

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010319\
 Data File : VN053251.D
 Acq On : 3 Jan 2019 10:16
 Operator : MD\SY
 Sample : VN0103WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0103WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 12:38:58 PM

Quant Time: Jan 04 08:46:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	902572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1336008	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1198201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	480494	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	447849	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
35) Dibromofluoromethane	7.59	113	383645	62.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.72%	
50) Toluene-d8	10.09	98	1632990	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.40	95	551635	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	155379	17.010	ug/l	100
3) Chloromethane	2.06	50	195045	17.620	ug/l	100
4) Vinyl Chloride	2.19	62	198200	17.680	ug/l	99
5) Bromomethane	2.57	94	131038	16.871	ug/l	99
6) Chloroethane	2.71	64	120855	18.202	ug/l	98
7) Trichlorofluoromethane	3.02	101	266392	19.075	ug/l	100
8) Diethyl Ether	3.41	74	103521	19.649	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	179800	20.192	ug/l	99
10) Methyl Iodide	3.96	142	233074	18.639	ug/l	100
11) Tert butyl alcohol	4.77	59	48931	87.553	ug/l	99
12) 1,1-Dichloroethene	3.74	96	160553	18.663	ug/l	97
13) Acrolein	3.61	56	38467	75.909	ug/l	93
14) Allyl chloride	4.33	41	257575	19.330	ug/l	96
15) Acrylonitrile	4.99	53	308499	99.362	ug/l	99
16) Acetone	3.82	43	220764	122.929	ug/l	96
17) Carbon Disulfide	4.06	76	415105	14.796	ug/l	99
18) Methyl Acetate	4.33	43	175170	22.056	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	459735	19.970	ug/l	100
20) Methylene Chloride	4.55	84	194265	19.831	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	172830	18.699	ug/l	97
22) Diisopropyl ether	5.95	45	602472	21.182	ug/l	99
23) Vinyl Acetate	5.90	43	1685206	103.035	ug/l	99
24) 1,1-Dichloroethane	5.85	63	339262	20.073	ug/l	99
25) 2-Butanone	6.83	43	336906	111.784	ug/l	97
26) 2,2-Dichloropropane	6.83	77	255605	19.811	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	208517	19.927	ug/l	100
28) Bromochloromethane	7.20	49	145175	19.822	ug/l	98
29) Tetrahydrofuran	7.21	42	224080	99.547	ug/l	98
30) Chloroform	7.37	83	336011	20.238	ug/l	99
31) Cyclohexane	7.65	56	307580	18.747	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	278452	19.687	ug/l	99
36) 1,1-Dichloropropene	7.79	75	249190	19.433	ug/l	100
37) Ethyl Acetate	6.93	43	149762	20.921	ug/l	99
38) Carbon Tetrachloride	7.78	117	237337	20.192	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	292633	18.785	ug/l	98
40) Benzene	8.04	78	779641	20.440	ug/l	100
41) Methacrylonitrile	7.17	41	89767	21.703	ug/l	92
42) 1,2-Dichloroethane	8.12	62	227925	20.228	ug/l	97
43) Isopropyl Acetate	8.16	43	272706	19.039	ug/l	98
44) Trichloroethene	8.84	130	210387	19.070	ug/l	94
45) 1,2-Dichloropropane	9.12	63	212308	21.369	ug/l	98
46) Dibromomethane	9.21	93	118151	20.414	ug/l	98
47) Bromodichloromethane	9.40	83	256829	20.876	ug/l	100
48) Methyl methacrylate	9.20	41	135865	19.559	ug/l	98
49) 1,4-Dioxane	9.20	88	27429	312.153	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	729299	105.199	ug/l	99
52) Toluene	10.16	92	486697	20.586	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	252825	19.543	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	302958	20.402	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	176459	21.394	ug/l	99
56) Ethyl methacrylate	10.43	69	218606	20.024	ug/l	98
57) 1,3-Dichloropropane	10.71	76	296801	20.985	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	615880	102.760	ug/l	98
59) 2-Hexanone	10.75	43	489486	104.358	ug/l	99
60) Dibromochloromethane	10.90	129	192280	20.366	ug/l	98
61) 1,2-Dibromoethane	11.00	107	166554	19.883	ug/l	98
64) Tetrachloroethene	10.63	164	223632	17.230	ug/l	98
65) Chlorobenzene	11.43	112	541832	20.400	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	191521	20.735	ug/l	99
67) Ethyl Benzene	11.51	91	922997	20.207	ug/l	100
68) m/p-Xylenes	11.62	106	695664	40.062	ug/l	100
69) o-Xylene	11.95	106	340921	20.460	ug/l	100
70) Styrene	11.96	104	551814	20.309	ug/l	99
71) Bromoform	12.13	173	120556	18.067	ug/l #	98
73) Isopropylbenzene	12.25	105	909560	24.194	ug/l	99
74) N-amyl acetate	12.07	43	222160	21.285	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	173347	23.503	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	154241m	19.069	ug/l	
77) Bromobenzene	12.53	156	226272	23.154	ug/l	97
78) n-propylbenzene	12.59	91	1012693	23.652	ug/l	99
79) 2-Chlorotoluene	12.67	91	597681	22.520	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	702955	22.940	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	51596	20.560	ug/l	99
82) 4-Chlorotoluene	12.77	91	595858	22.935	ug/l	99
83) tert-Butylbenzene	12.99	119	637773	23.533	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	695738	22.586	ug/l	100
85) sec-Butylbenzene	13.17	105	830013	22.643	ug/l	100
86) p-Isopropyltoluene	13.29	119	699056	22.070	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	356024	20.584	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	344697	19.680	ug/l	99
89) n-Butylbenzene	13.62	91	538547	19.763	ug/l	99
90) Hexachloroethane	13.88	117	104156	21.428	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	298814	18.357	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10260	8.045	ug/l	96

