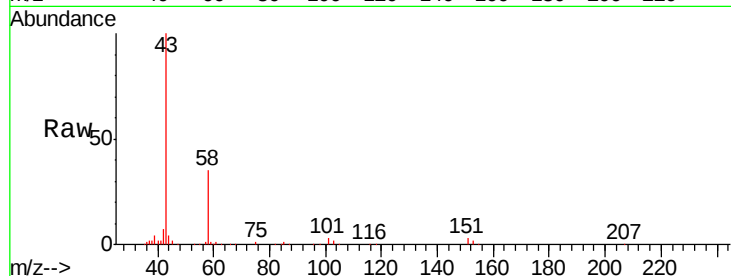
43 284.4 243.6 365.4

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

100000

80000

60000

40000

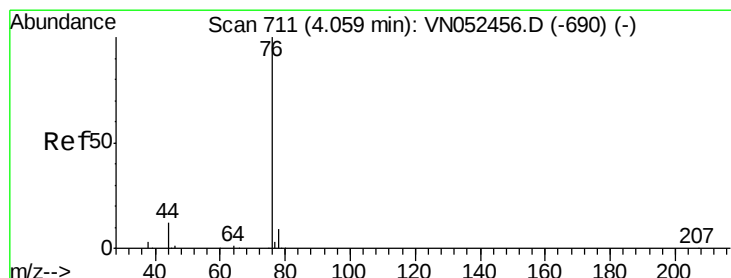
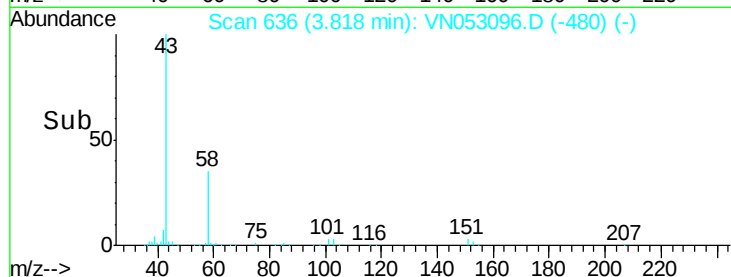
20000

0

3.70 3.80 3.90

3.82

Time-->



#16

Carbon Disulfide

Concen: 17.020 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053096.D

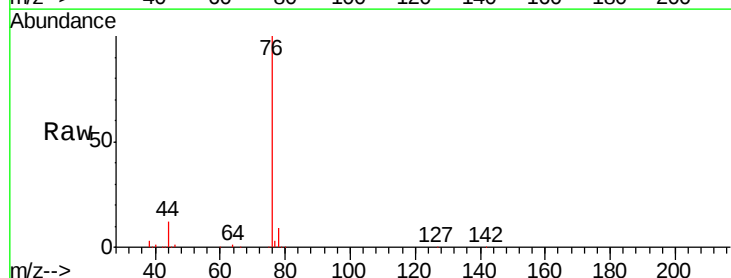
Acq: 21 Dec 2018 11:11

Tgt Ion: 76 Resp: 507378

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

200000

150000

100000

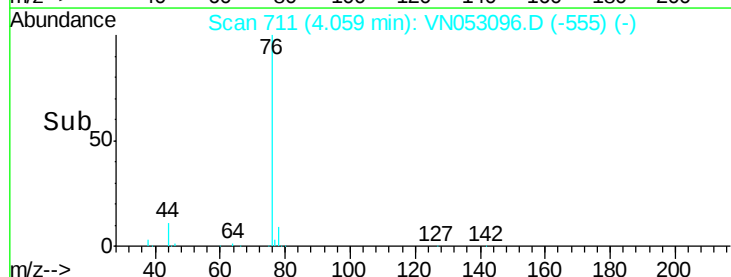
50000

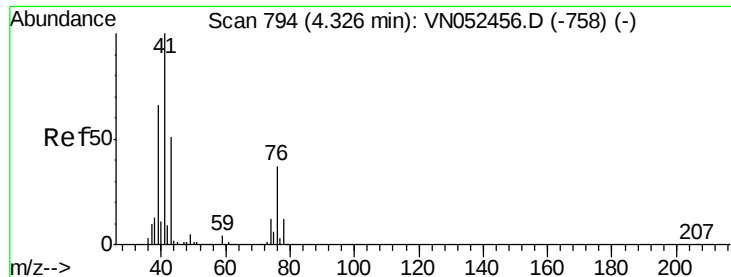
0

4.00 4.10 4.20

4.06

Time-->





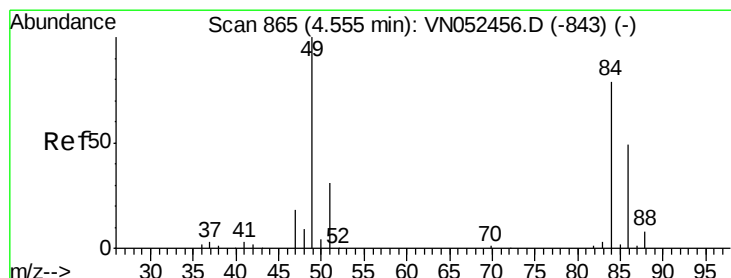
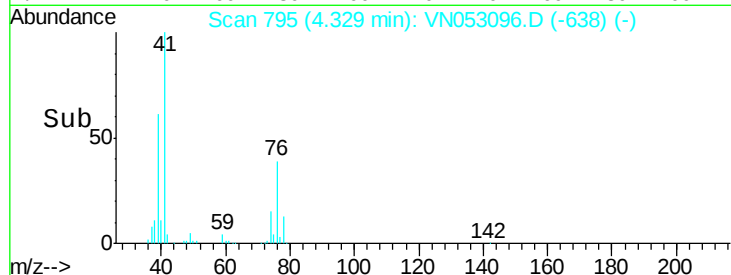
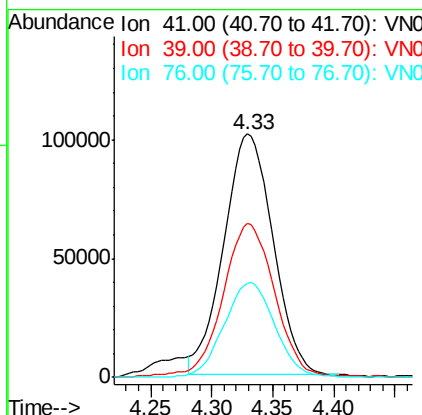
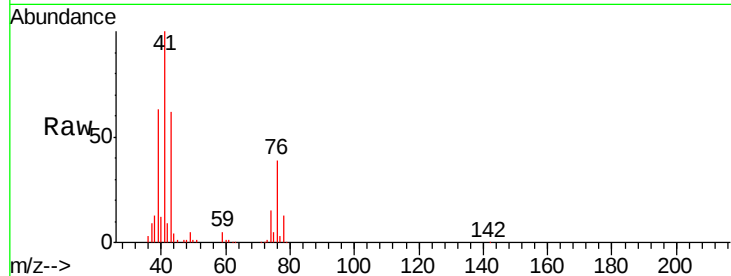
#17
 Allyl chloride
 Concen: 17.382 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.5	32.8	98.3
76	38.8	18.6	55.8

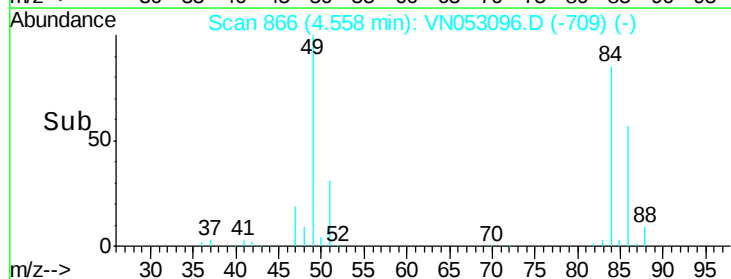
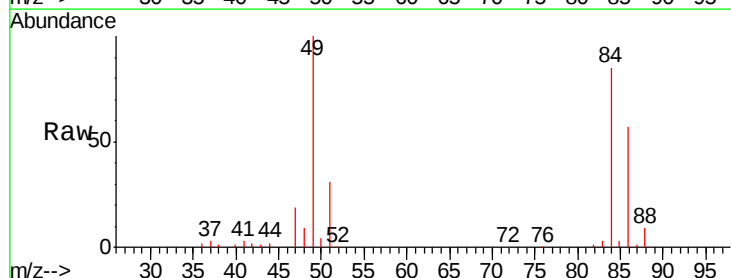
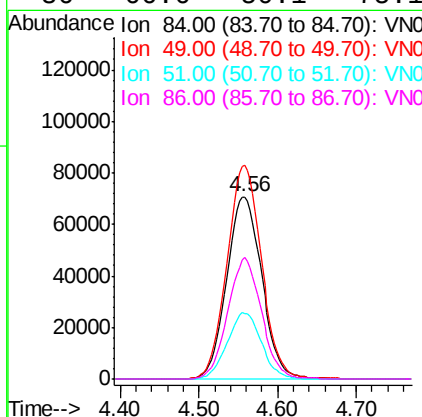
Manual Integrations
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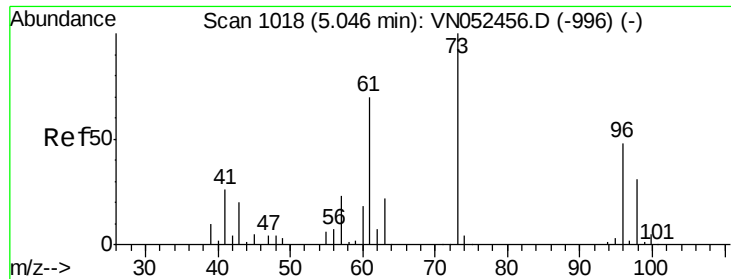
MMDadoda
 12/22/2018 10:06:17 AM



#18
 Methylene Chloride
 Concen: 20.144 ug/l
 RT: 4.56 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.0	101.4	152.0
51	36.1	31.7	47.5
86	66.6	50.1	75.1





#19

trans-1,2-Dichloroethene

Concen: 19.483 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

Tgt Ion: 96 Resp: 197418

Ion Ratio Lower Upper

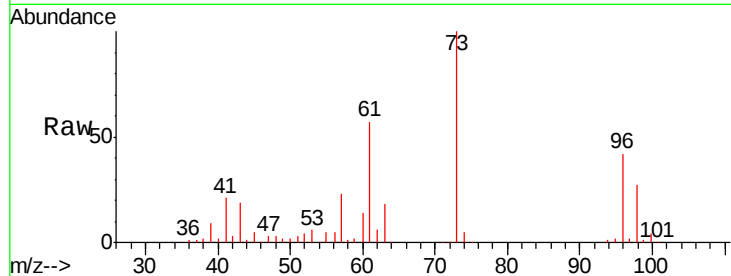
96 100

61 135.1 118.2 177.4

98 63.8 51.4 77.2

Manual Integrations
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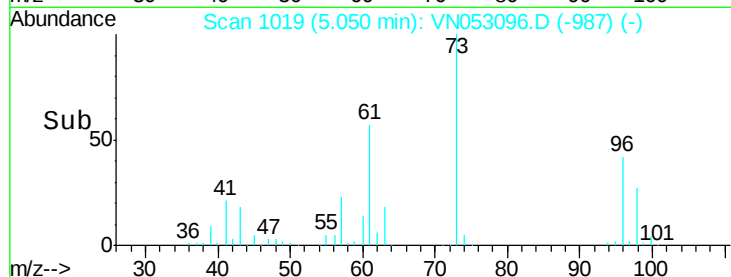


Abundance Ion 96.00 (95.70 to 96.70): VN052456.D (-996) (-)

Ion 61.00 (60.70 to 61.70): VN052456.D (-996) (-)

Ion 98.00 (97.70 to 98.70): VN052456.D (-996) (-)

Time-->

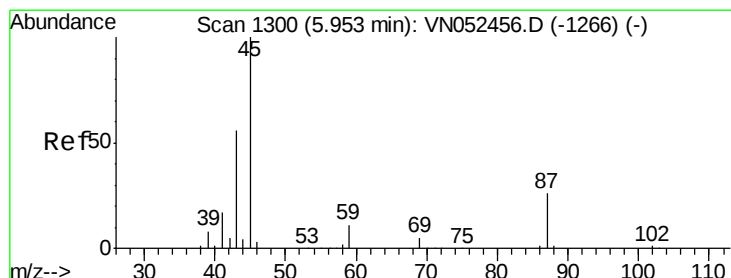


Abundance Ion 96.00 (95.70 to 96.70): VN053096.D (-987) (-)

Ion 61.00 (60.70 to 61.70): VN053096.D (-987) (-)

Ion 98.00 (97.70 to 98.70): VN053096.D (-987) (-)

Time-->



#20

Diisopropyl ether

Concen: 19.228 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Tgt Ion: 45 Resp: 663505

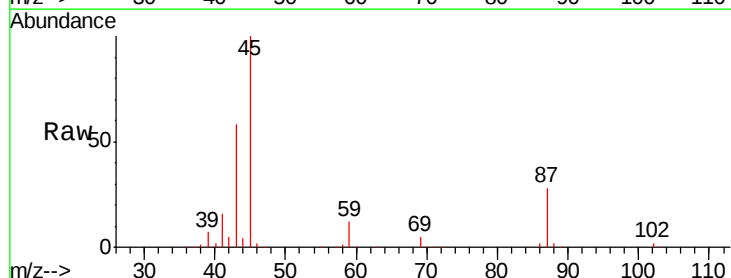
Ion Ratio Lower Upper

45 100

43 57.1 47.8 71.8

87 28.2 21.3 31.9

59 11.5 8.9 13.3



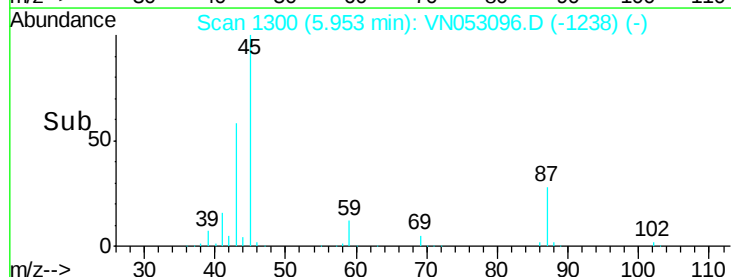
Abundance Ion 45.00 (44.70 to 45.70): VN052456.D (-1266) (-)

Ion 43.00 (42.70 to 43.70): VN052456.D (-1266) (-)

Ion 87.00 (86.70 to 87.70): VN052456.D (-1266) (-)

Ion 59.00 (58.70 to 59.70): VN052456.D (-1266) (-)

Time-->



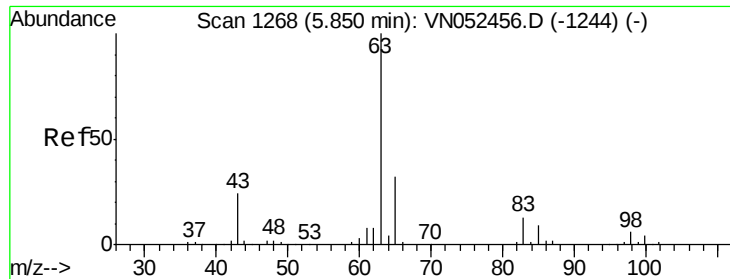
Abundance Ion 45.00 (44.70 to 45.70): VN053096.D (-1238) (-)

Ion 43.00 (42.70 to 43.70): VN053096.D (-1238) (-)

Ion 87.00 (86.70 to 87.70): VN053096.D (-1238) (-)

Ion 59.00 (58.70 to 59.70): VN053096.D (-1238) (-)

Time-->



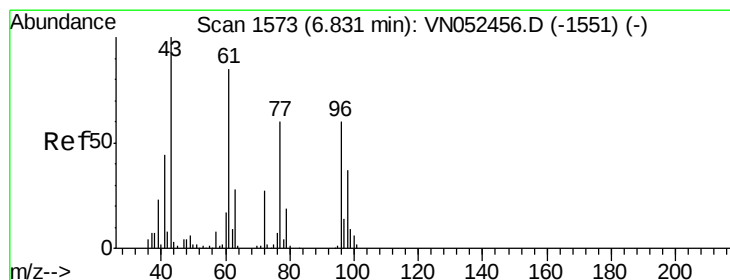
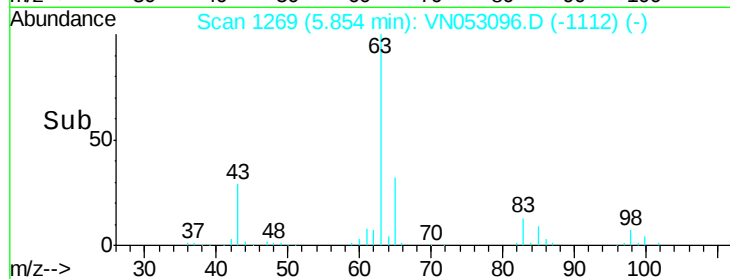
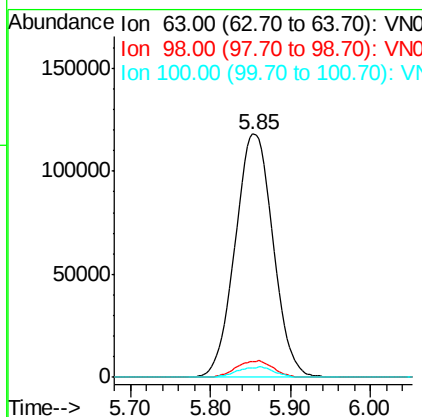
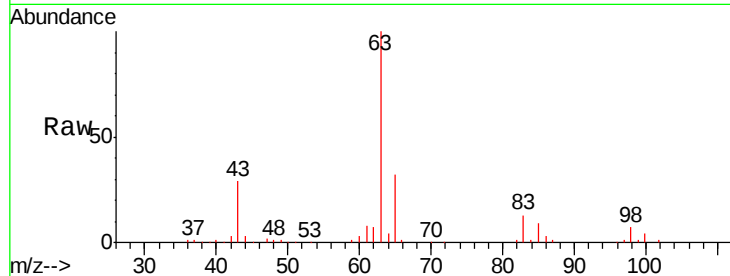
#21
 1,1-Dichloroethane
 Concen: 19.368 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
63	100		
98	6.5	3.0	9.2
100	4.1	1.8	5.5

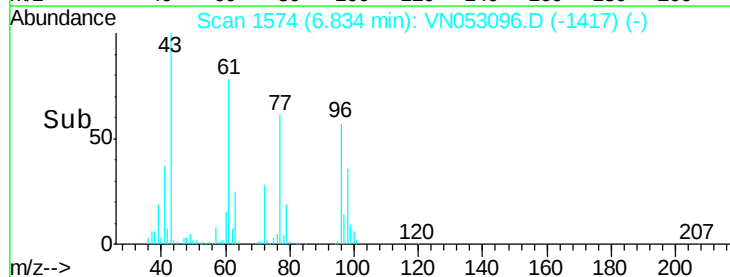
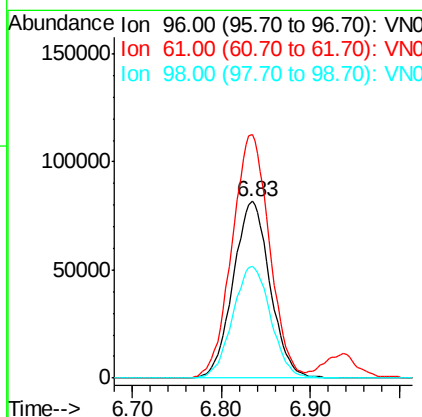
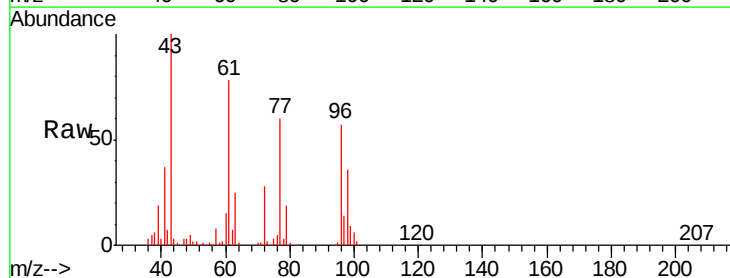
Manual Integrations
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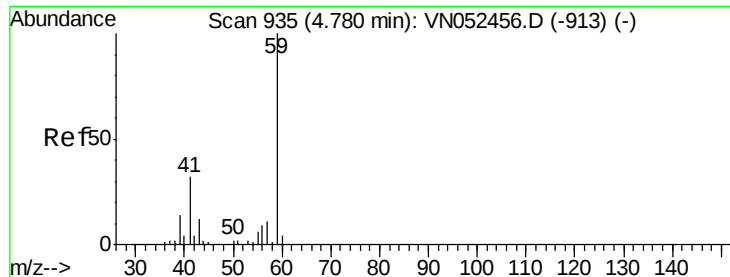
MMDadoda
 12/22/2018 10:06:17 AM



#22
 cis-1,2-Dichloroethene
 Concen: 20.225 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	140.2	116.7	175.1
98	65.1	50.8	76.2





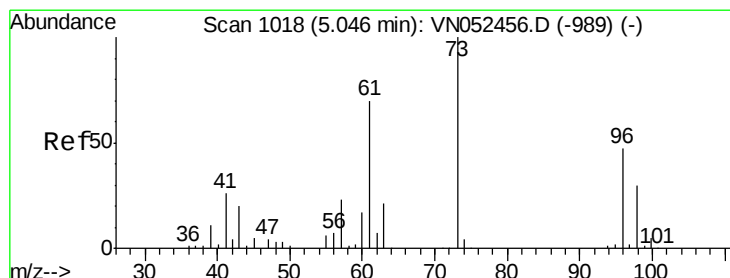
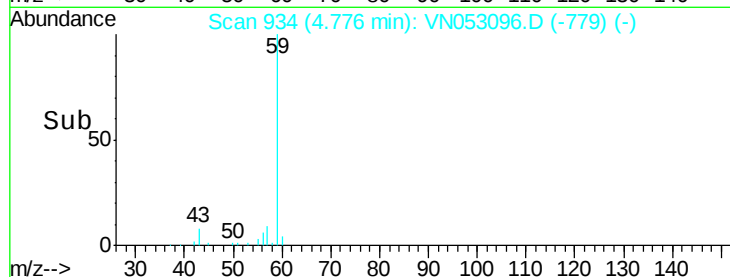
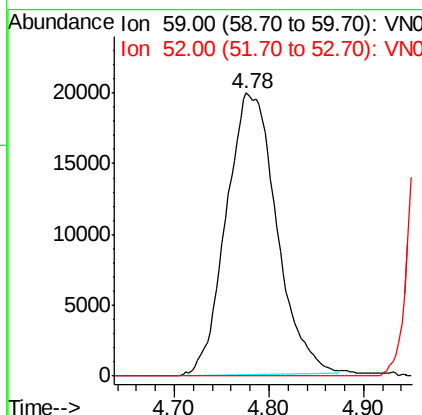
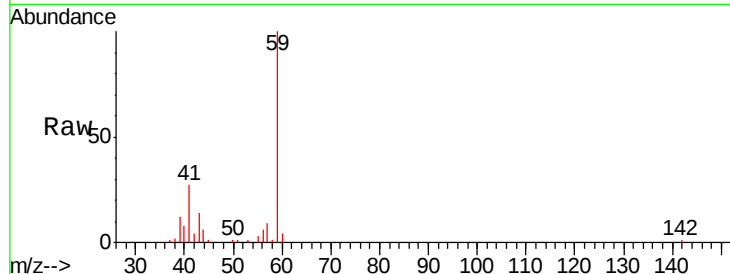
#23
 tert-Butyl Alcohol
 Concen: 144.595 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Tgt Ion: 59 Resp: 73321
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

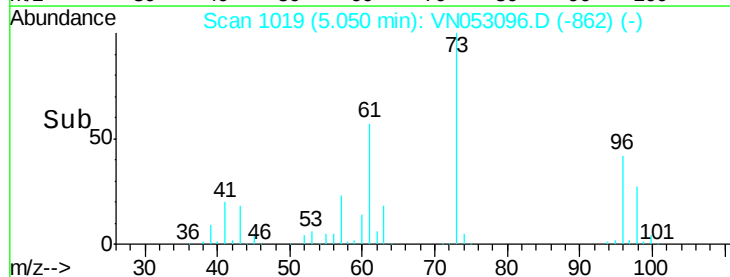
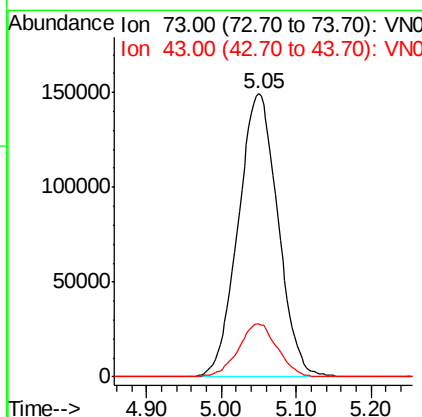
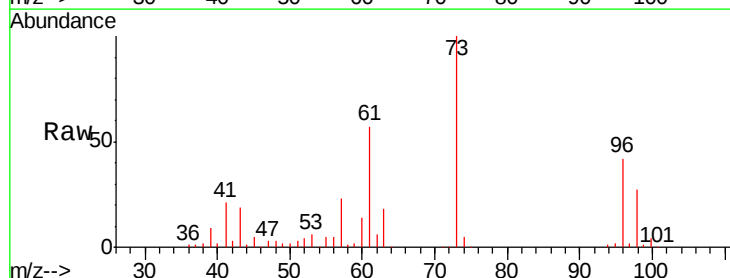
Manual Integrations
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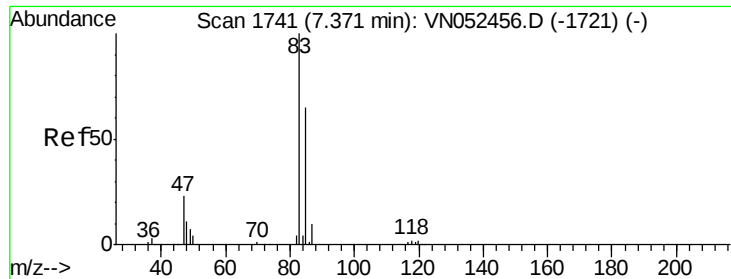
MMDadoda
 12/22/2018 10:06:17 AM



#24
 Methyl tert-Butyl Ether
 Concen: 22.331 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion: 73 Resp: 551586
 Ion Ratio Lower Upper
 73 100
 43 18.2 15.8 23.8





#25

Chloroform

Concen: 19.604 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

Tgt Ion: 83 Resp: 371978

Ion Ratio Lower Upper

83 100

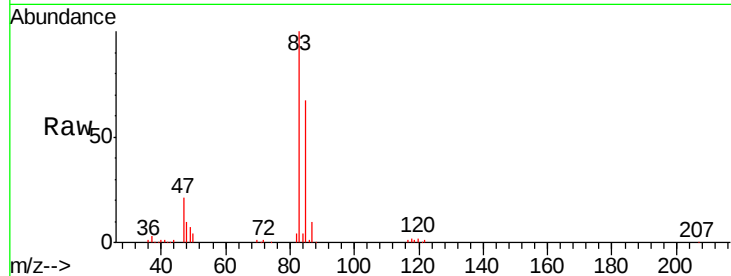
85 66.9 51.7 77.5

Manual Integrations

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MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.37

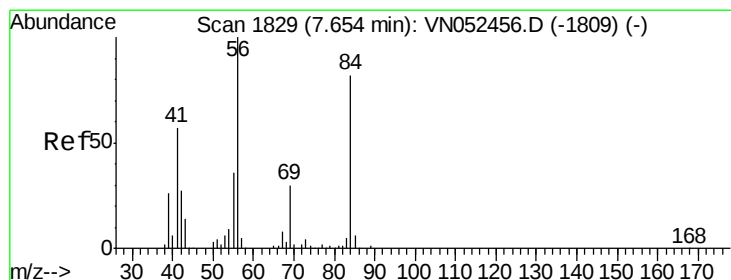
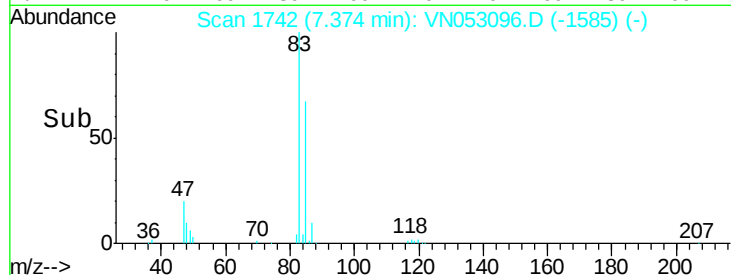
150000

100000

50000

0

Time-->



#26

Cyclohexane

Concen: 17.780 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

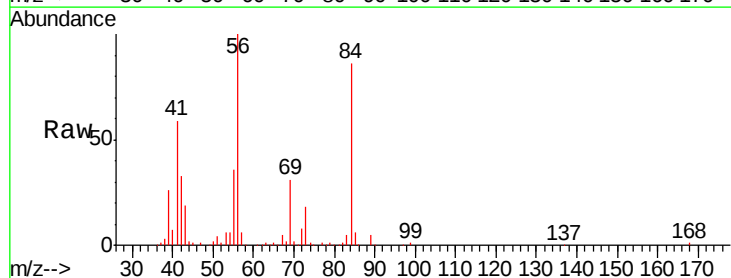
Tgt Ion: 56 Resp: 329812

Ion Ratio Lower Upper

56 100

89 4.9 0.5 0.7#

84 86.3 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

200000

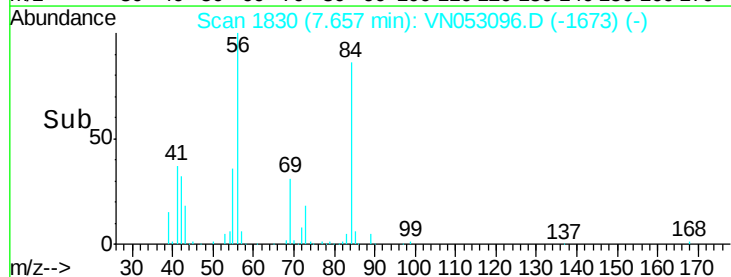
150000

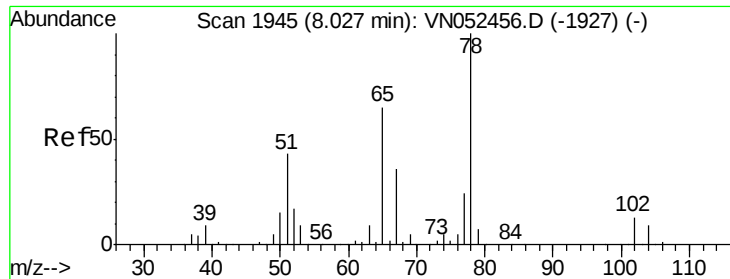
100000

50000

0

Time-->





#27

1,2-Dichloroethane-d4

Concen: 17.780 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

Tgt Ion: 65 Resp: 327218

Ion Ratio Lower Upper

65 100

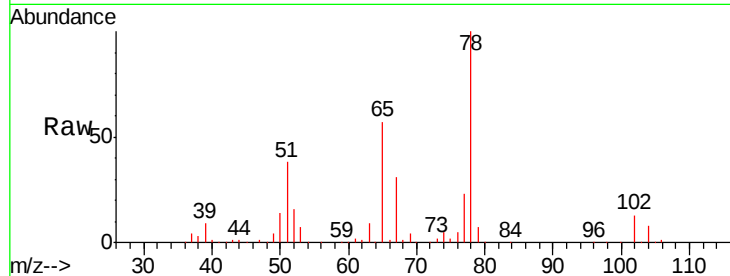
67 55.0 44.6 66.8

Manual Integrations

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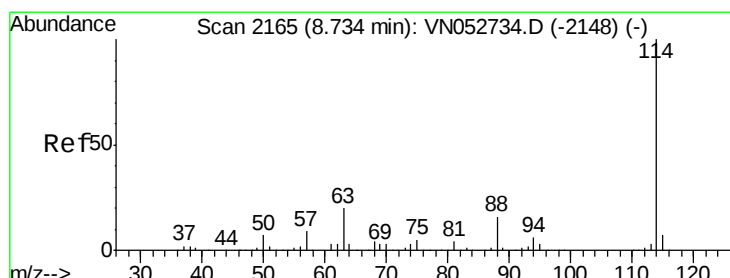
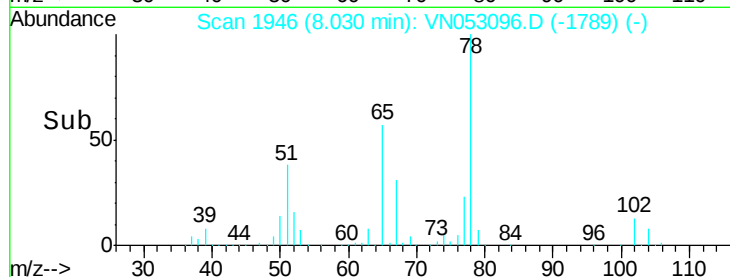
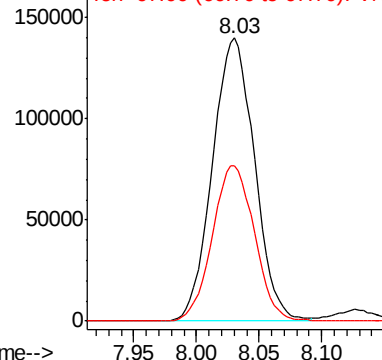
MMDadoda

12/22/2018 10:06:17 AM



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

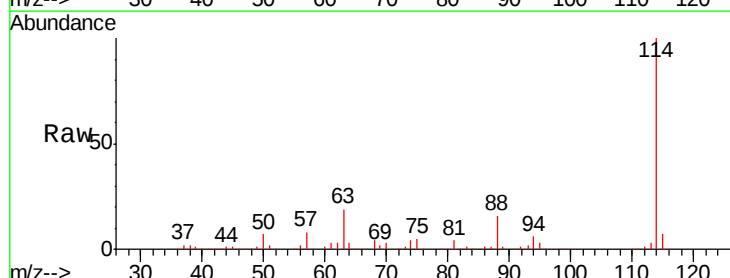
Tgt Ion: 114 Resp: 982807

Ion Ratio Lower Upper

114 100

63 19.4 16.9 25.3

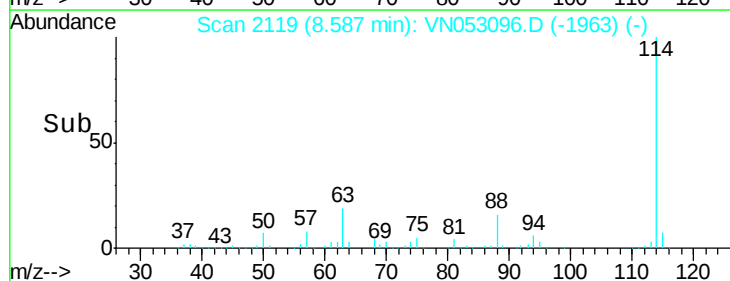
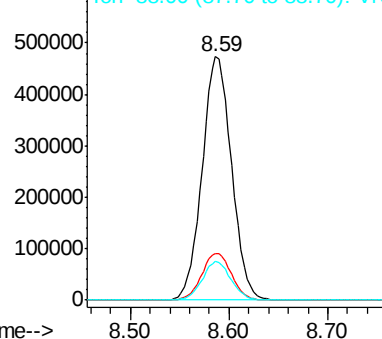
88 15.6 12.8 19.2

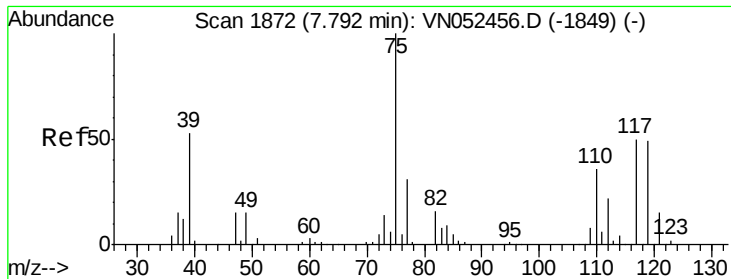


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0





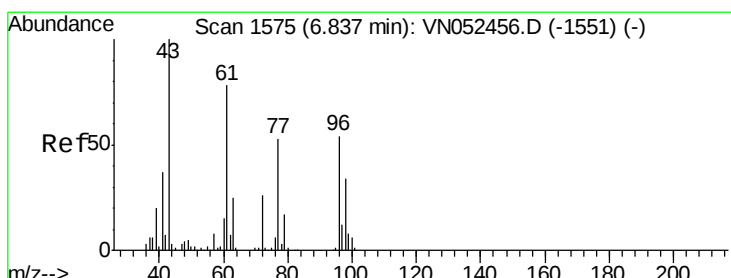
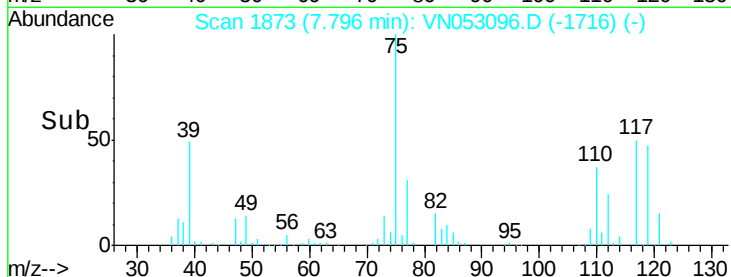
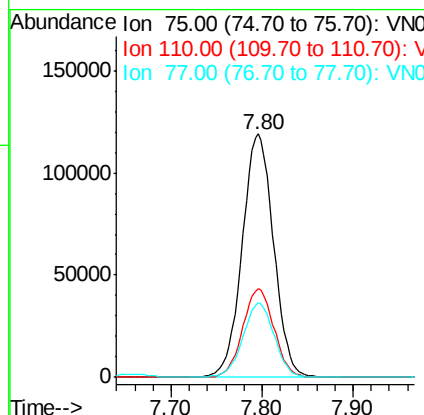
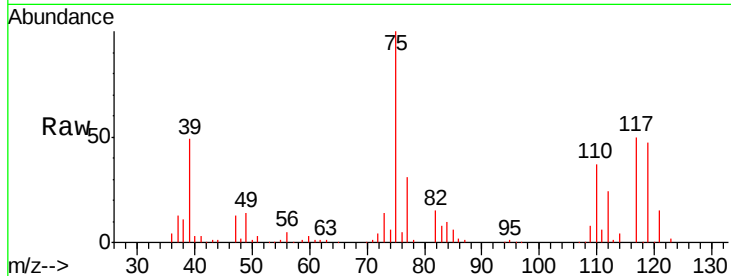
#29
 1,1-Dichloropropene
 Concen: 19.015 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	36.1	0.0	70.2
77	30.6	0.0	62.6

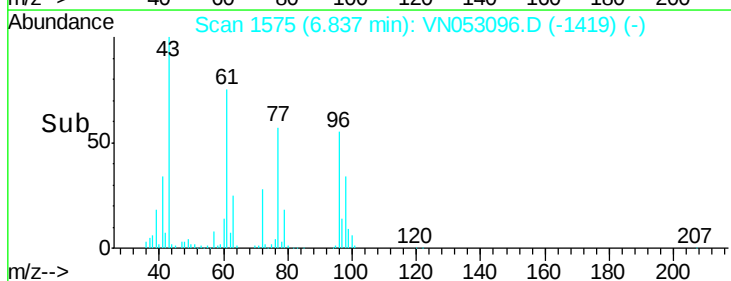
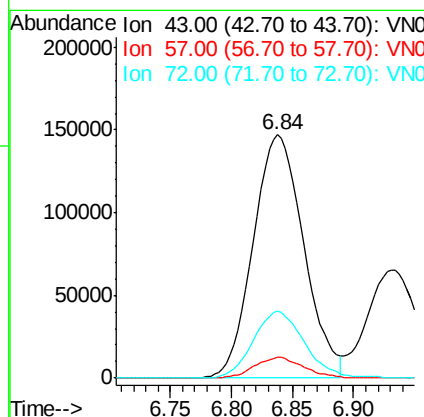
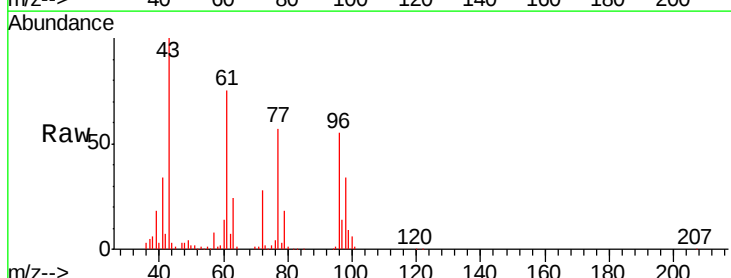
Manual Integrations
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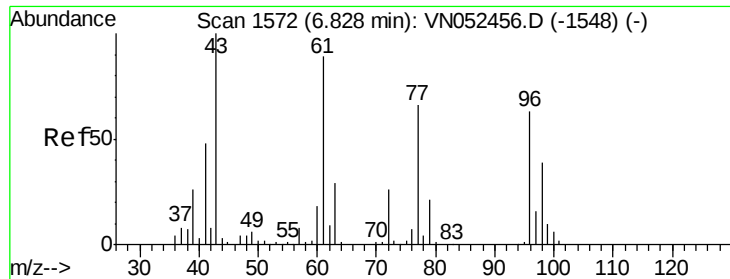
MMDadoda
 12/22/2018 10:06:17 AM



#30
 2-Butanone
 Concen: 104.993 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	8.3	6.2	9.4
72	27.9	21.0	31.6





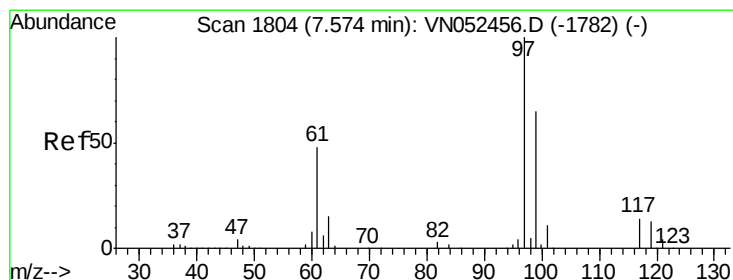
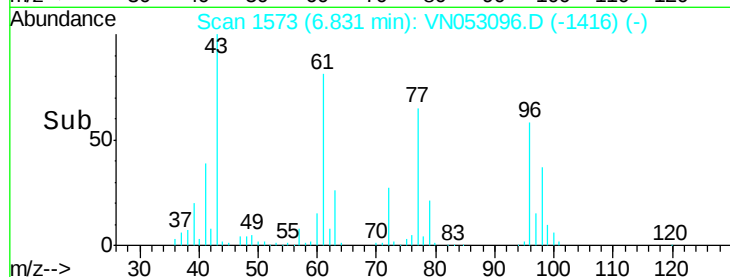
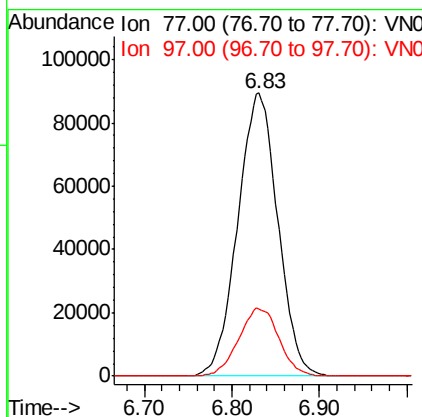
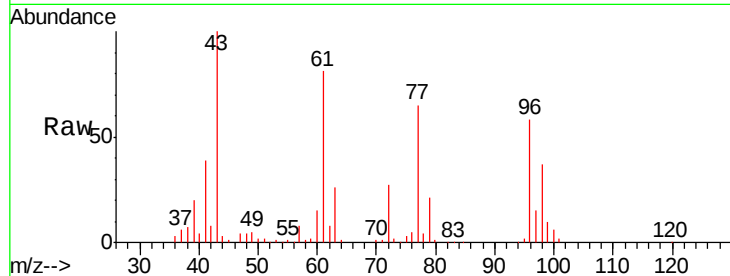
#31
 2,2-Dichloropropane
 Concen: 20.571 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Tgt Ion: 77 Resp: 284238
 Ion Ratio Lower Upper
 77 100
 97 24.1 18.7 28.1

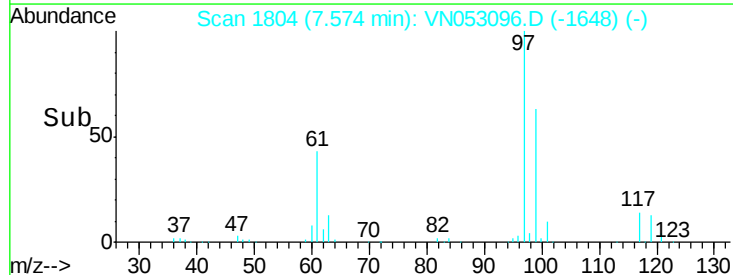
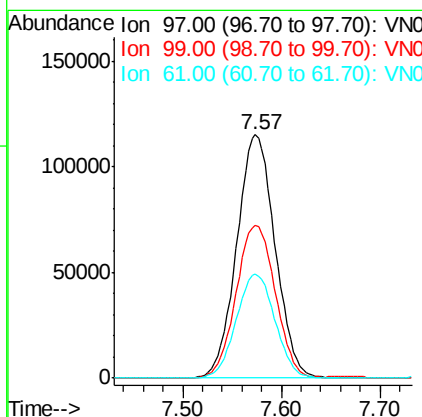
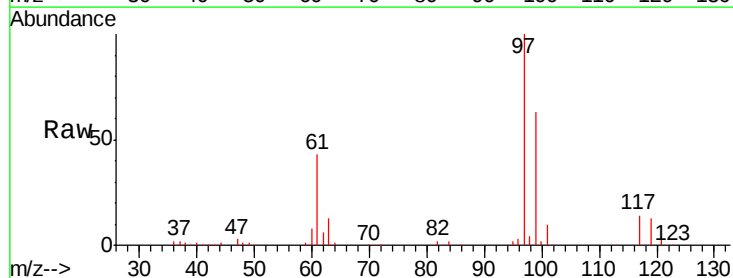
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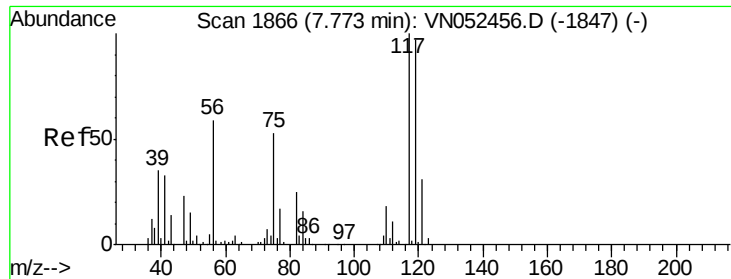
MMDadoda
 12/22/2018 10:06:17 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.897 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion: 97 Resp: 310724
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.9 76.3
 61 43.1 38.1 57.1





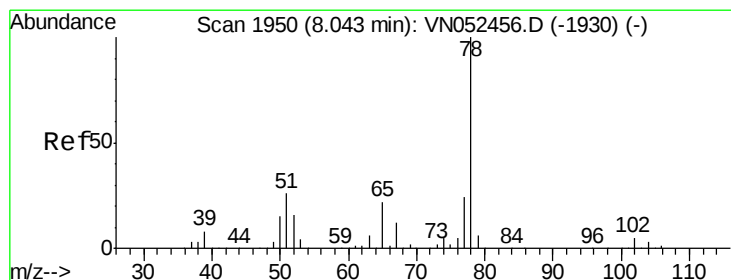
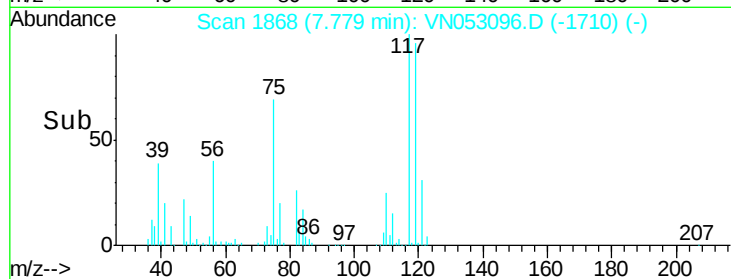
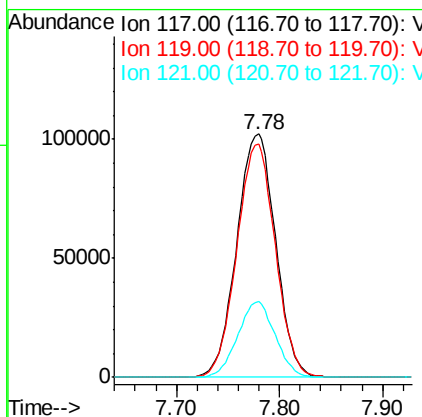
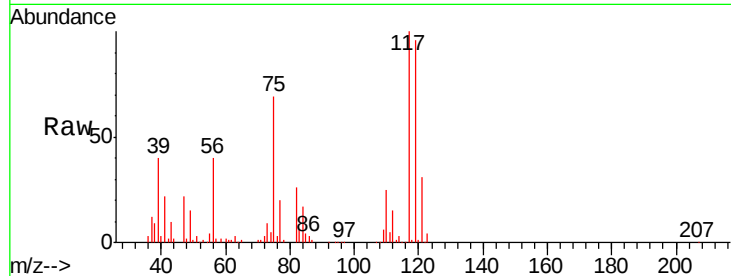
#33
Carbon Tetrachloride
Concen: 19.622 ug/l
RT: 7.78 min Scan# 1866
Delta R.T. 0.01 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	268125		
119	95.9	77.3	115.9	
121	31.3	24.9	37.3	

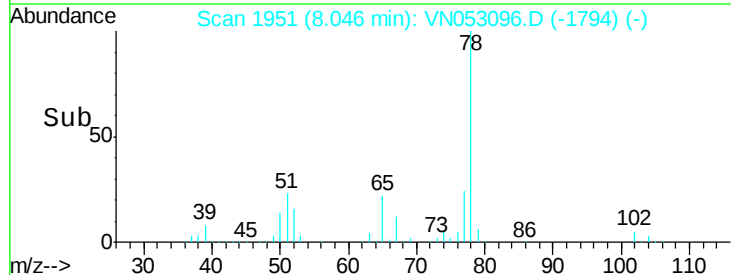
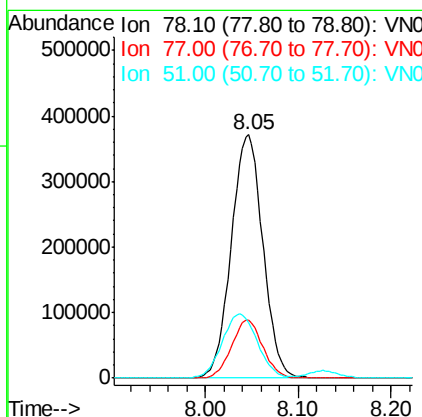
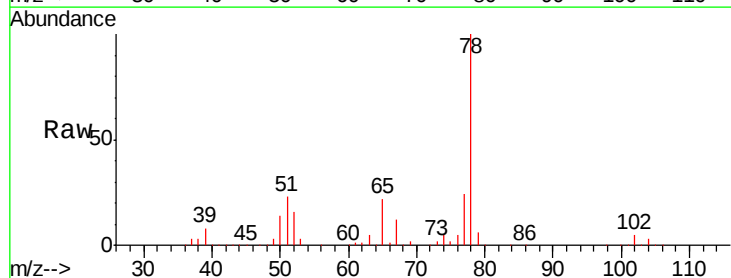
Manual Integrations
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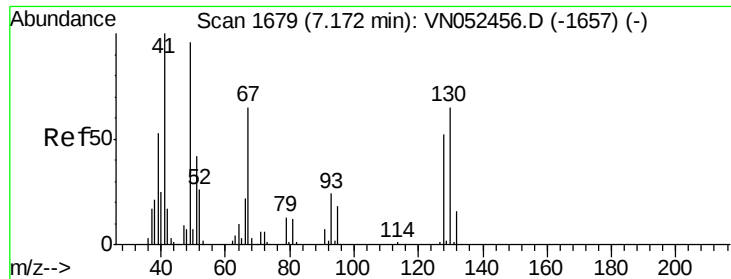
MMDadoda
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#34
Benzene
Concen: 19.462 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	878202		
77	23.7	19.0	28.6	
51	22.7	20.5	30.7	





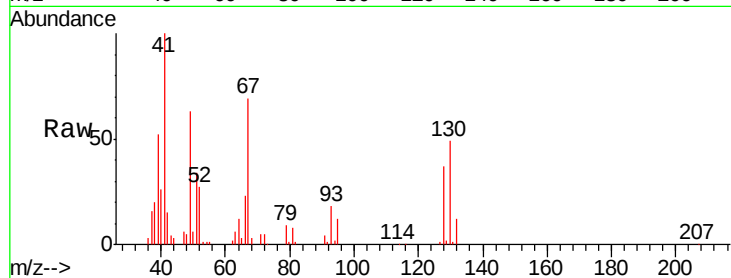
#35
Methacrylonitrile
Concen: 19.042 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.7	26.6	79.7
67	68.8	32.3	96.9
52	26.7	13.0	38.9

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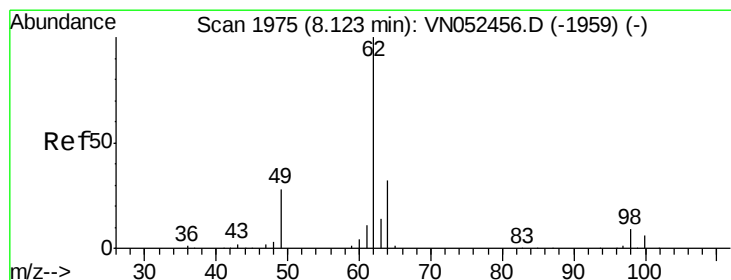
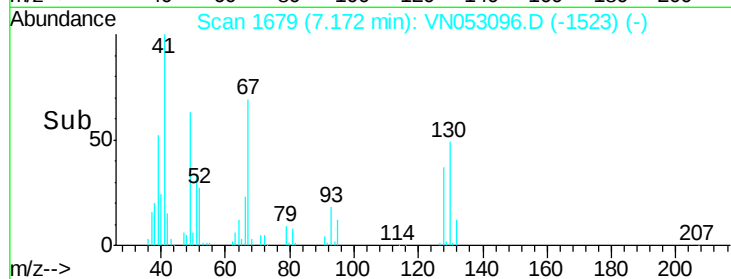
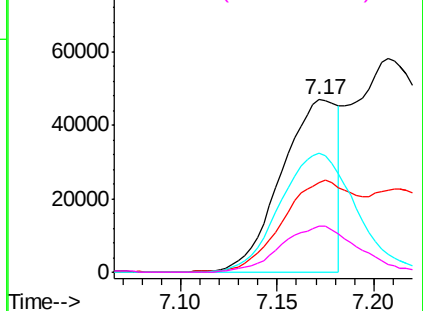


Abundance Ion 41.00 (40.70 to 41.70): VN052456.D (-1657) (-)

Ion 39.00 (38.70 to 39.70): VN052456.D (-1657) (-)

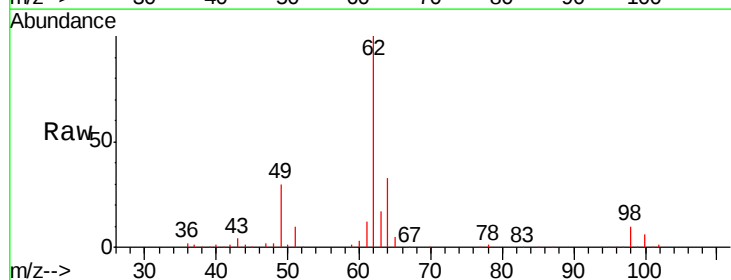
Ion 67.00 (66.70 to 67.70): VN052456.D (-1657) (-)

Ion 52.00 (51.70 to 52.70): VN052456.D (-1657) (-)



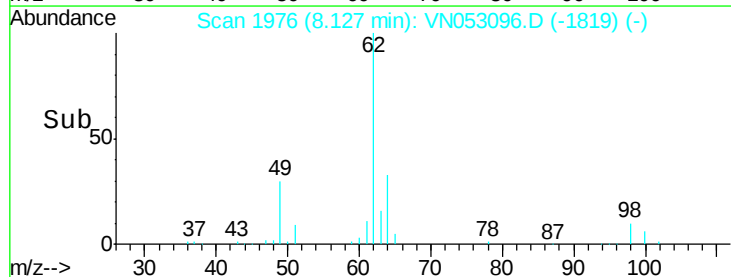
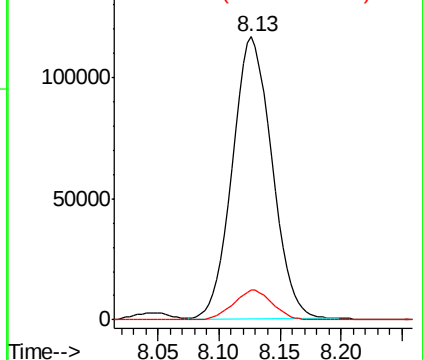
#36
1,2-Dichloroethane
Concen: 19.162 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

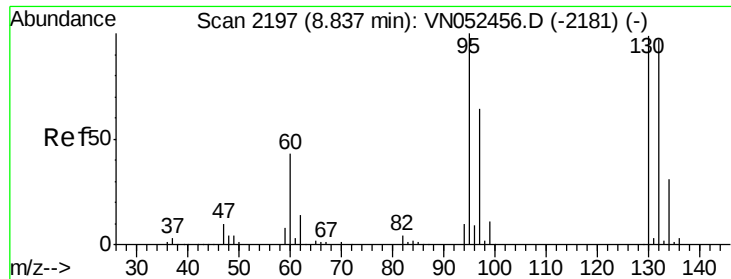
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	7.4	11.2



Abundance Ion 62.00 (61.70 to 62.70): VN052456.D (-1959) (-)

Ion 98.00 (97.70 to 98.70): VN052456.D (-1959) (-)





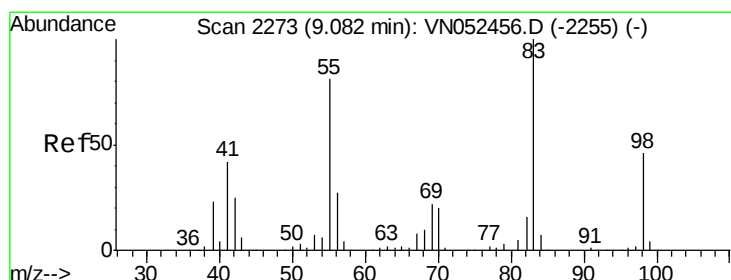
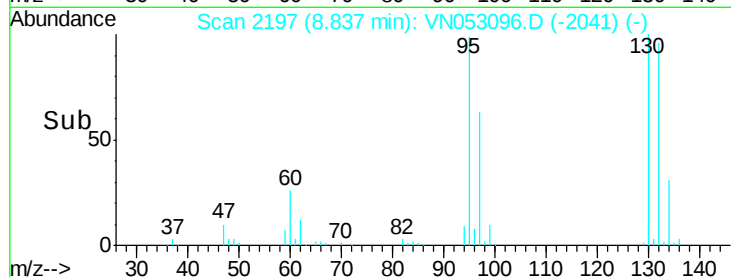
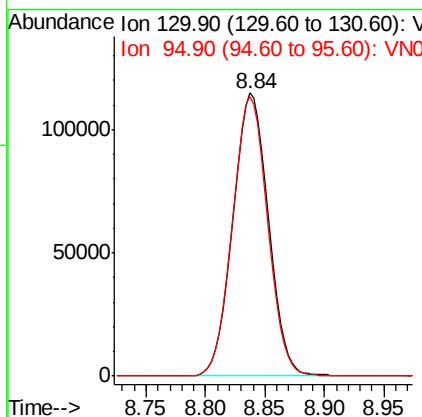
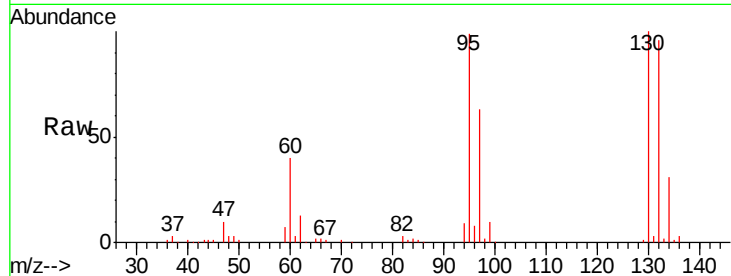
#37
 Trichloroethene
 Concen: 20.755 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Tgt Ion: 130 Resp: 237486
 Ion Ratio Lower Upper
 130 100
 95 98.7 81.0 121.4

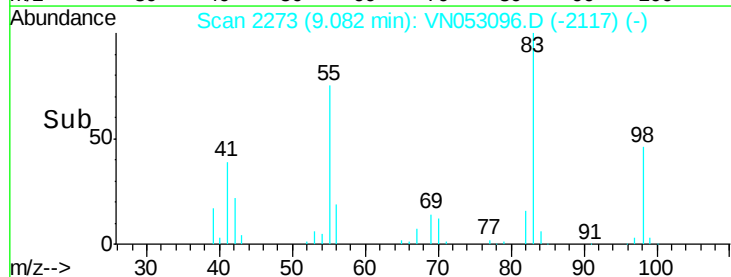
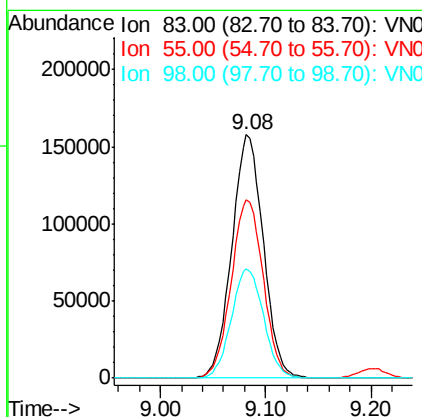
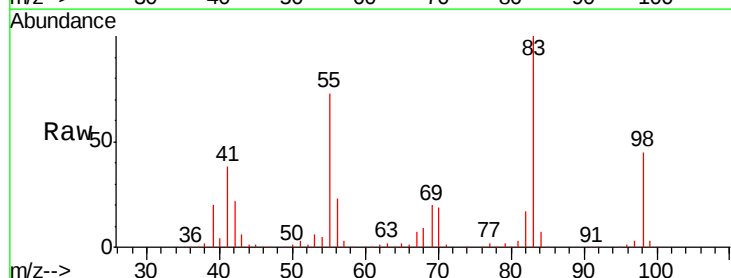
Manual Integrations
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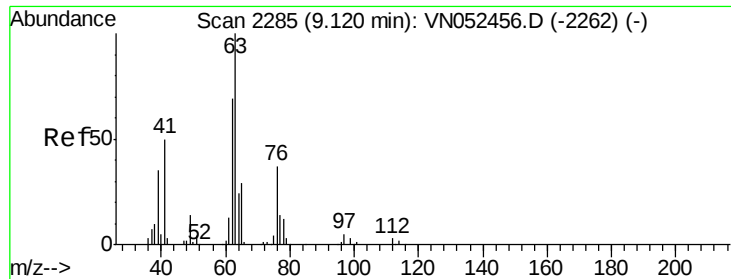
MMDadoda
 12/22/2018 10:06:17 AM



#38
 Methylcyclohexane
 Concen: 17.571 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion: 83 Resp: 326452
 Ion Ratio Lower Upper
 83 100
 55 74.4 39.8 119.4
 98 46.0 22.9 68.5





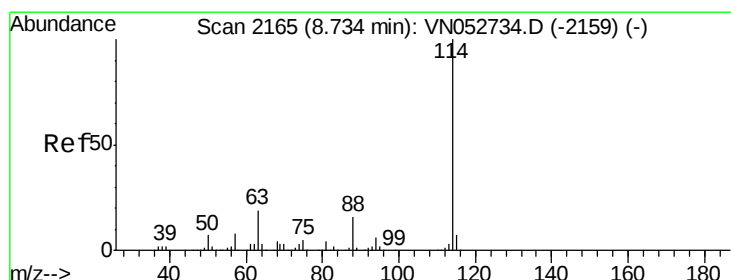
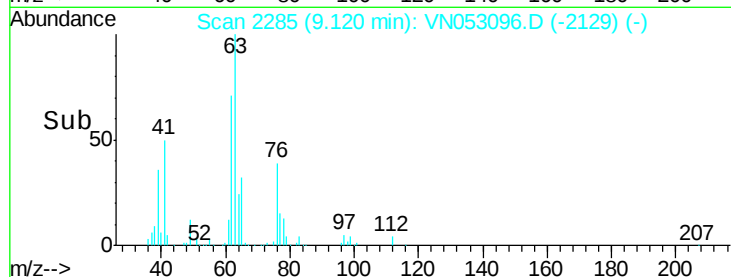
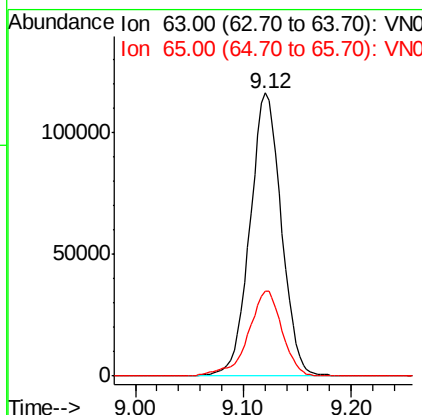
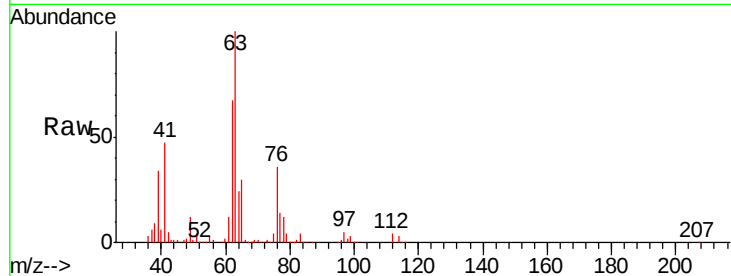
#39
 1,2-Dichloropropane
 Concen: 19.436 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Tgt Ion: 63 Resp: 235086
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.6 35.4

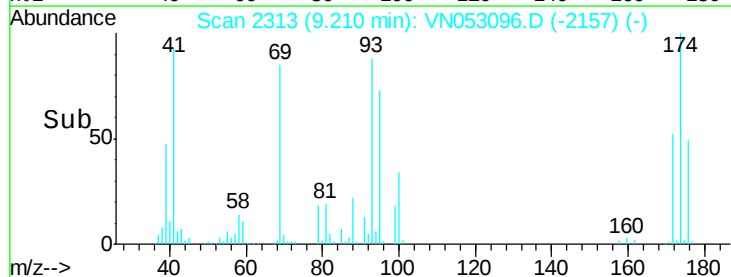
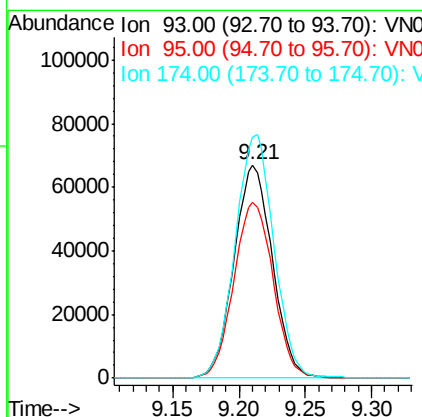
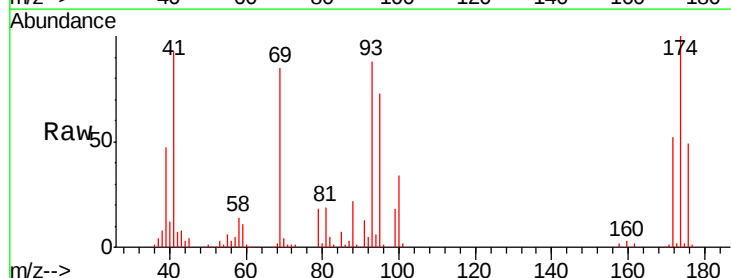
Manual Integrations
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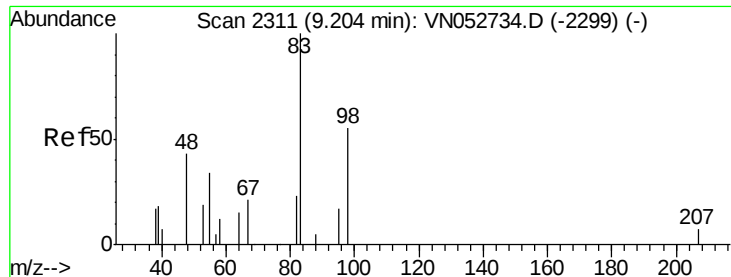
MMDadoda
 12/22/2018 10:06:17 AM



#40
 Dibromomethane
 Concen: 20.681 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion: 93 Resp: 135181
 Ion Ratio Lower Upper
 93 100
 95 84.1 0.0 168.4
 174 115.3 0.0 210.0





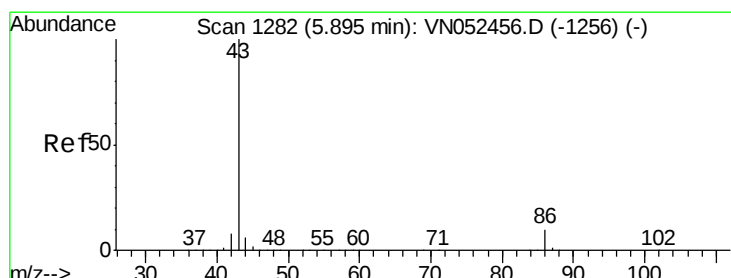
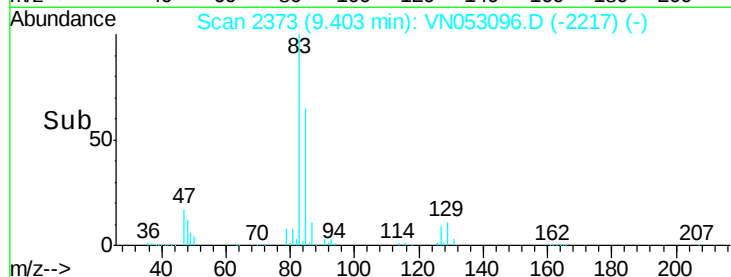
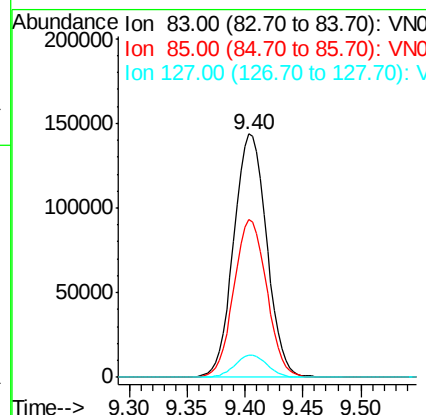
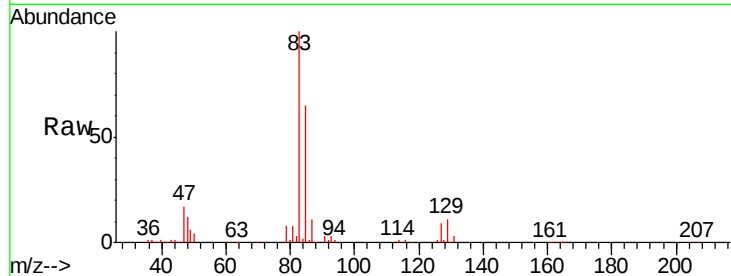
#41
Bromodichloromethane
Concen: 19.697 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.4	78.6
127	9.2	6.6	9.8

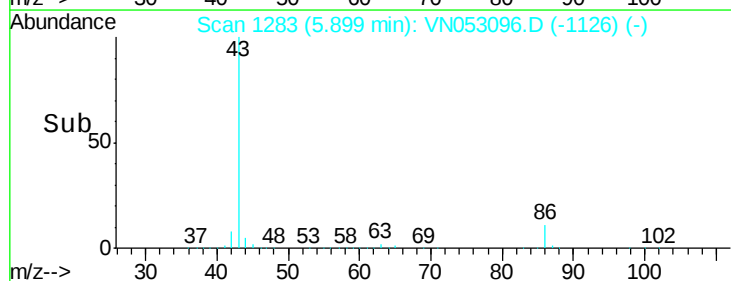
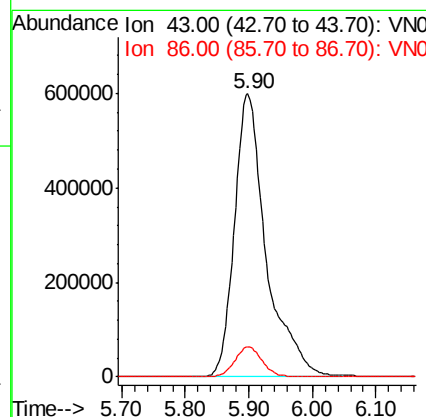
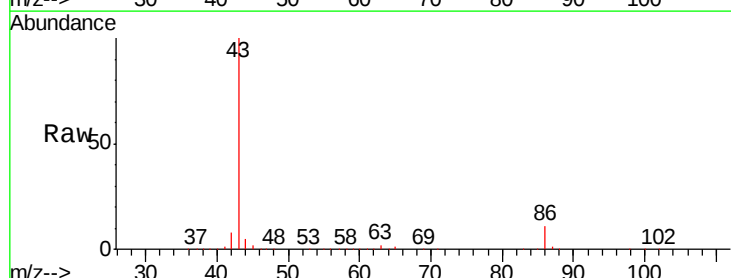
Manual Integrations
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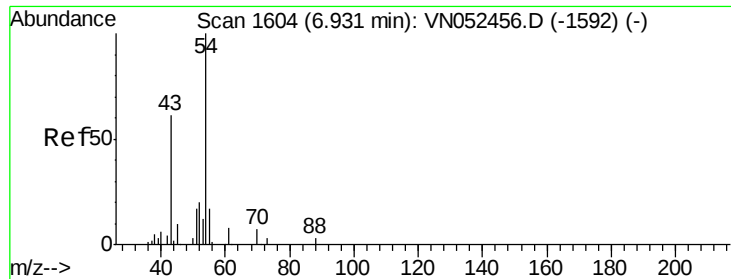
MMDadoda
12/22/2018 10:06:17 AM



#42
Vinyl Acetate
Concen: 95.701 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.5	9.7





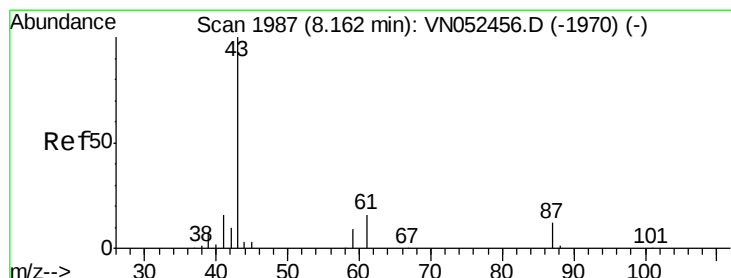
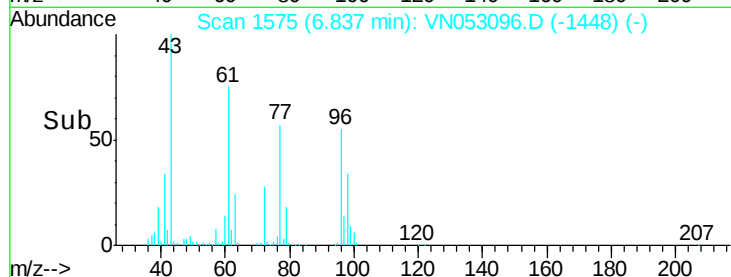
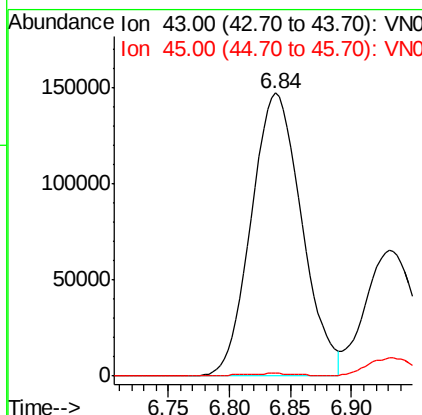
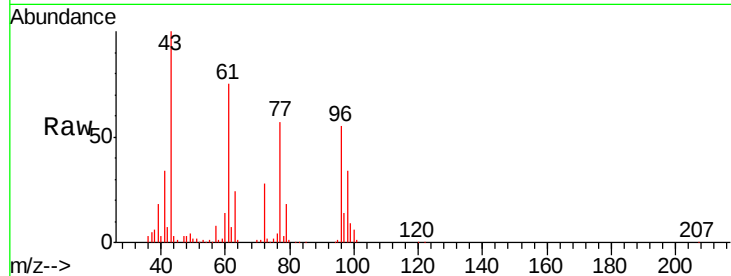
#43
Ethyl Acetate
Concen: 49.376 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.09 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

Tgt Ion: 43 Resp: 421655
Ion Ratio Lower Upper
43 100
45 1.2 1.0 1.6

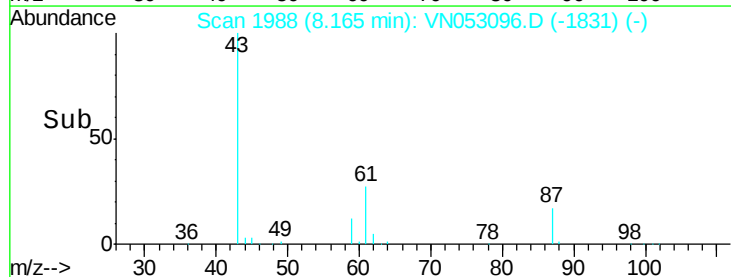
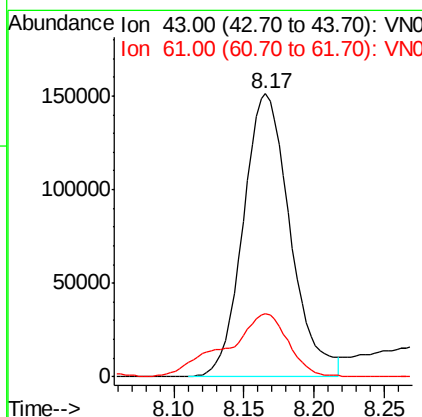
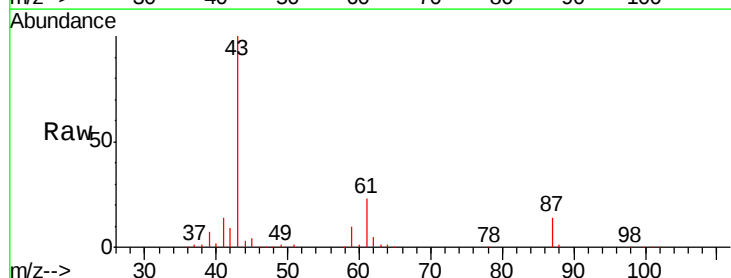
Manual Integrations
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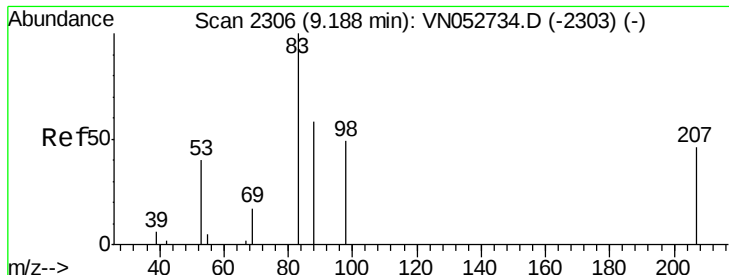
MMDadoda
12/22/2018 10:06:17 AM



#44
Isopropyl Acetate
Concen: 23.348 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion: 43 Resp: 349674
Ion Ratio Lower Upper
43 100
61 29.3 16.0 24.0#





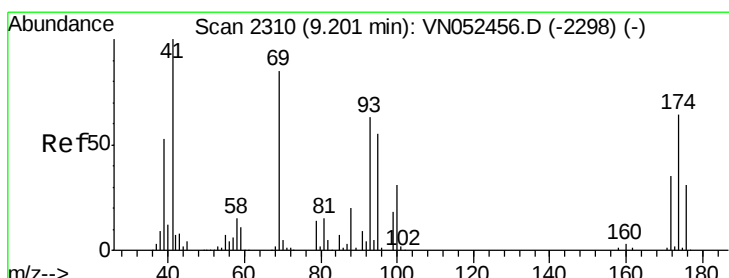
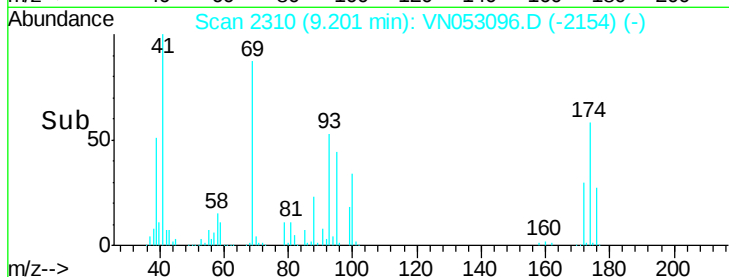
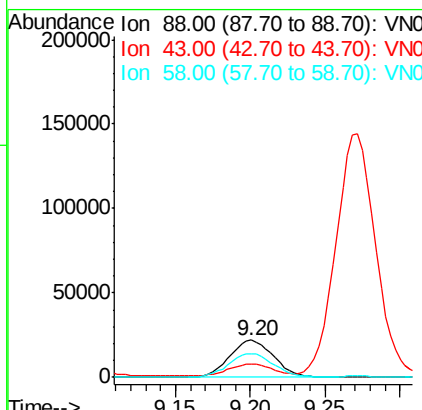
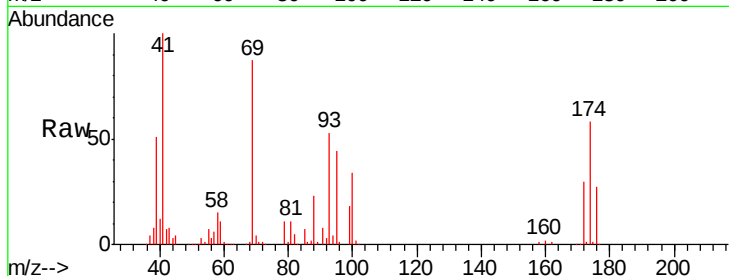
#45
 1,4-Dioxane
 Concen: 551.108 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.3	29.5	44.3
58	66.6	61.5	92.3

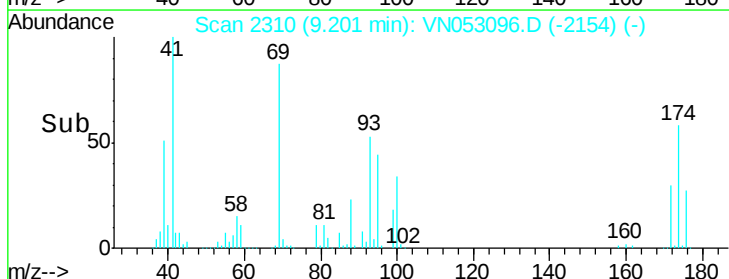
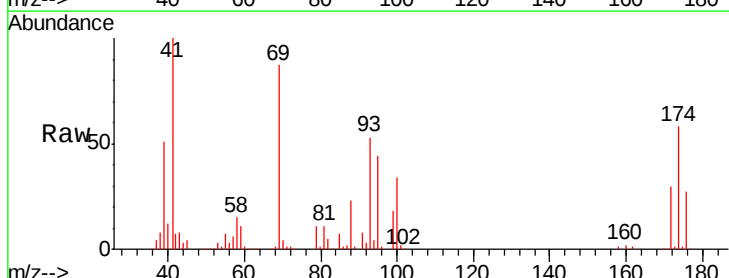
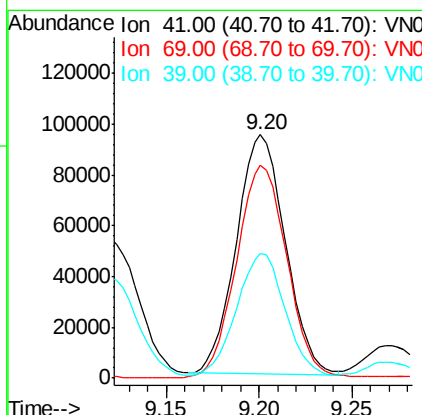
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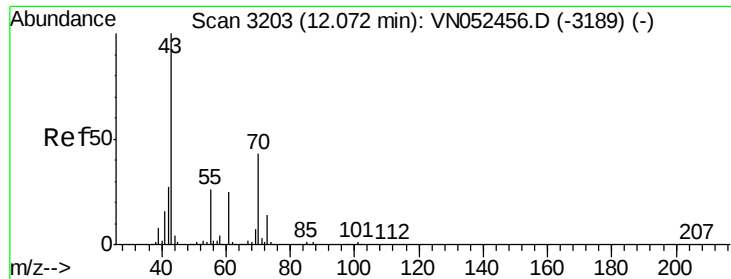
MMDadoda
 12/22/2018 10:06:17 AM



#46
 Methyl methacrylate
 Concen: 22.276 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.5	42.5	127.6
39	51.3	26.3	78.9





#47

n-amy1 Acetate

Concen: 24.194 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

Tgt Ion: 43 Resp: 300440

Ion Ratio Lower Upper

43 100

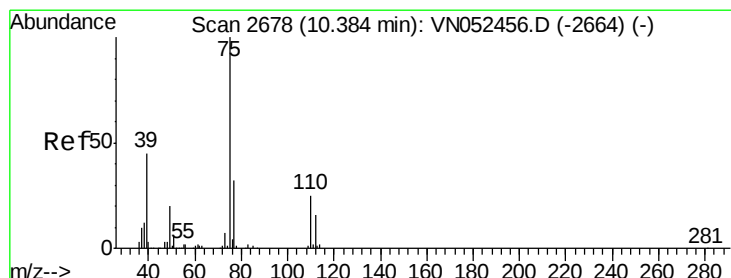
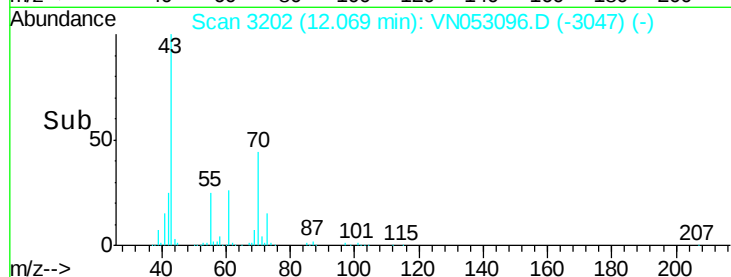
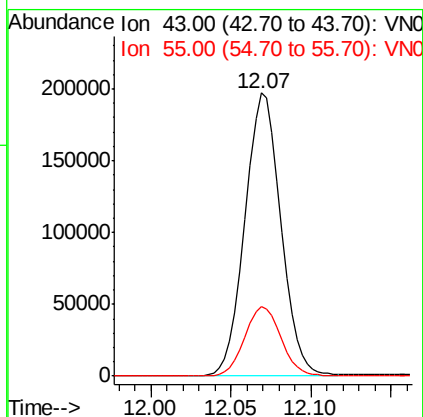
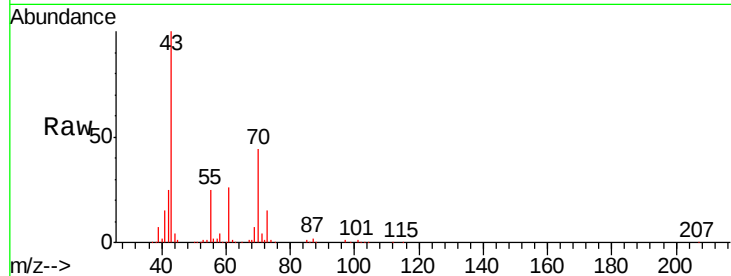
55 24.9 21.1 31.7

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 20.711 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053096.D

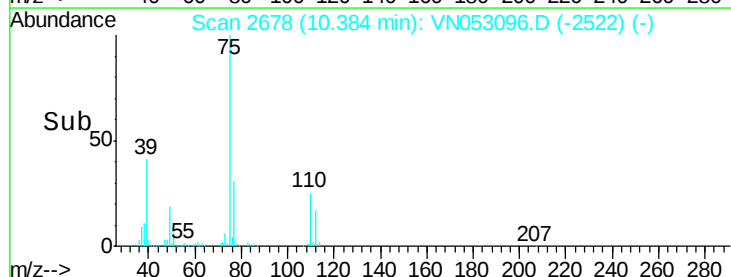
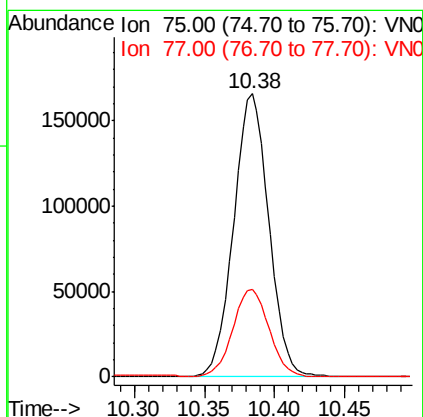
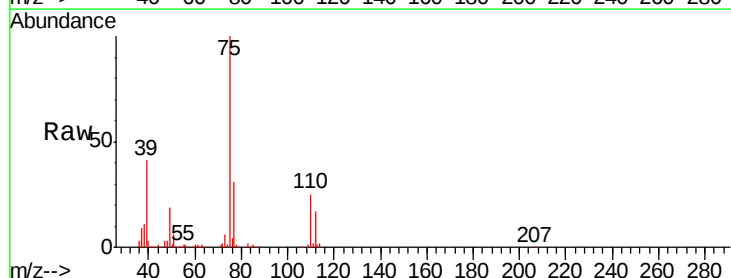
Acq: 21 Dec 2018 11:11

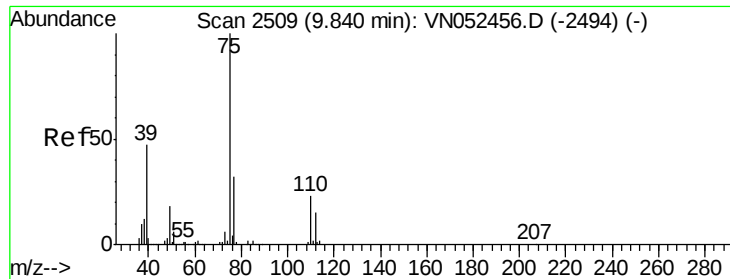
Tgt Ion: 75 Resp: 290006

Ion Ratio Lower Upper

75 100

77 30.8 25.6 38.4





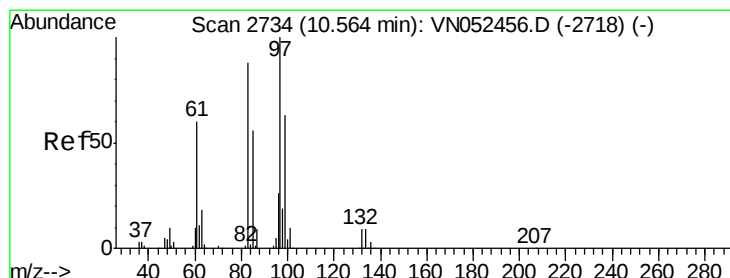
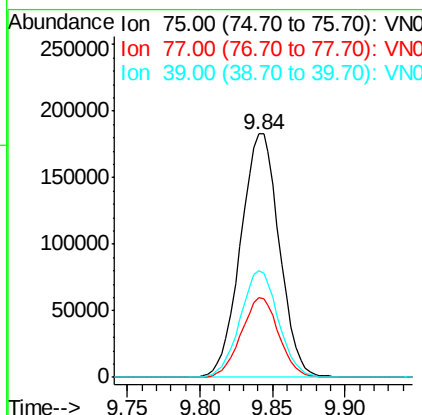
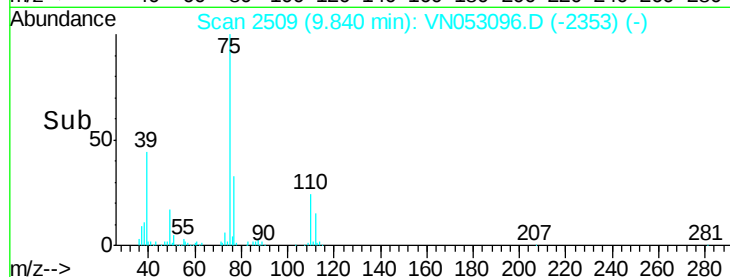
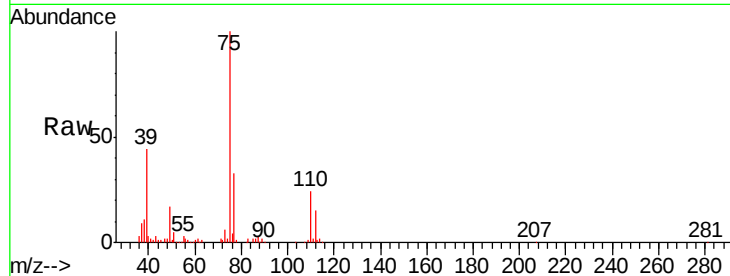
#49
 cis-1,3-Dichloropropene
 Concen: 19.938 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.0
39	44.1	37.3	55.9

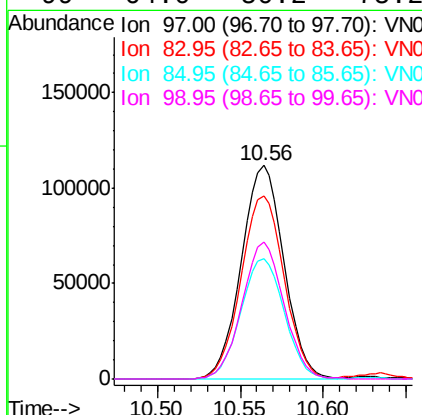
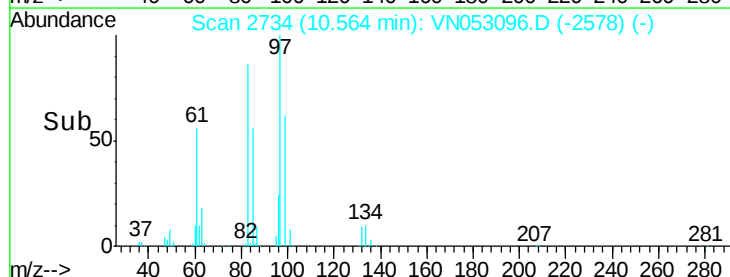
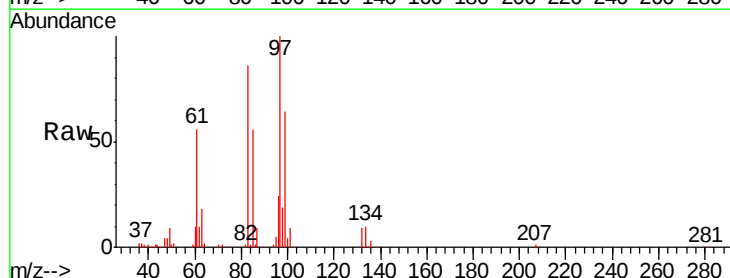
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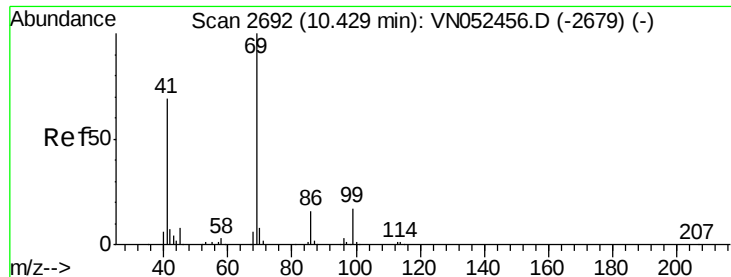
MMDadoda
 12/22/2018 10:06:17 AM



#50
 1,1,2-Trichloroethane
 Concen: 21.558 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.0	70.4	105.6
85	56.4	45.0	67.6
99	64.0	50.2	75.2





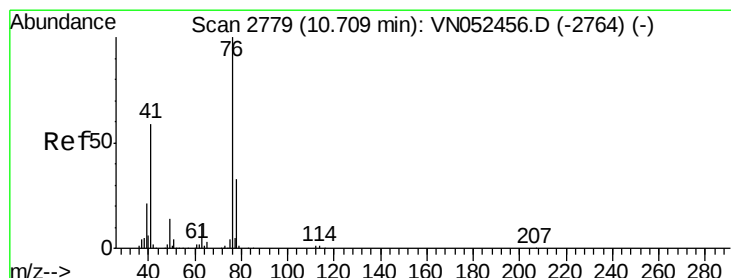
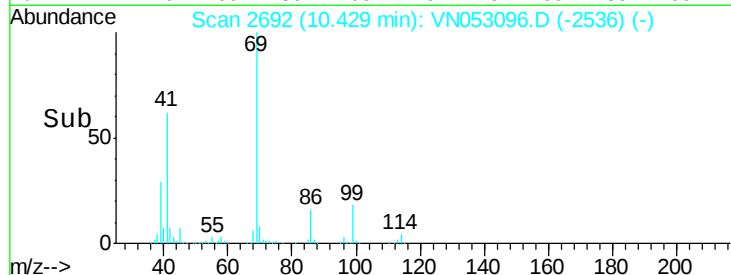
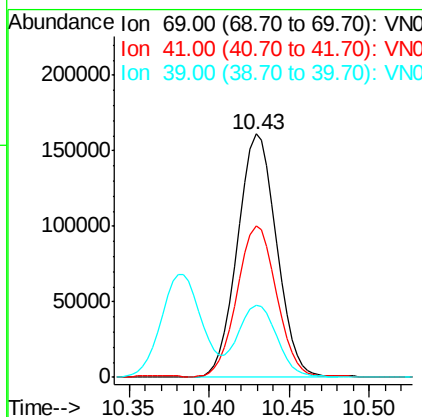
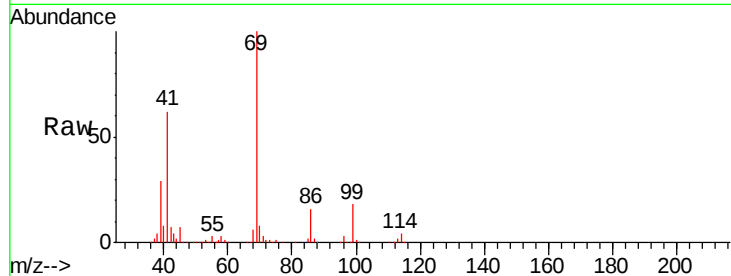
#51
Ethyl methacrylate
Concen: 23.104 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.8	34.4	103.3
39	29.2	16.4	49.2

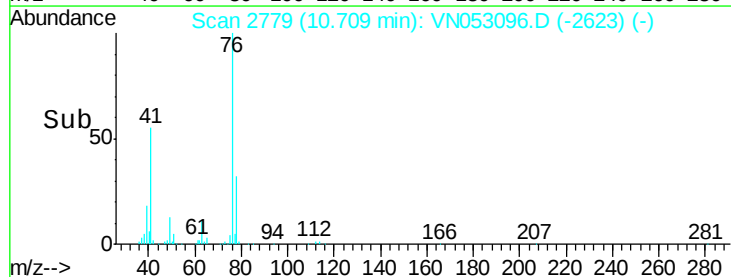
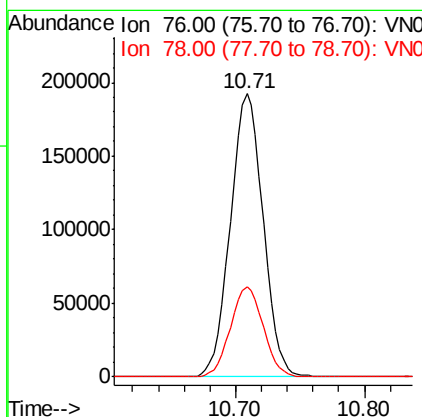
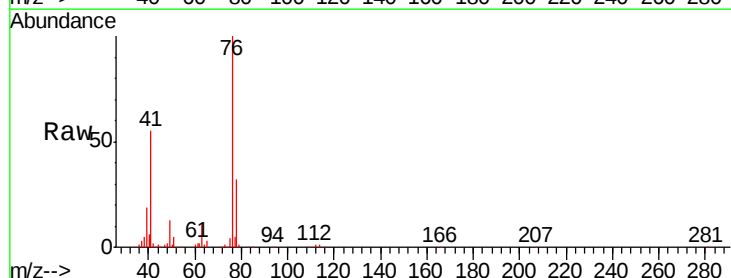
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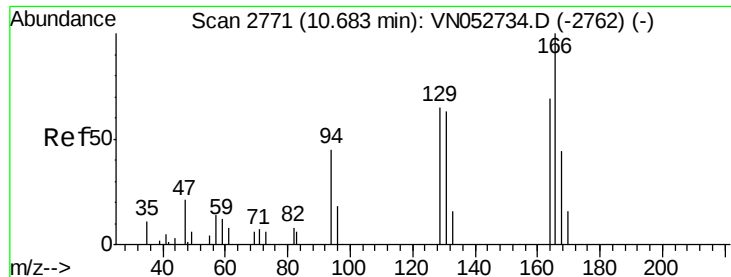
MMDadoda
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#52
1,3-Dichloropropane
Concen: 20.572 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	64.8





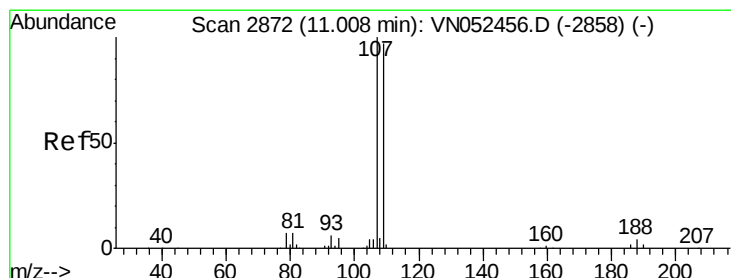
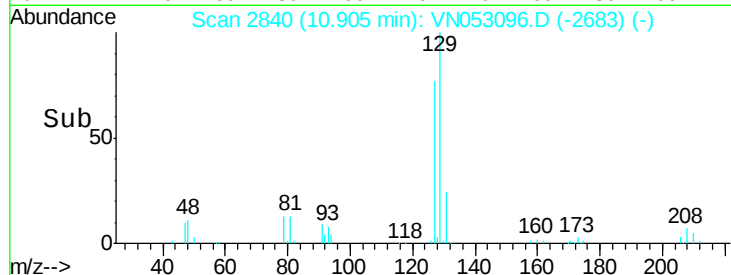
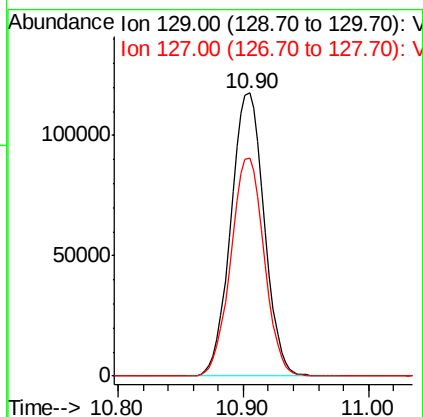
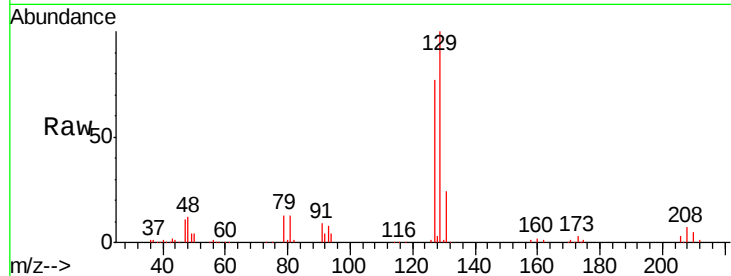
#53
Dibromochloromethane
Concen: 21.328 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

Tgt Ion:129 Resp: 217559
Ion Ratio Lower Upper
129 100
127 77.0 37.6 112.8

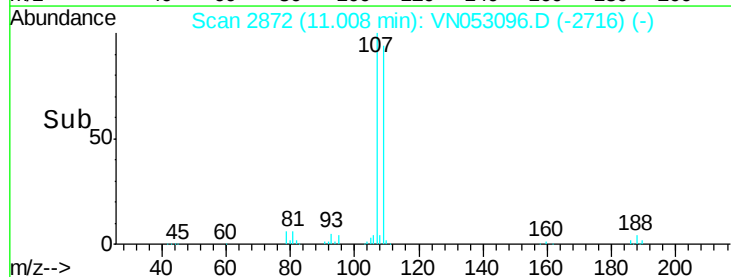
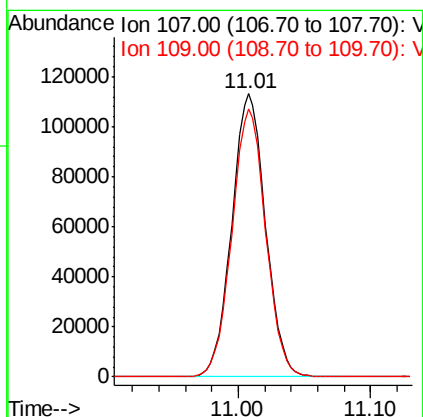
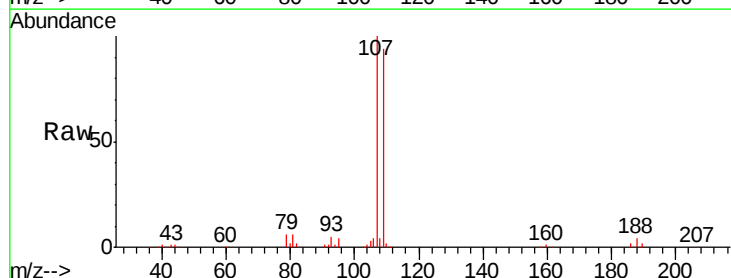
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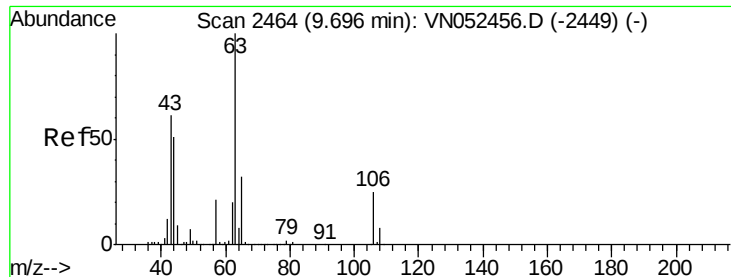
MMDadoda
12/22/2018 10:06:17 AM



#54
1,2-Dibromoethane
Concen: 22.059 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion:107 Resp: 199717
Ion Ratio Lower Upper
107 100
109 94.7 77.1 115.7





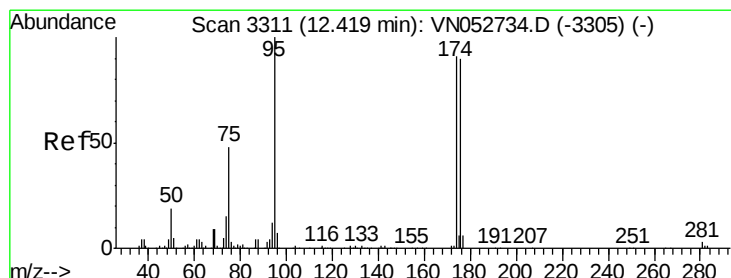
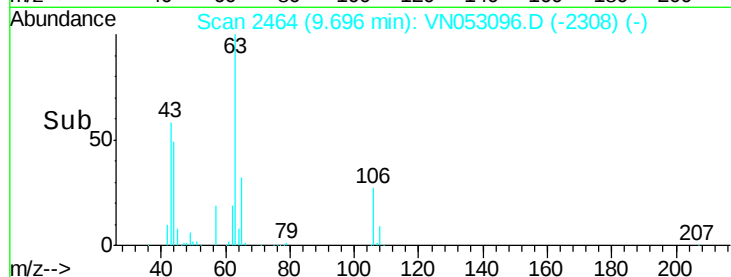
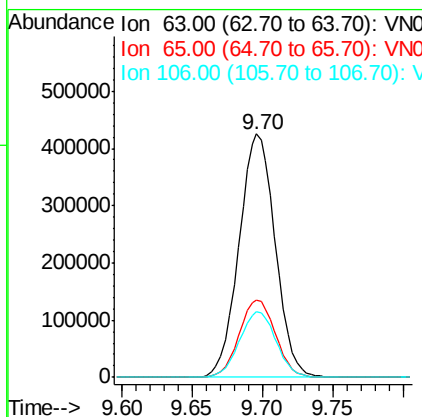
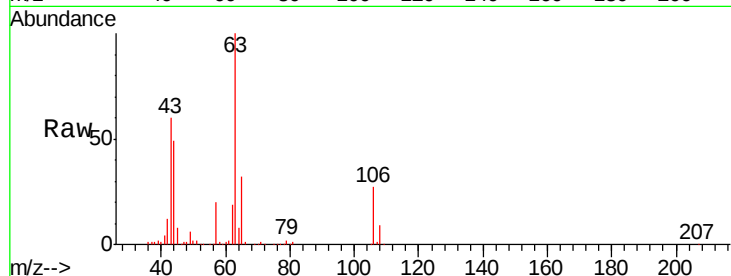
#55
 2-Chloroethyl vinyl ether
 Concen: 112.222 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.2
106	27.2	20.4	30.6

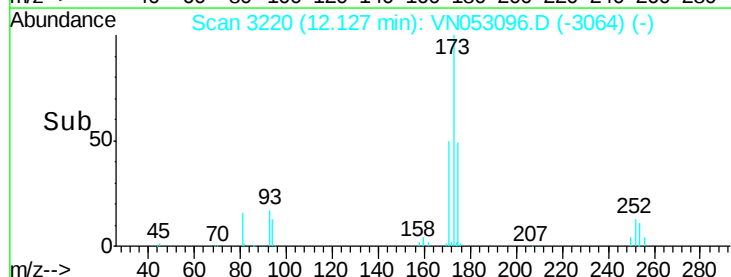
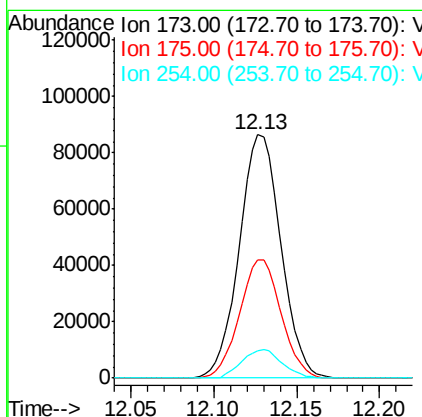
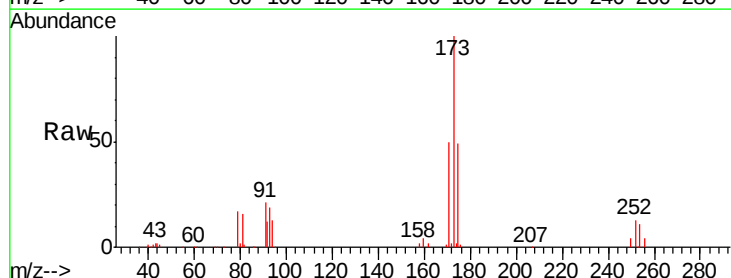
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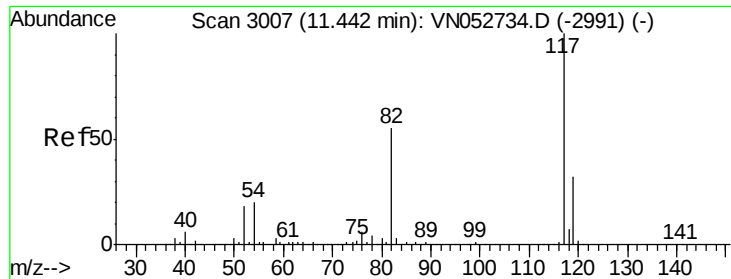
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#56
 Bromoform
 Concen: 22.696 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.7	58.1
254	11.2	8.4	12.6





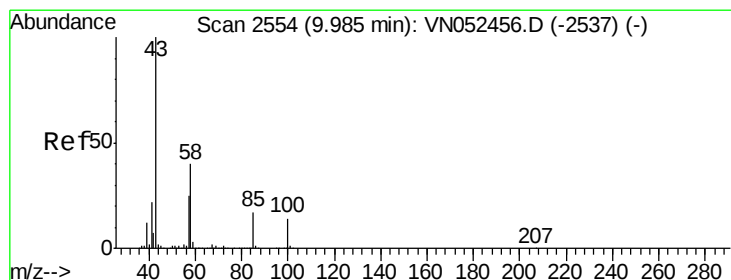
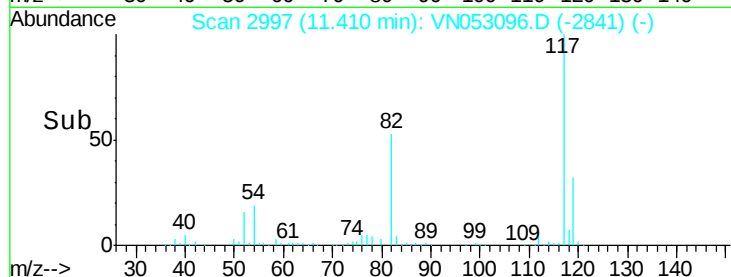
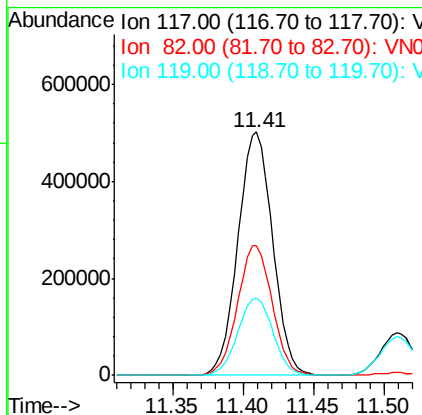
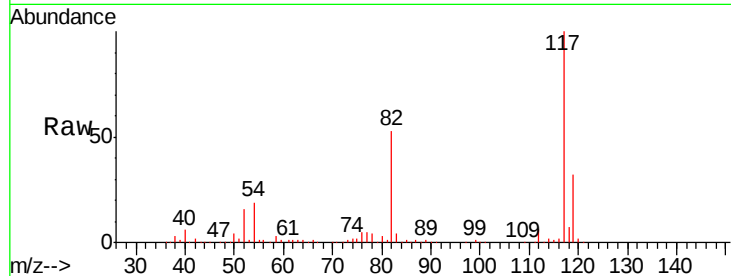
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.4	44.2	66.2
119	32.3	25.4	38.2

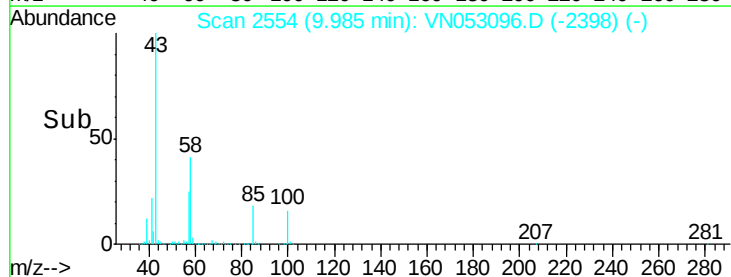
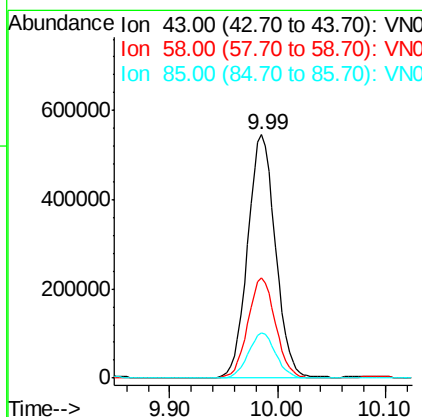
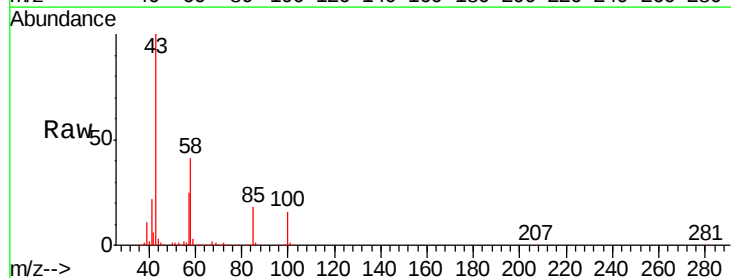
Manual Integrations
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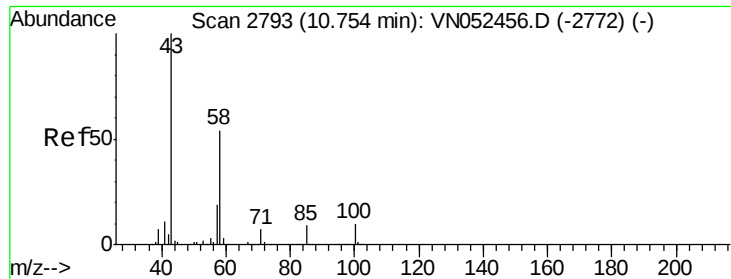
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 115.792 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.2	31.6	47.4
85	18.4	13.3	19.9





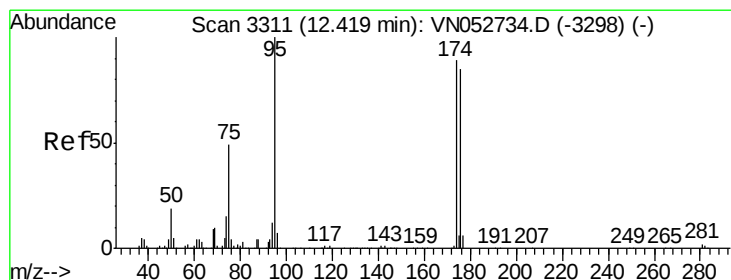
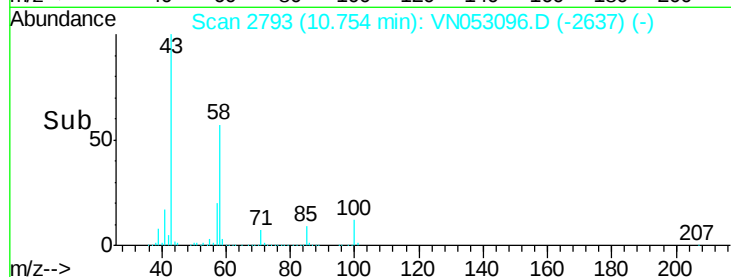
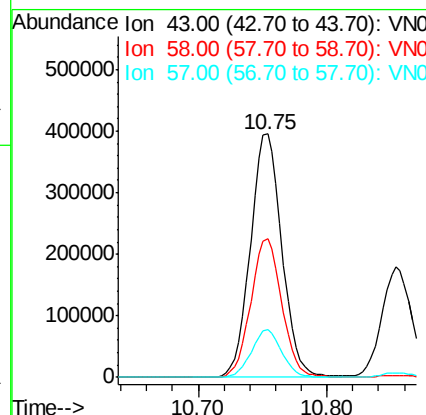
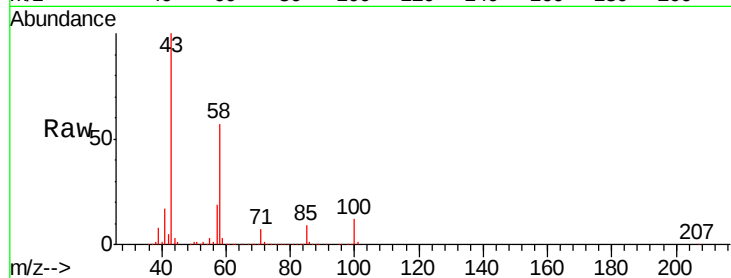
#59
2-Hexanone
Concen: 116.776 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.5	43.2	64.8
57	19.2	14.9	22.3

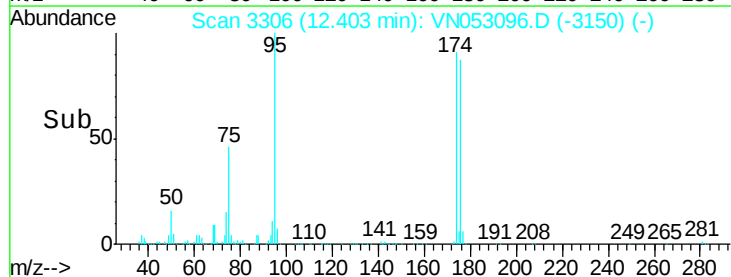
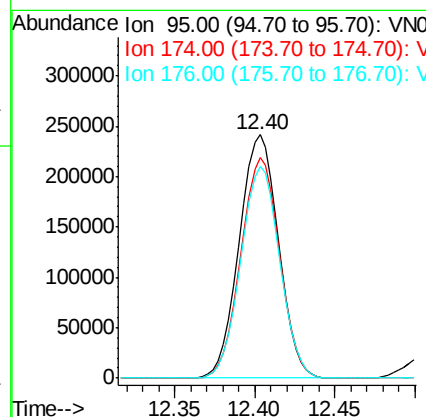
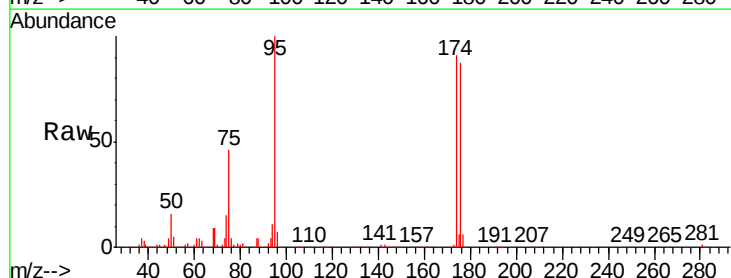
Manual Integrations
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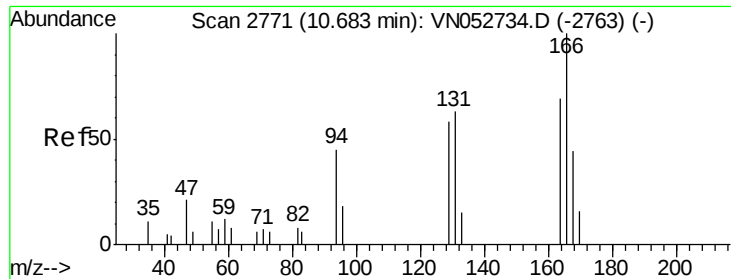
MMDadoda
12/22/2018 10:06:17 AM



#60
4-Bromofluorobenzene
Concen: 116.776 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.7	67.9	101.9
176	86.6	66.4	99.6





#61

Tetrachloroethene

Concen: 23.543 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

Tgt Ion: 164 Resp: 251437

Ion Ratio Lower Upper

164 100

166 128.9 104.6 157.0

129 90.8 75.3 112.9

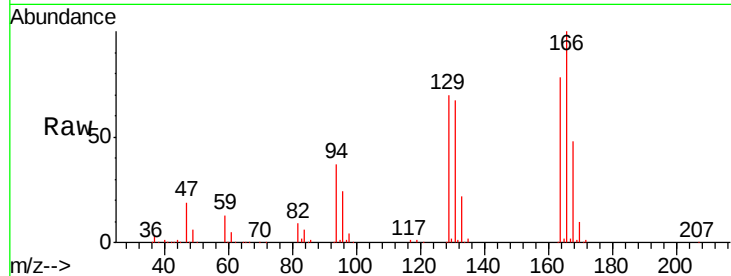
131 86.7 74.3 111.5

Manual Integrations

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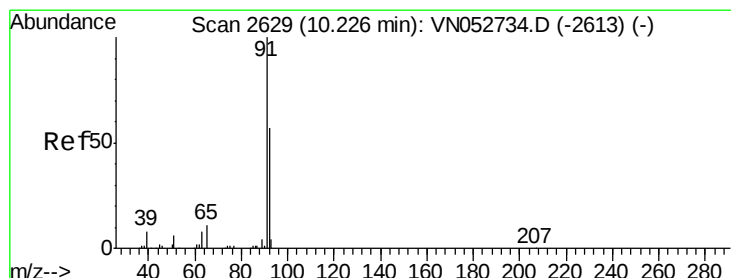
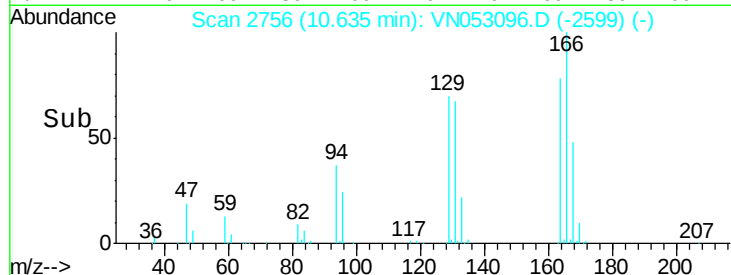
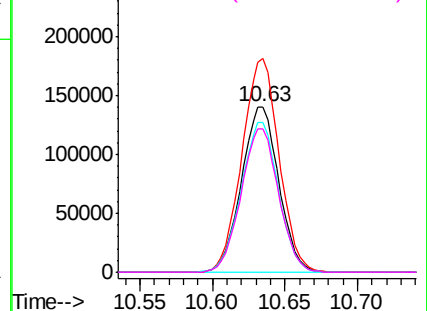


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.849 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053096.D

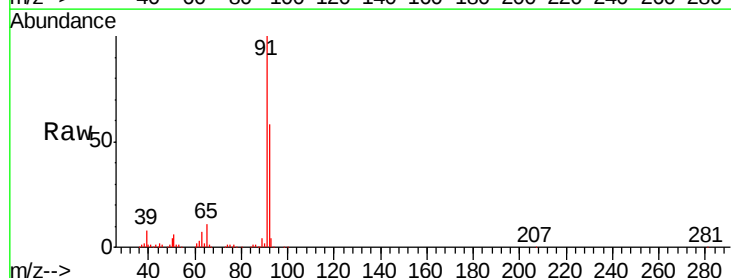
Acq: 21 Dec 2018 11:11

Tgt Ion: 91 Resp: 948834

Ion Ratio Lower Upper

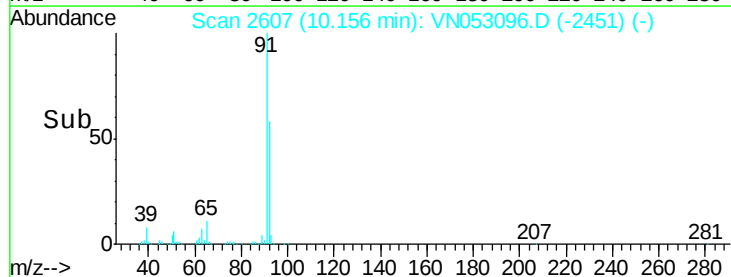
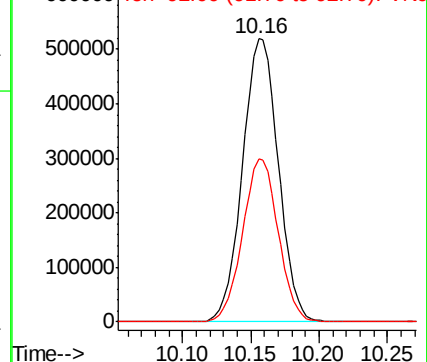
91 100

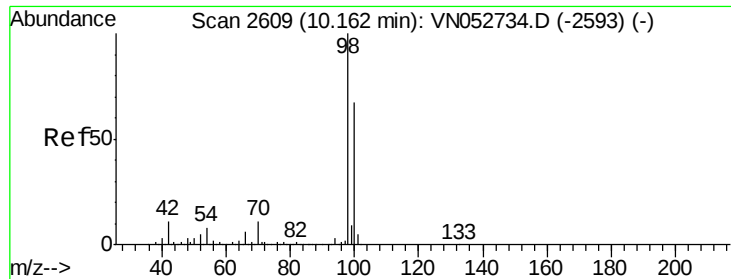
92 57.3 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





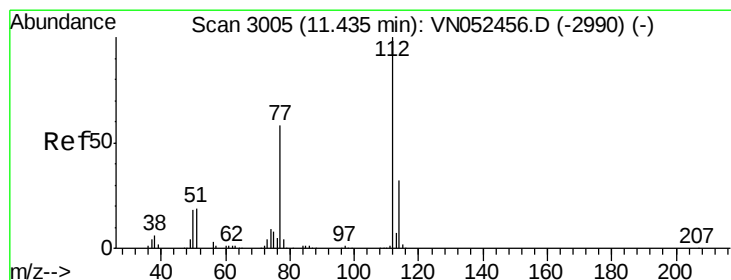
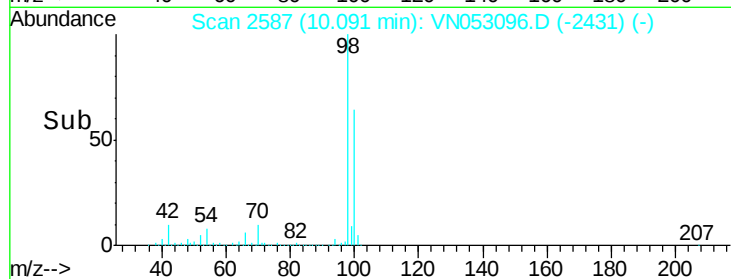
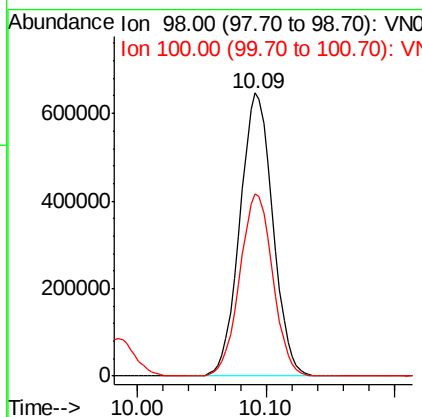
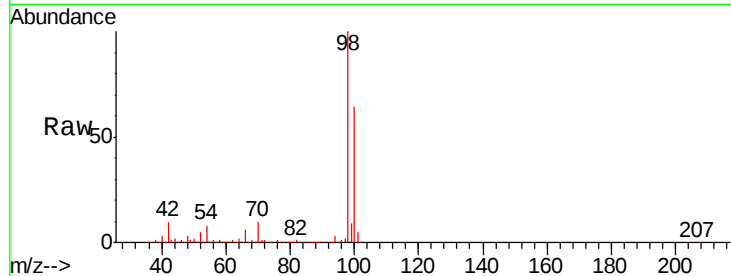
#63
Toluene-d8
Concen: 19.849 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

Tgt Ion: 98 Resp: 1149950
Ion Ratio Lower Upper
98 100
100 64.4 51.1 76.7

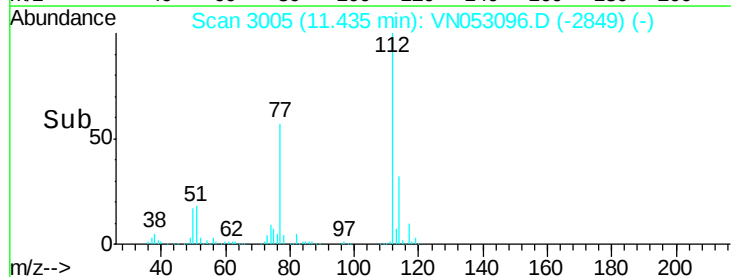
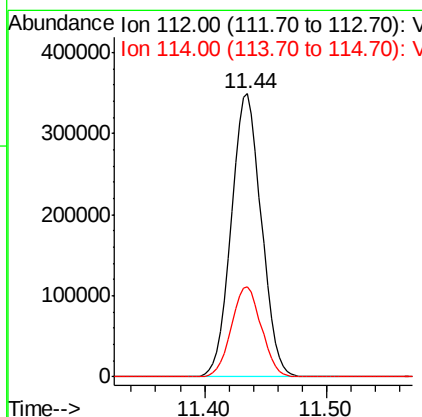
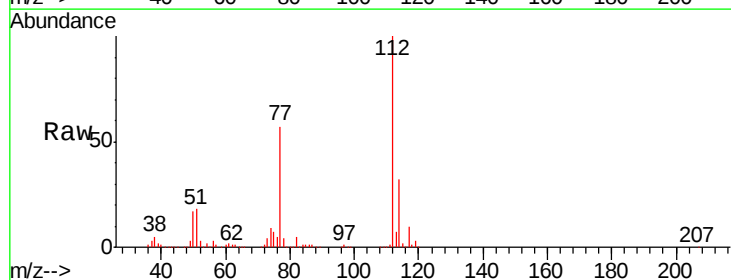
Manual Integrations
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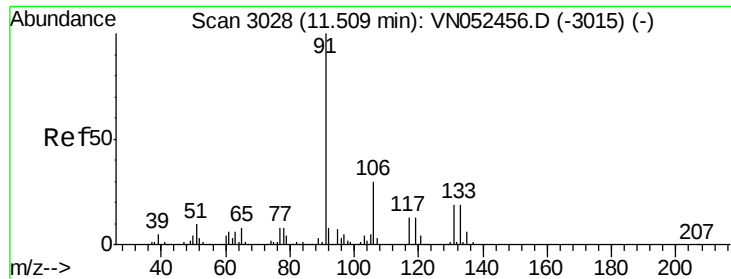
MMDadoda
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#64
Chlorobenzene
Concen: 20.539 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion: 112 Resp: 599256
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4





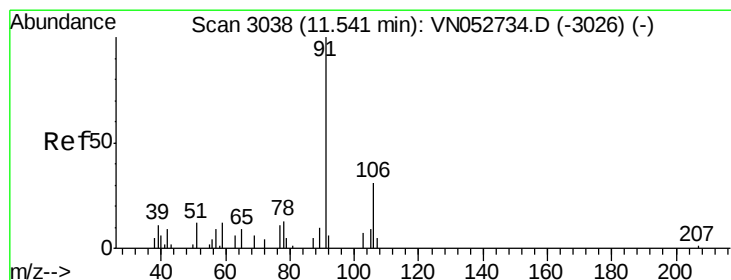
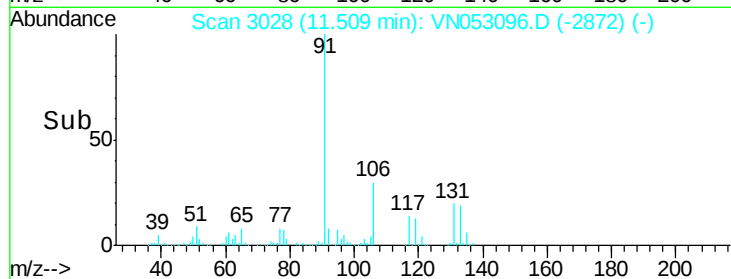
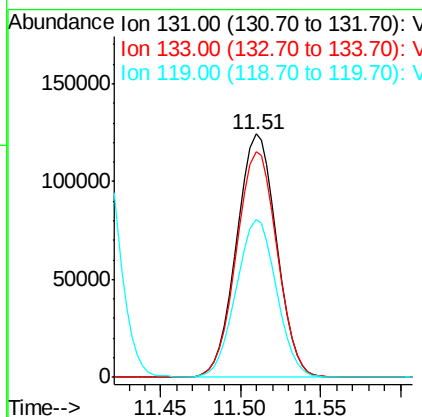
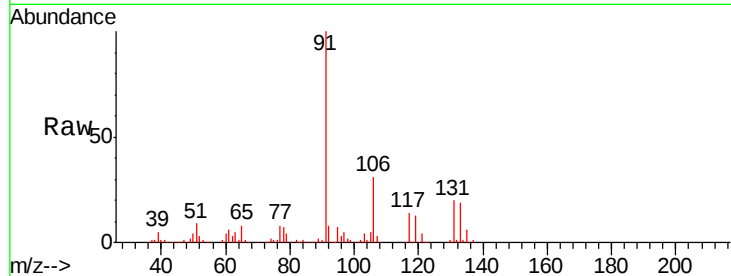
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.975 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	212426		
133	94.3	0.0	193.4	
119	65.2	0.0	133.0	

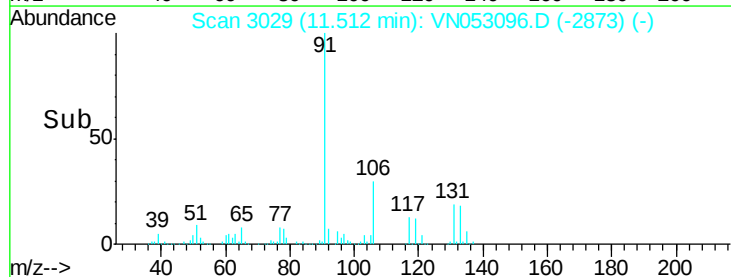
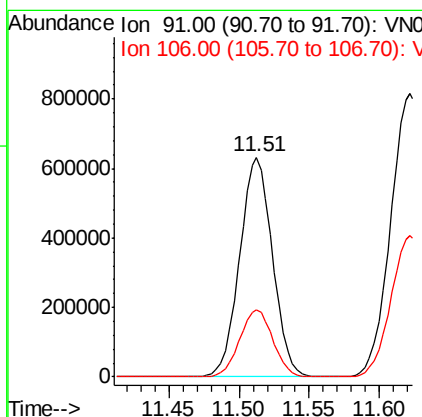
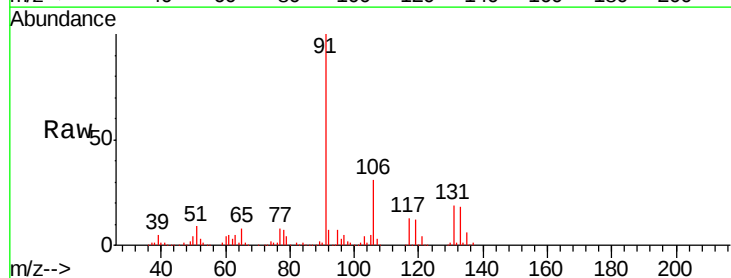
Manual Integrations
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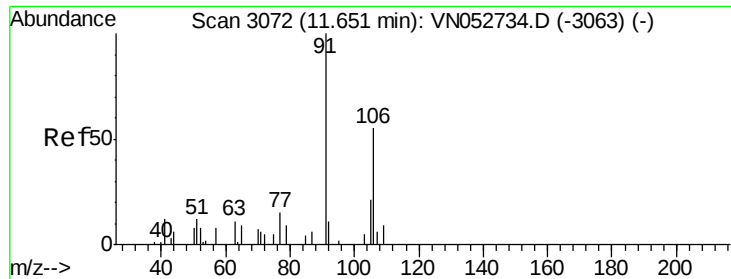
MMDadoda
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#66
 Ethyl Benzene
 Concen: 19.991 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1029954		
106	30.7	24.3	36.5	





#67

m/p-Xylenes

Concen: 40.792 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

Tgt Ion:106 Resp: 782961

Ion Ratio Lower Upper

106 100

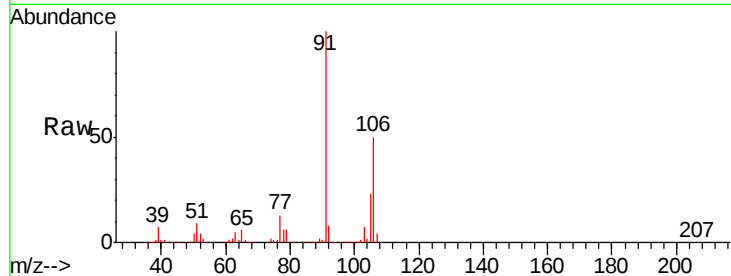
91 201.2 163.9 245.9

Manual Integrations

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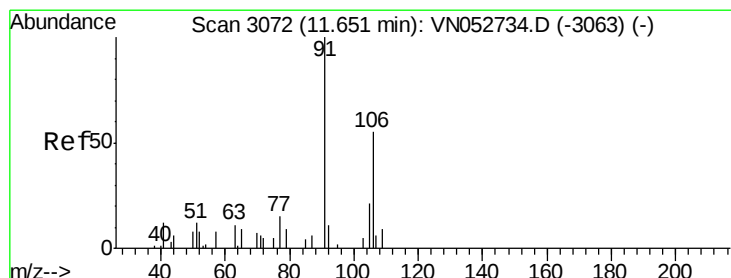
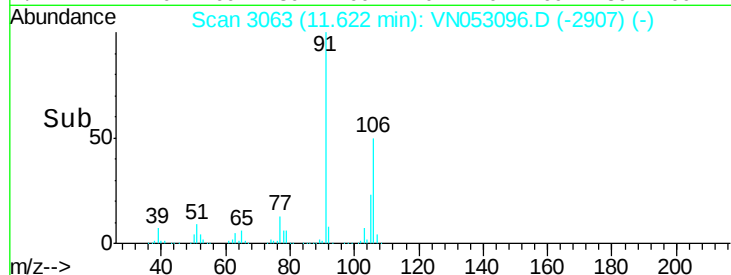
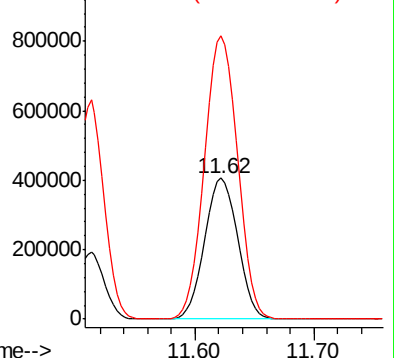
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.766 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN053096.D

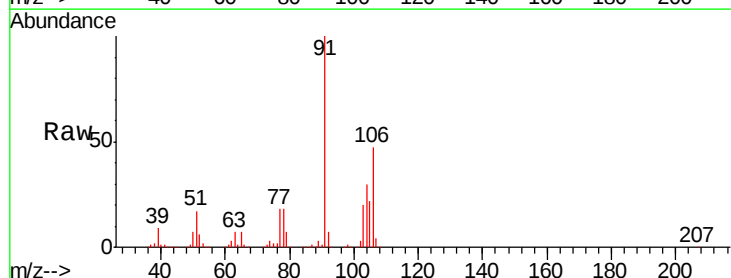
Acq: 21 Dec 2018 11:11

Tgt Ion:106 Resp: 386856

Ion Ratio Lower Upper

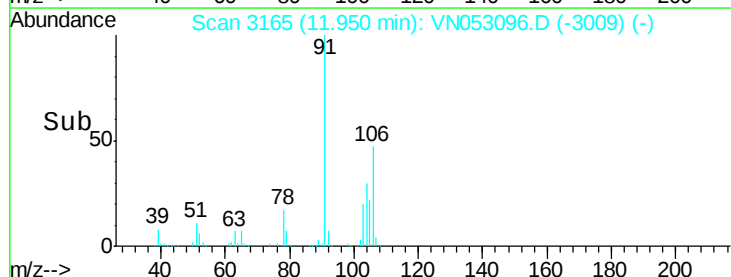
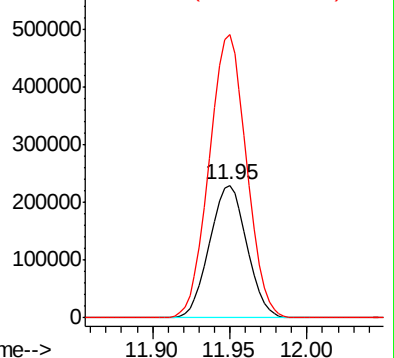
106 100

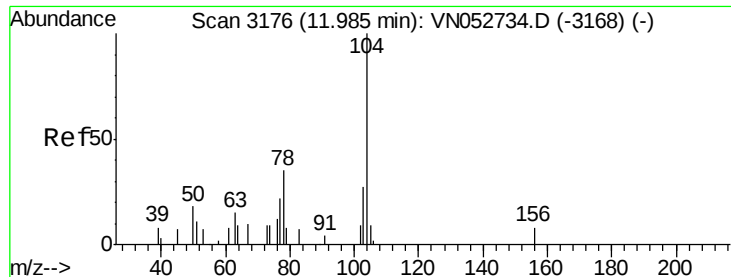
91 212.8 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





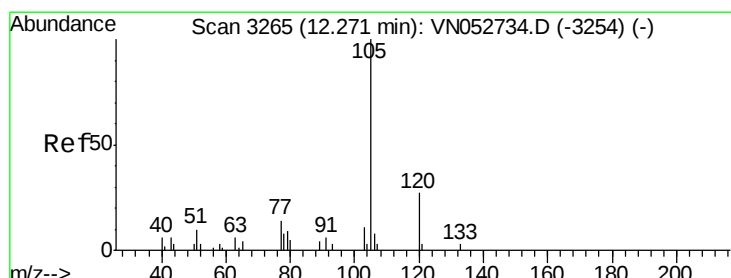
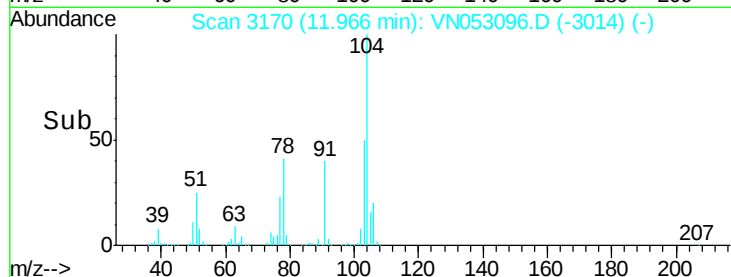
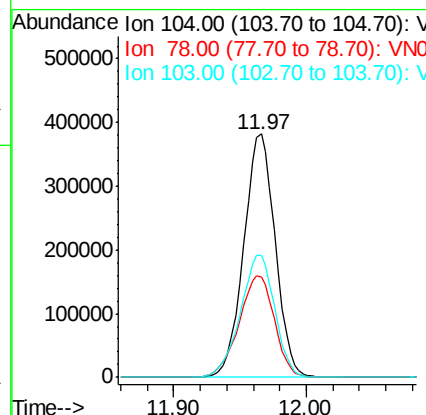
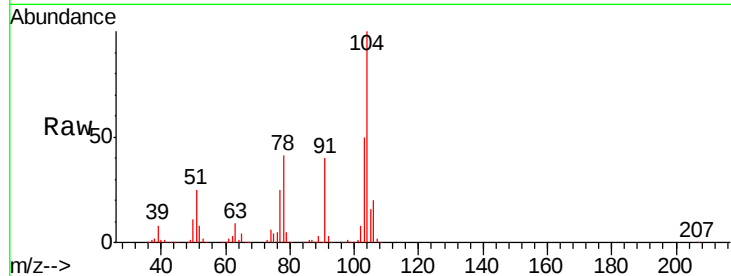
#69
Styrene
Concen: 20.950 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.0	39.3	58.9
103	54.9	44.6	66.8

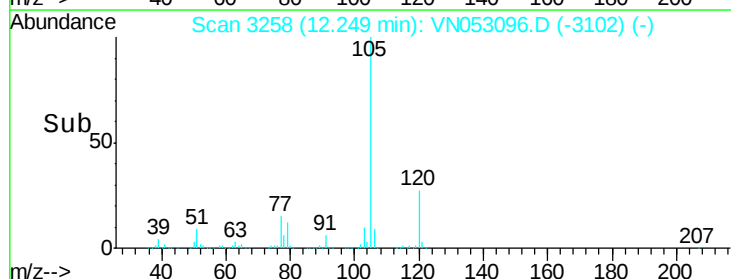
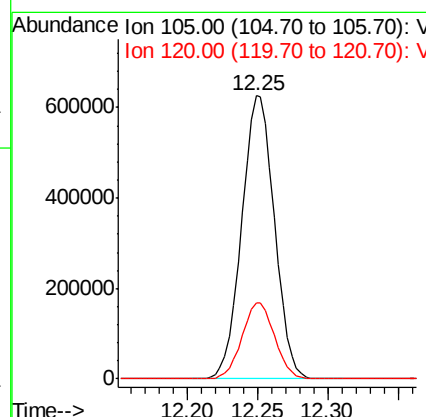
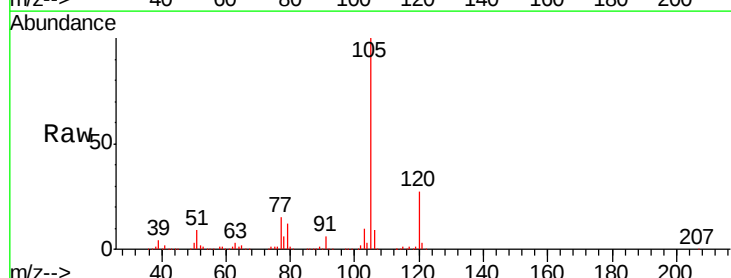
Manual Integrations
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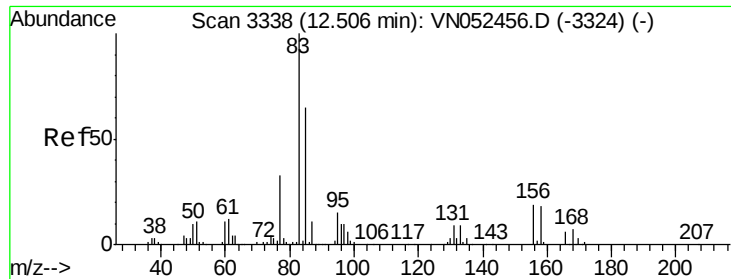
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#70
Isopropylbenzene
Concen: 20.547 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	18.6	34.6





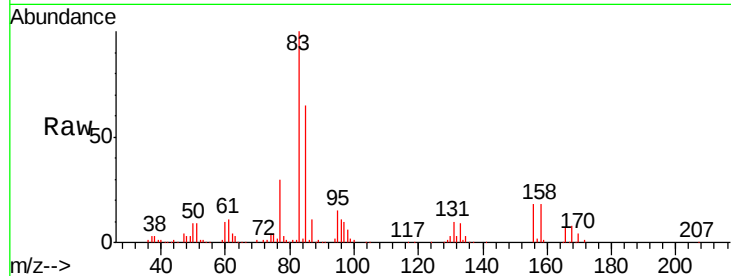
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.939 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

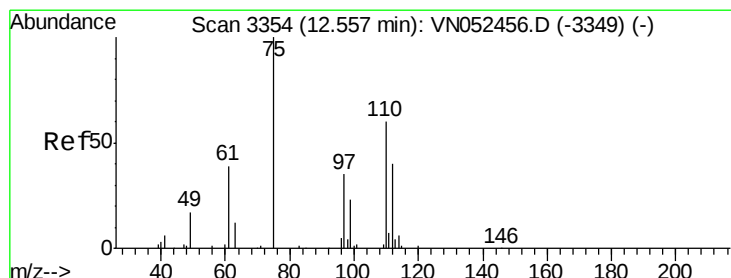
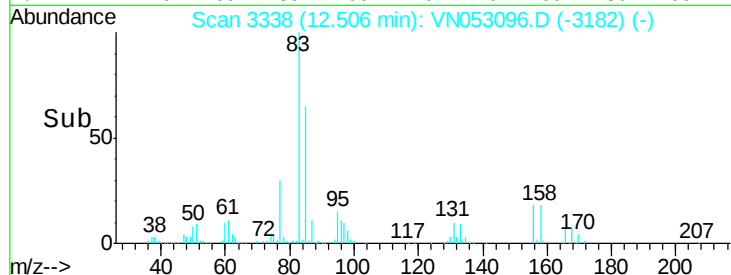
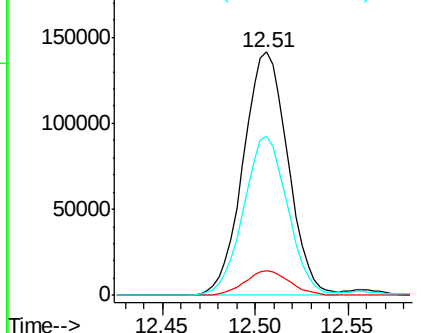
Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
131	10.3	4.9	14.6
85	64.5	32.2	96.6

Manual Integrations
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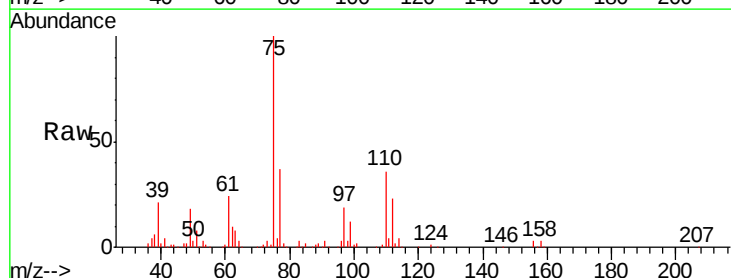


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

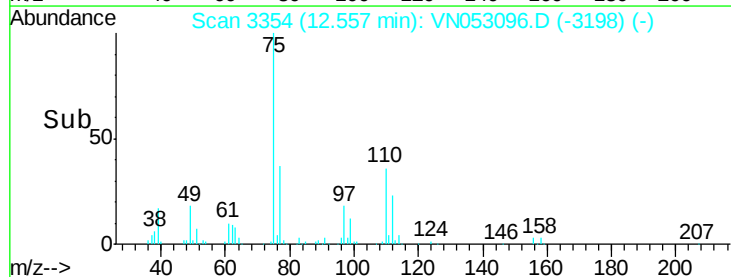
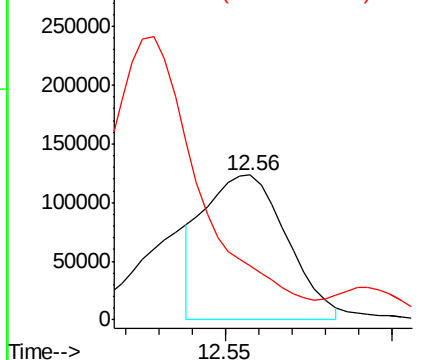


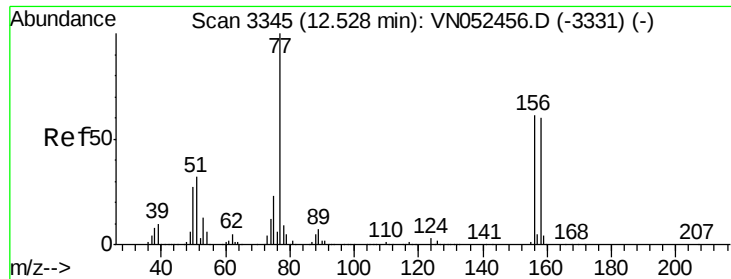
#72
 1,2,3-Trichloropropane
 Concen: 22.961 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
77	223.3	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: 21.815 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

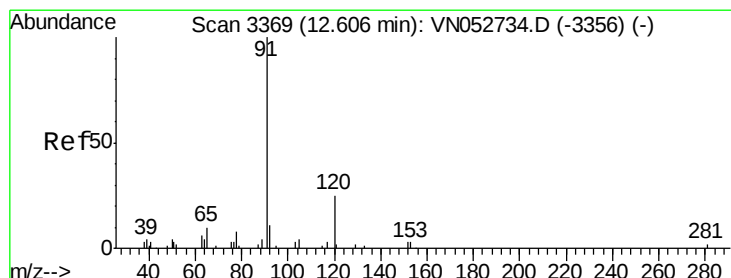
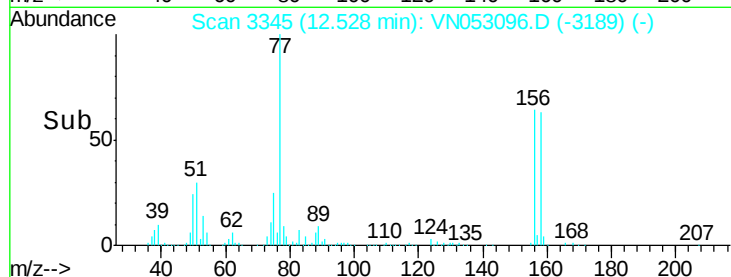
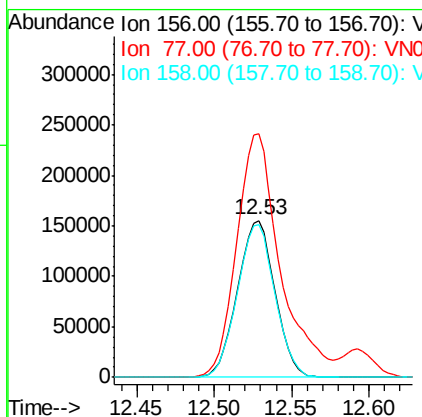
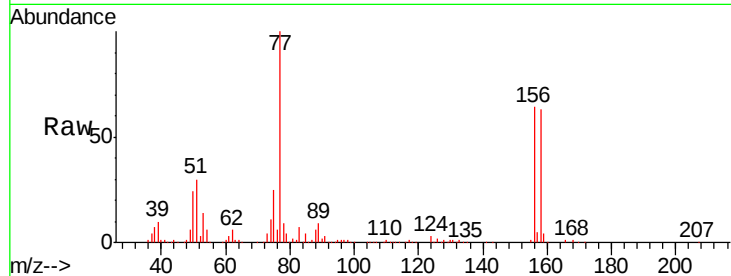
ClientSampleId :

VN1221WBSD01

Tgt Ion:	156	Resp:	261521
Ion Ratio	Lower	Upper	
156	100		
77	181.5	0.0	382.6
158	98.0	0.0	196.8

Manual Integrations
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#74

n-propylbenzene

Concen: 19.654 ug/l

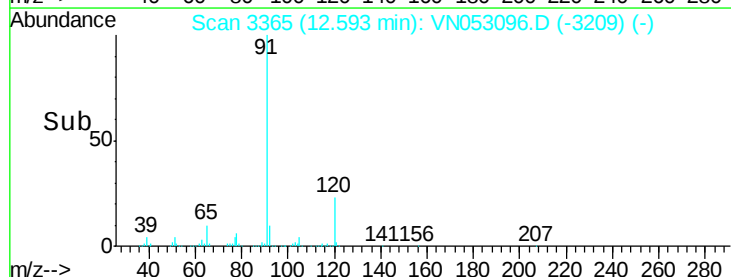
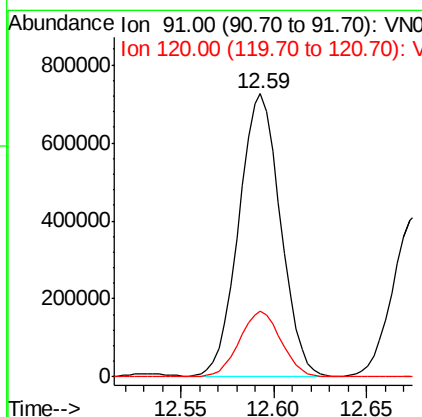
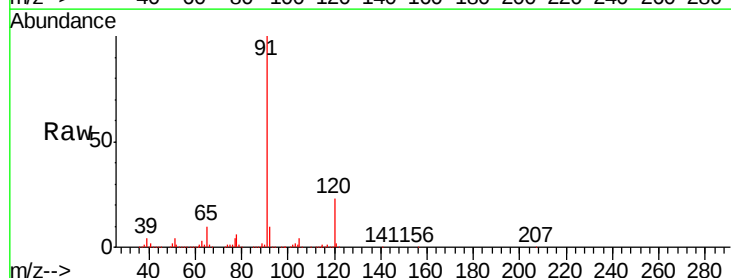
RT: 12.59 min Scan# 3365

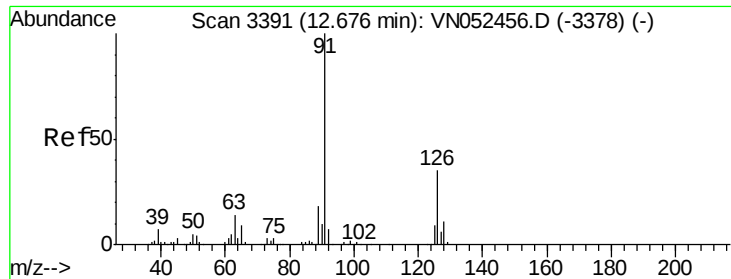
Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Tgt Ion:	91	Resp:	1135111
Ion Ratio	Lower	Upper	
91	100		
120	23.0	0.0	44.6





#75

2-Chlorotoluene

Concen: 20.328 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

Tgt Ion: 91 Resp: 681446

Ion Ratio Lower Upper

91 100

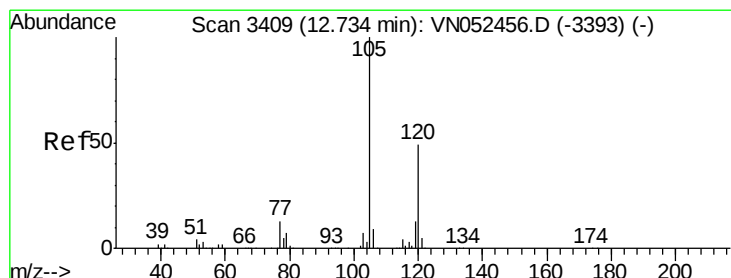
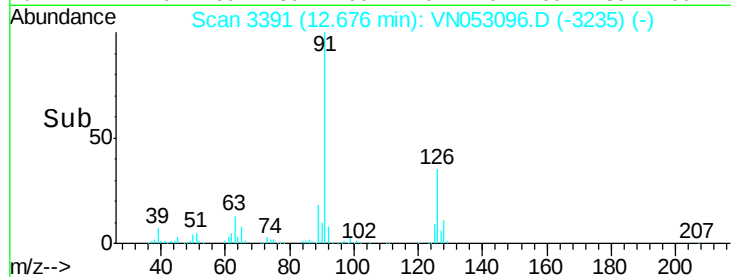
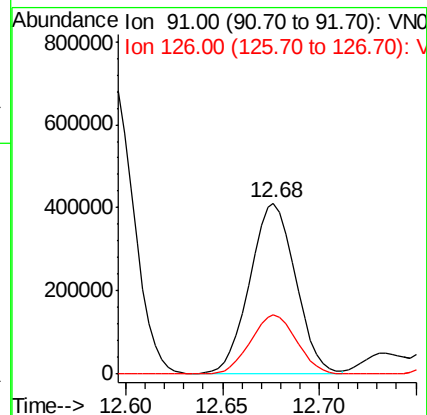
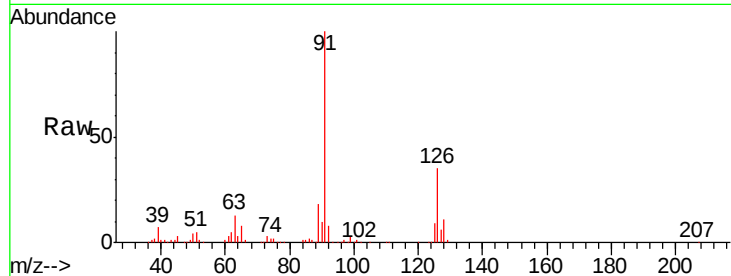
126 34.9 0.0 68.4

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#76

1,3,5-Trimethylbenzene

Concen: 20.083 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053096.D

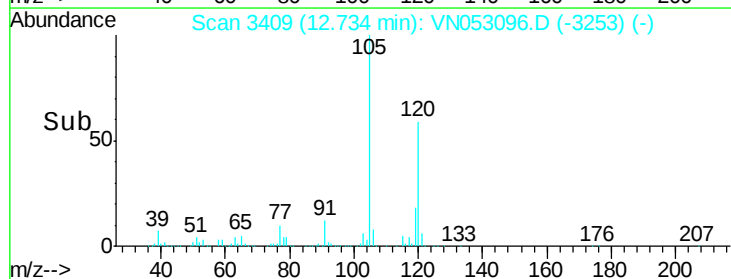
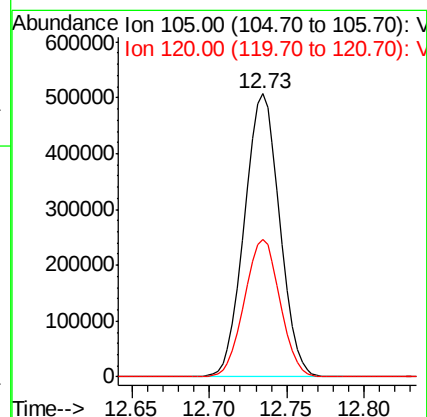
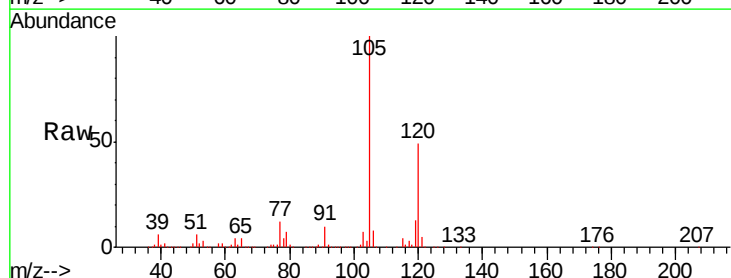
Acq: 21 Dec 2018 11:11

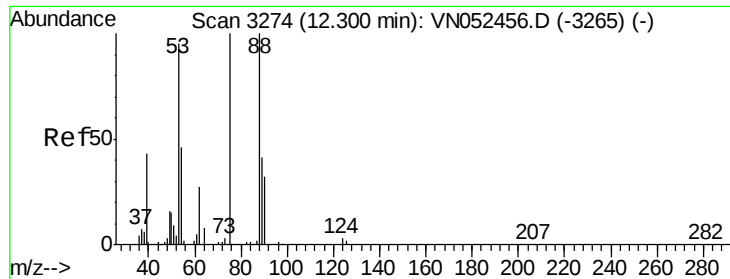
Tgt Ion: 105 Resp: 804040

Ion Ratio Lower Upper

105 100

120 49.1 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 22.518 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

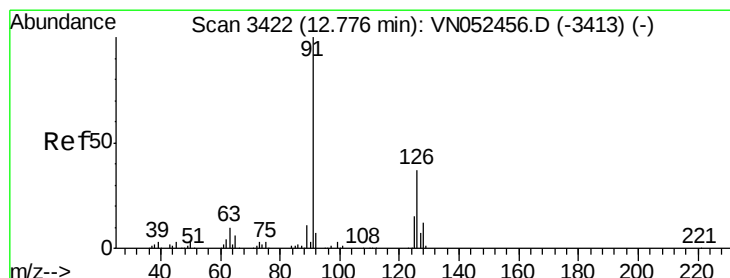
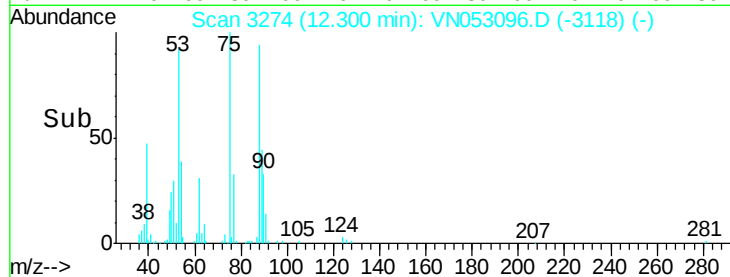
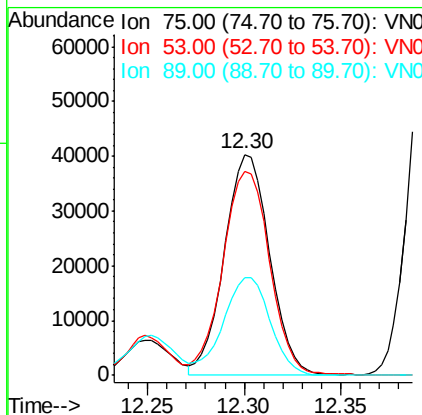
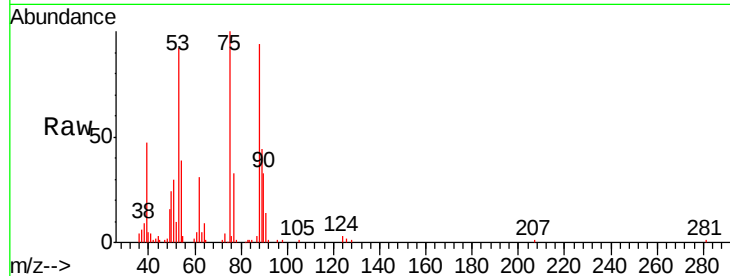
ClientSampleId :

VN1221WBSD01

Tgt Ion:	75	Resp:	65841
Ion	Ratio	Lower	Upper
75	100		
53	91.9	48.5	145.6
89	44.3	21.7	65.1

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#78

4-Chlorotoluene

Concen: 20.253 ug/l

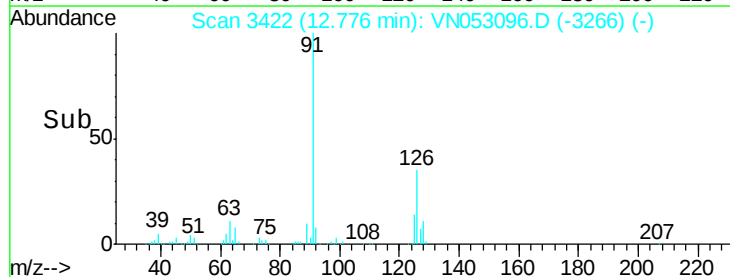
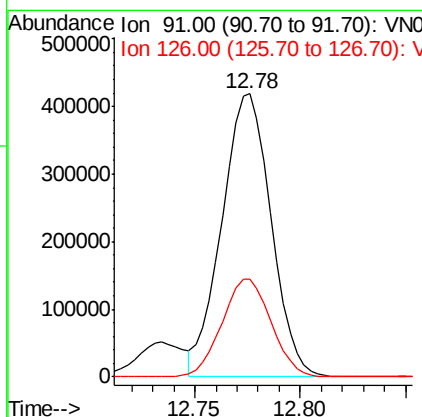
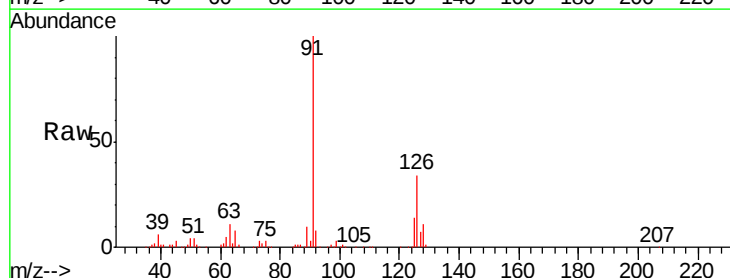
RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Tgt Ion:	91	Resp:	678023
Ion	Ratio	Lower	Upper
91	100		
126	34.6	0.0	68.2





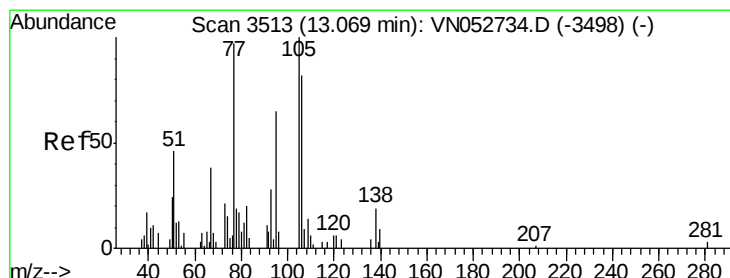
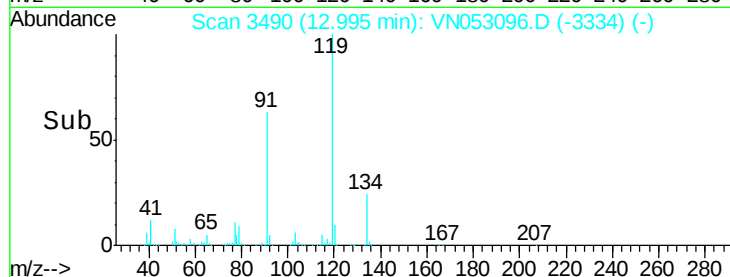
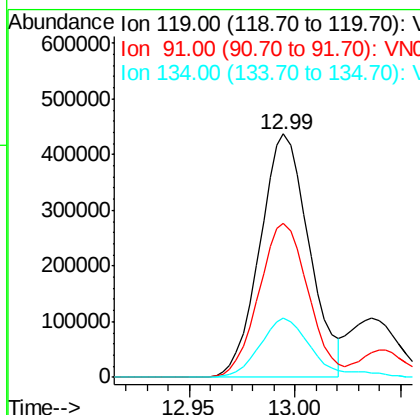
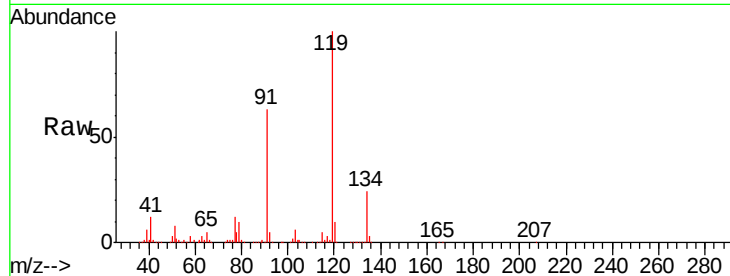
#79
tert-butylbenzene
Concen: 20.374 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	710394		
91	63.5	0.0	129.8	
134	24.4	0.0	52.2	

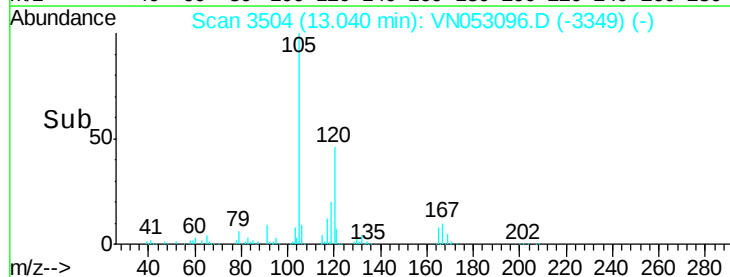
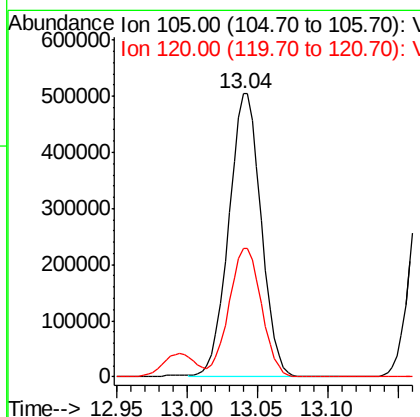
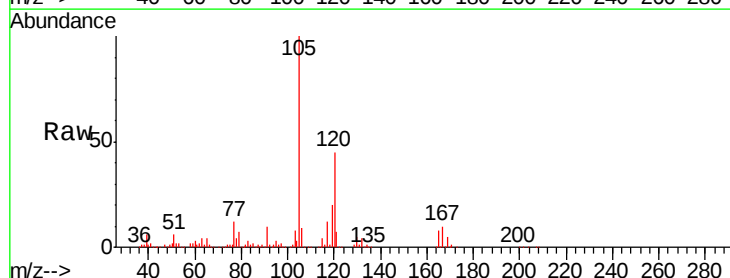
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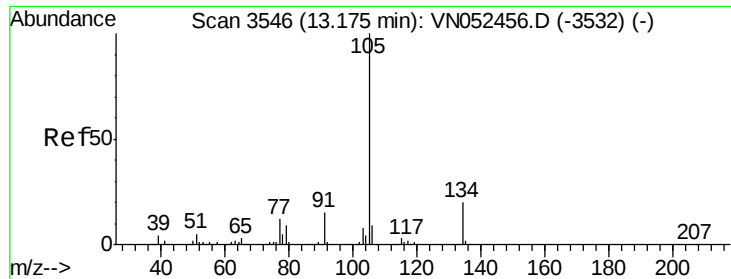
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#80
1,2,4-Trimethylbenzene
Concen: 20.231 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	810481		
120	45.7	0.0	91.0	





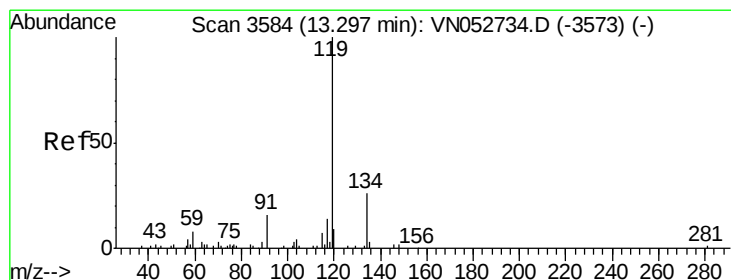
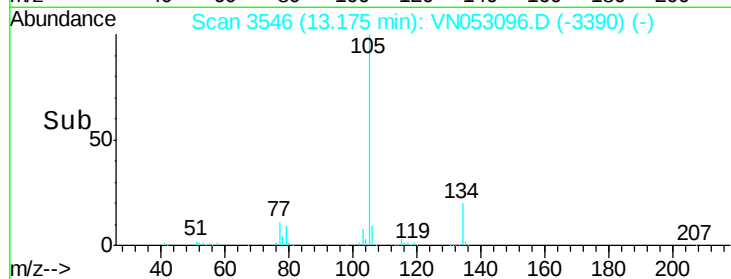
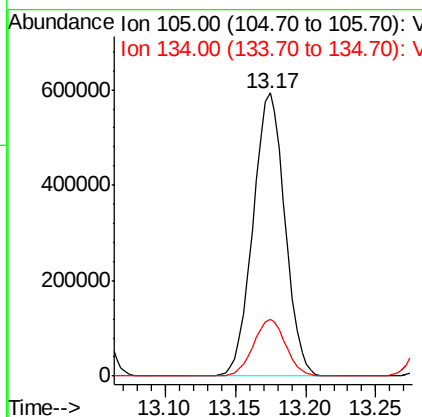
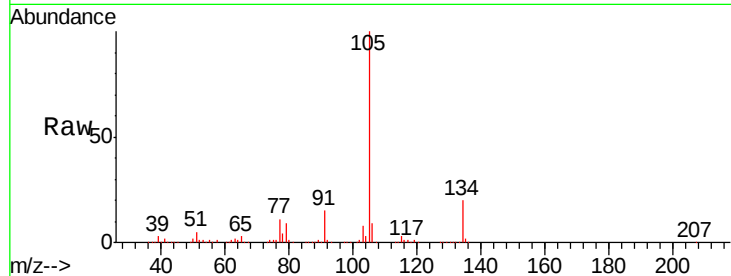
#81
 sec-Butylbenzene
 Concen: 19.318 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
134	20.2	0.0	40.4

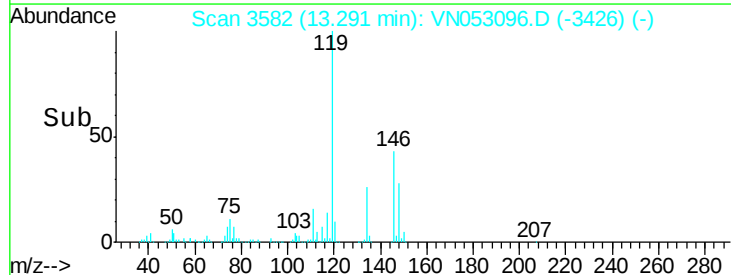
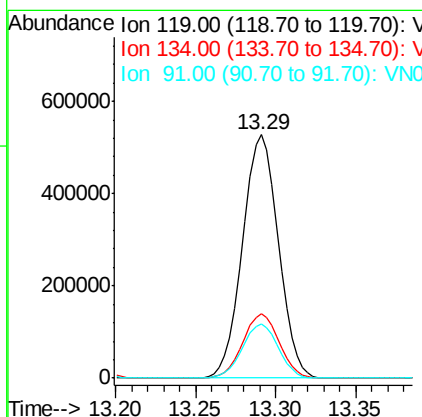
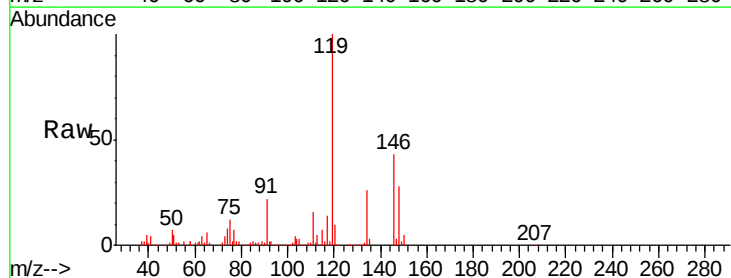
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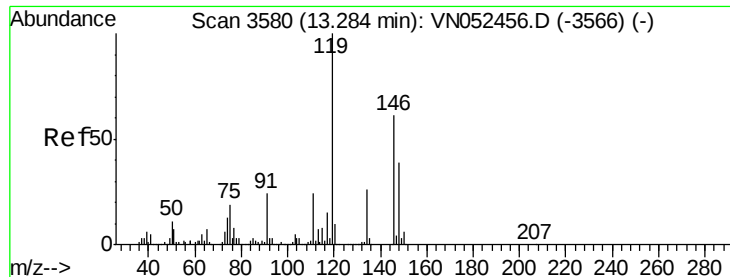
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#82
 p-Isopropyltoluene
 Concen: 19.479 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
119	100		
134	26.5	0.0	52.6
91	22.3	0.0	46.2





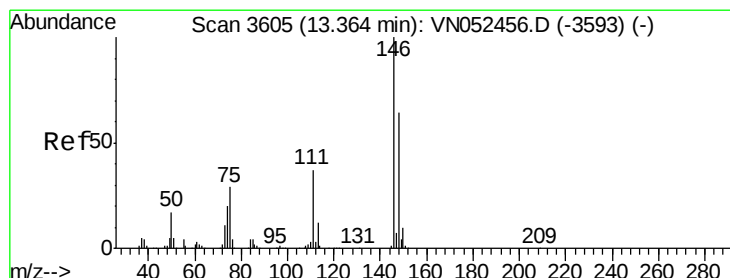
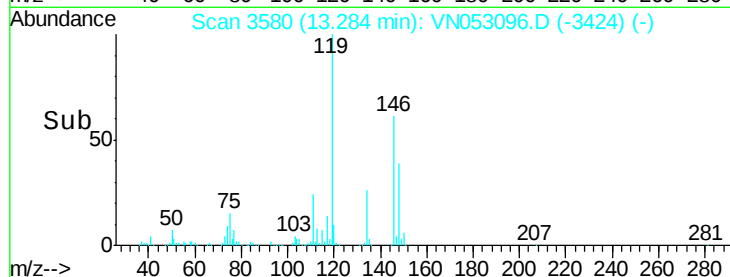
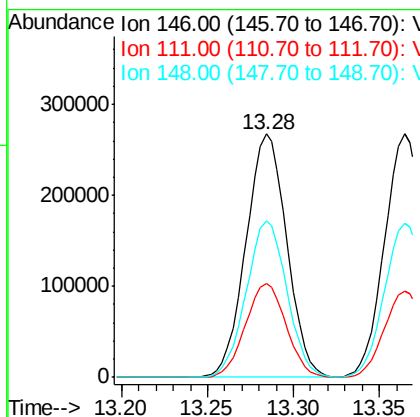
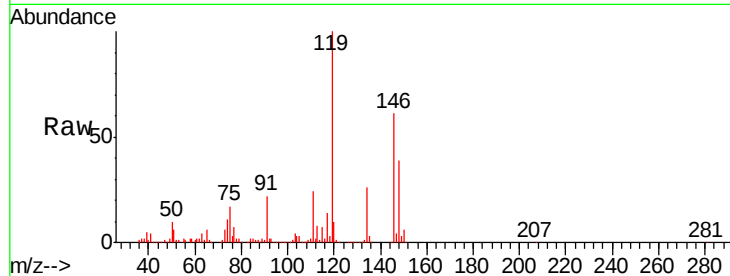
#83
 1,3-Dichlorobenzene
 Concen: 20.882 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.0
148	64.1	32.3	96.8

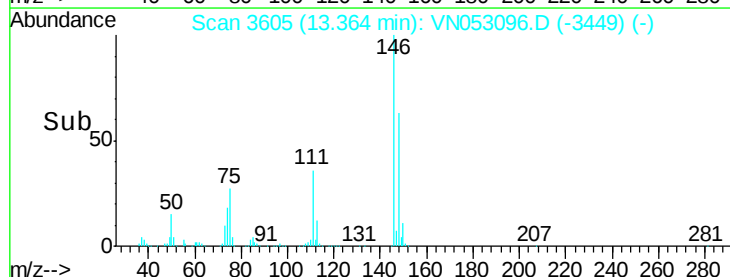
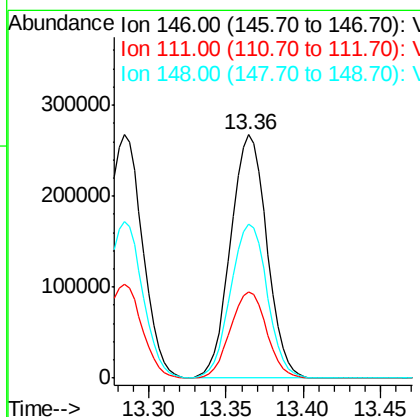
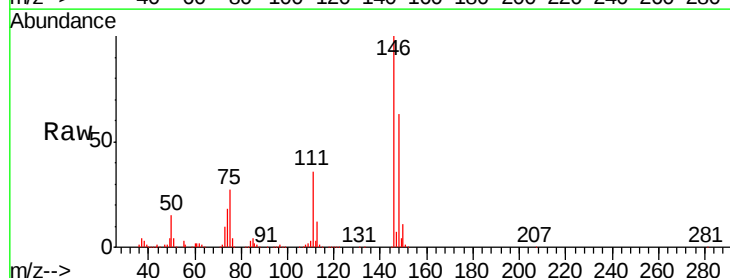
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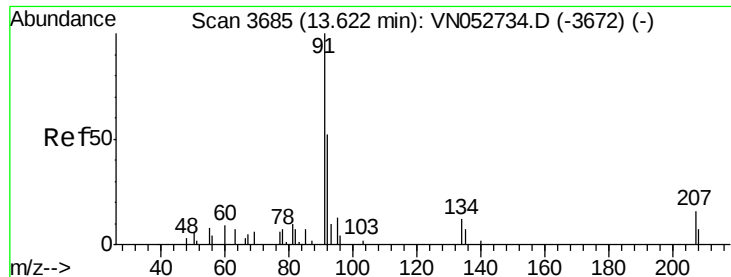
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 12/22/2018 10:06:17 AM



#84
 1,4-Dichlorobenzene
 Concen: 21.396 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.8	56.3
148	63.8	32.5	97.4





#85

n-Butylbenzene

Concen: 17.885 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

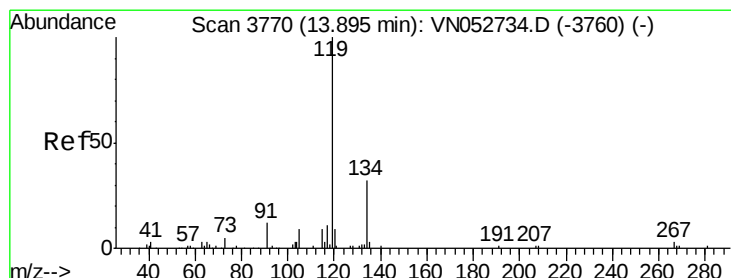
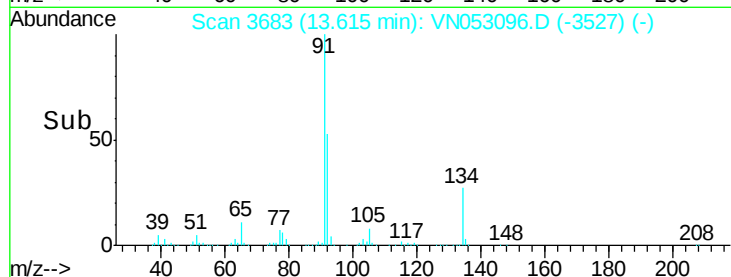
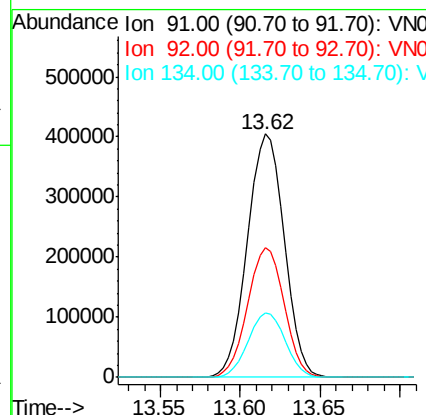
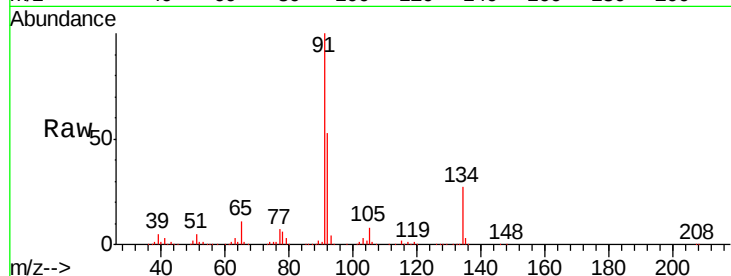
ClientSampleId :

VN1221WBSD01

Tgt Ion:	91	Resp:	635308
Ion Ratio	Lower	Upper	
91	100		
92	52.9	0.0	104.2
134	26.7	0.0	50.6

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#86

Hexachloroethane

Concen: 18.028 ug/l

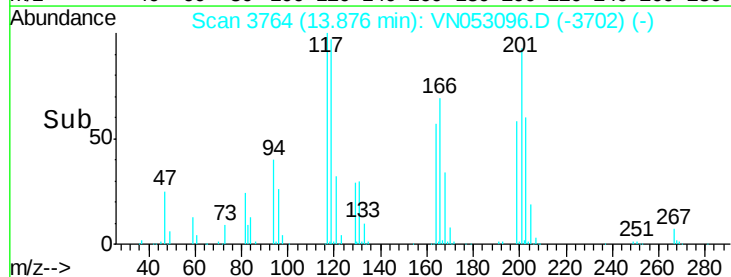
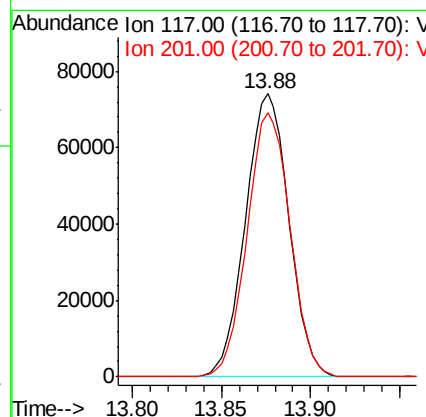
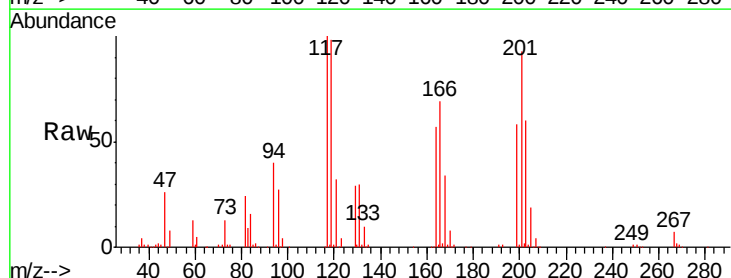
RT: 13.88 min Scan# 3764

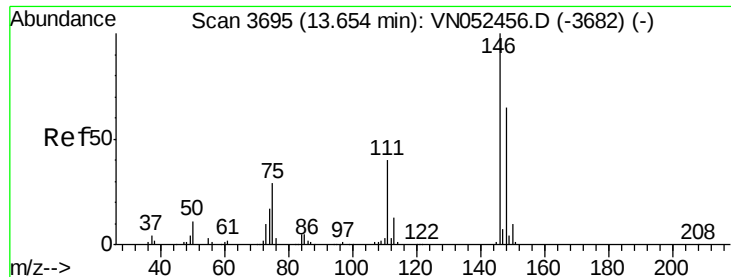
Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Tgt Ion:	117	Resp:	126323
Ion Ratio	Lower	Upper	
117	100		
201	92.1	43.8	131.3





#87

1,2-Dichlorobenzene

Concen: 21.168 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

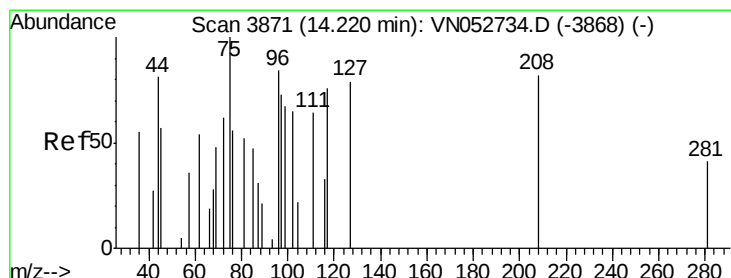
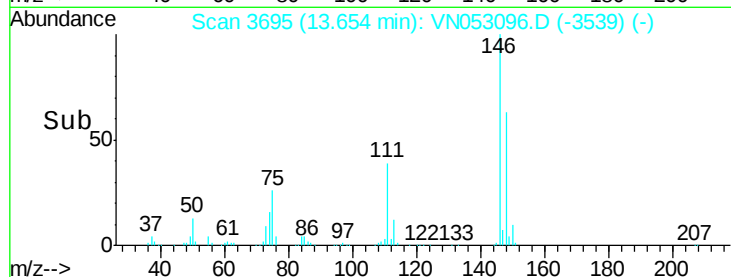
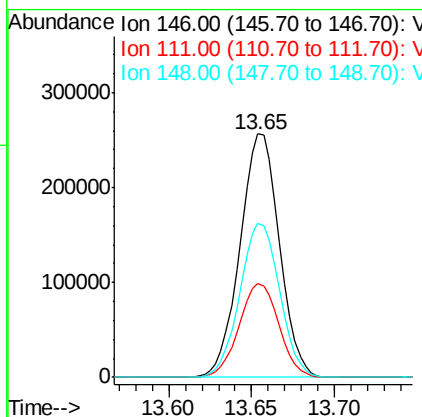
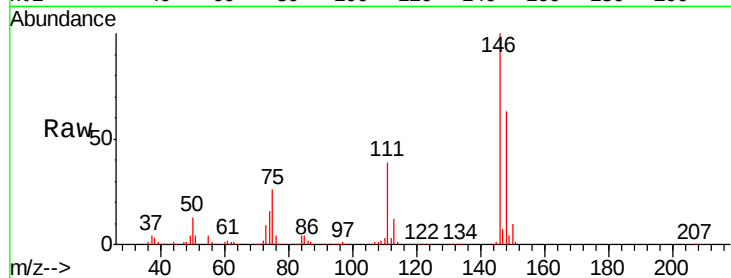
ClientSampleId :

VN1221WBSD01

Tgt Ion:	146	Resp:	424719
Ion Ratio		Lower	Upper
146	100		
111	38.9	20.3	60.8
148	64.0	32.1	96.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 22.398 ug/l

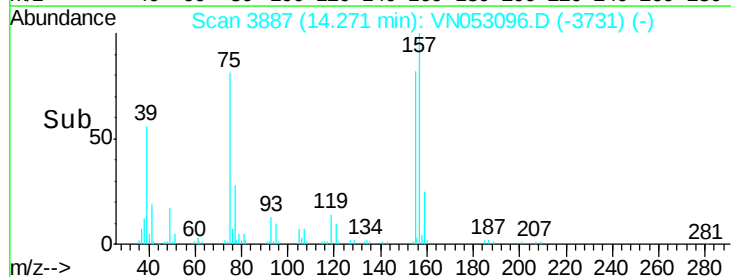
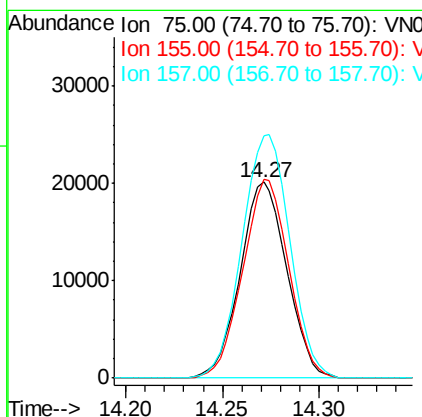
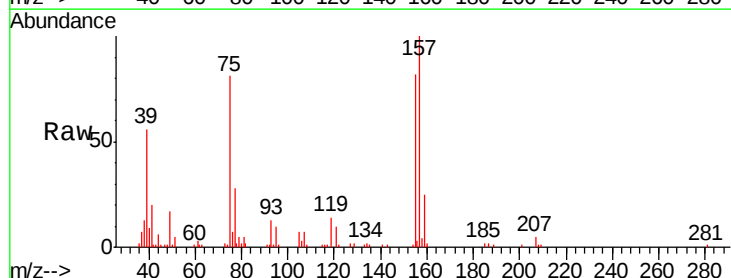
RT: 14.27 min Scan# 3887

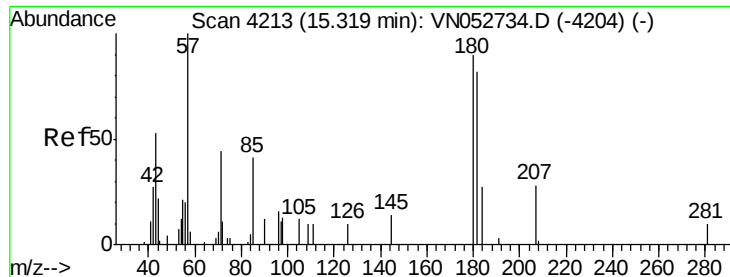
Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Tgt Ion:	75	Resp:	33829
Ion Ratio		Lower	Upper
75	100		
155	99.9	72.2	108.2
157	127.3	94.2	141.2





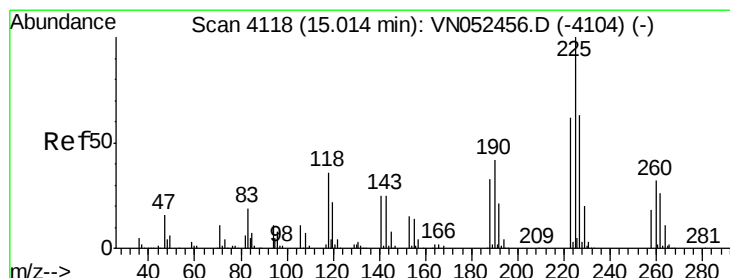
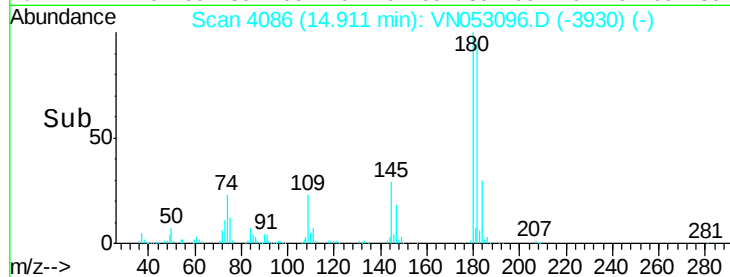
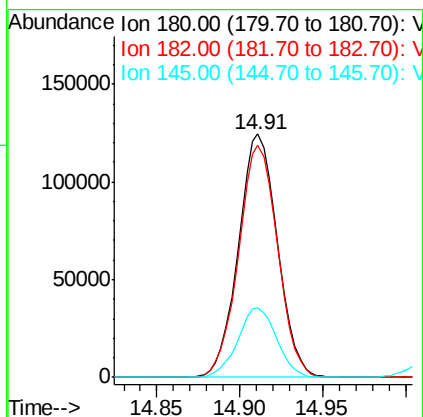
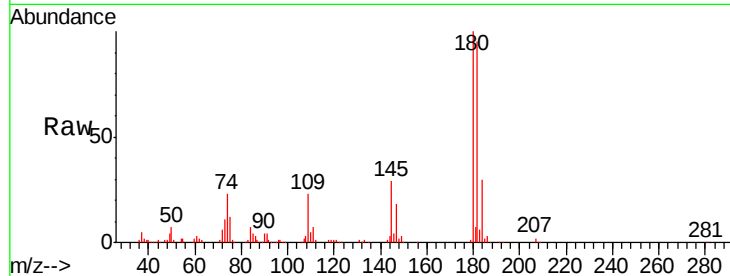
#89
 1,2,4-Trichlorobenzene
 Concen: 20.607 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	114.8
145	28.5	23.6	35.4

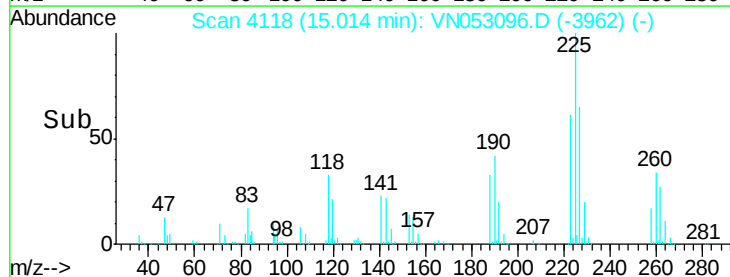
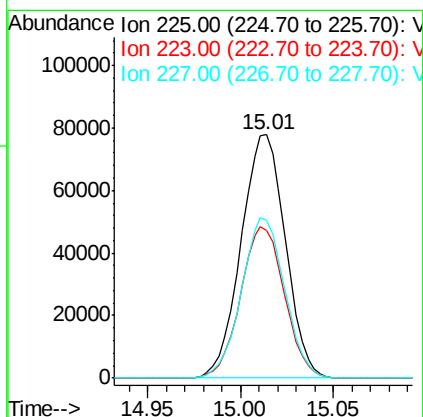
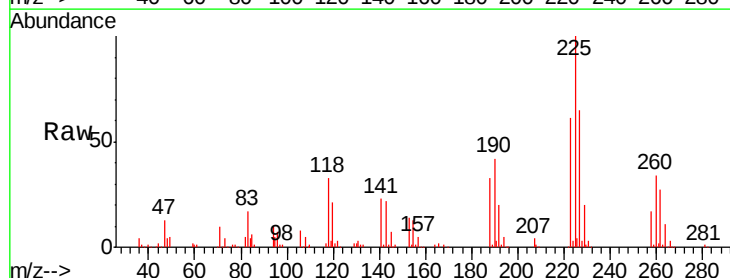
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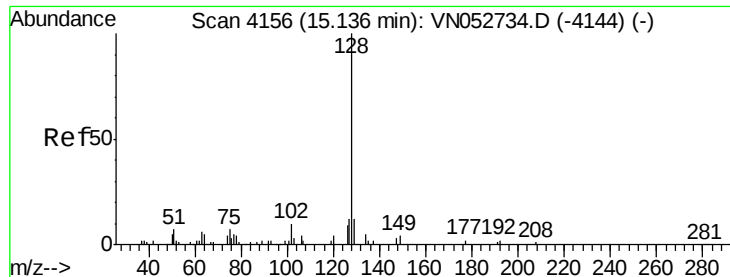
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#90
 Hexachlorobutadiene
 Concen: 19.874 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	0.0	125.6
227	64.2	0.0	127.8





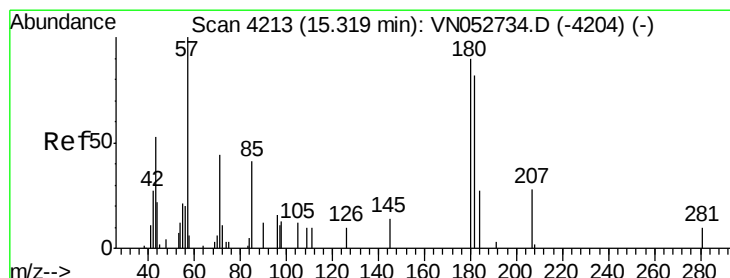
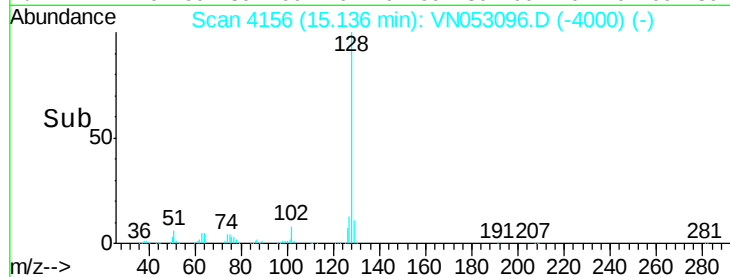
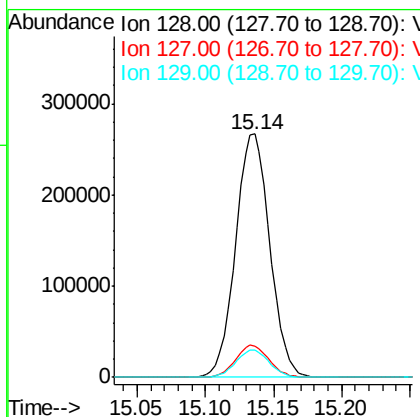
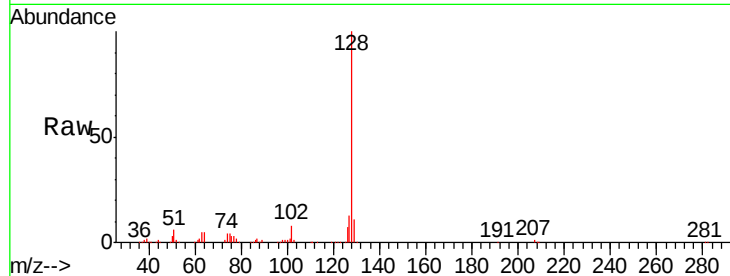
#91
Naphthalene
Concen: 23.247 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	464076		
127	12.8	9.9	14.9	
129	11.0	8.5	12.7	

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#92
1,2,3-Trichlorobenzene
Concen: 20.813 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	189608		
182	95.5	0.0	196.2	
145	29.8	0.0	62.2	