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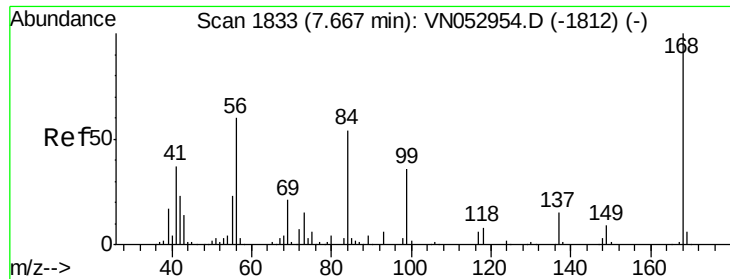
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	33026	4.380	ug/l	99
94) Hexachlorobutadiene	15.01	225	47022	8.125	ug/l	99
95) Naphthalene	15.13	128	49015	3.682	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	18306	2.841	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0103WBS01

Tot Ion:168 Resp: 902572

Ion Ratio Lower Upper

168 100

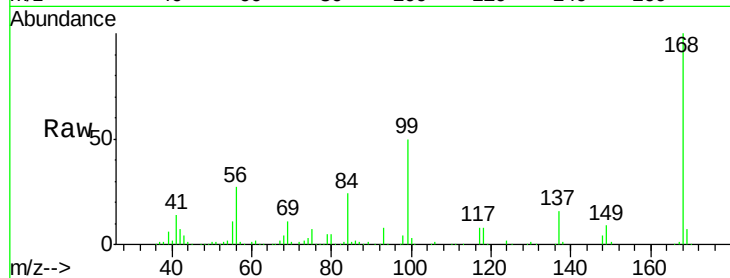
99 50.3 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

400000

300000

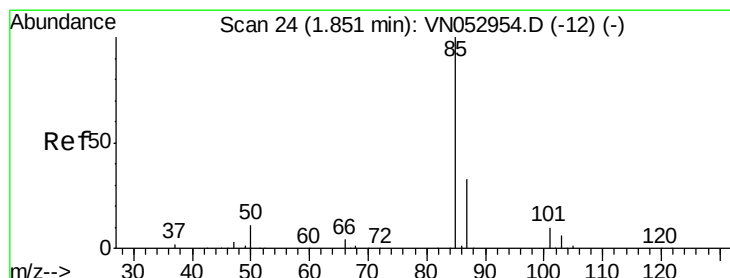
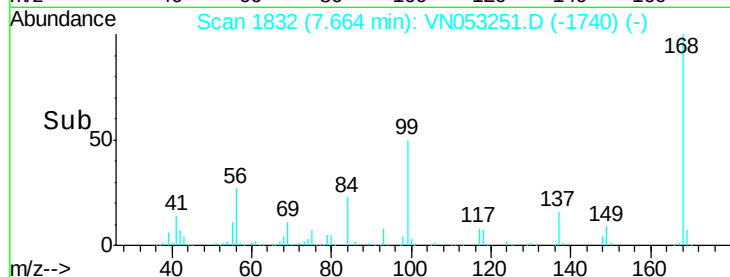
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.010 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053251.D

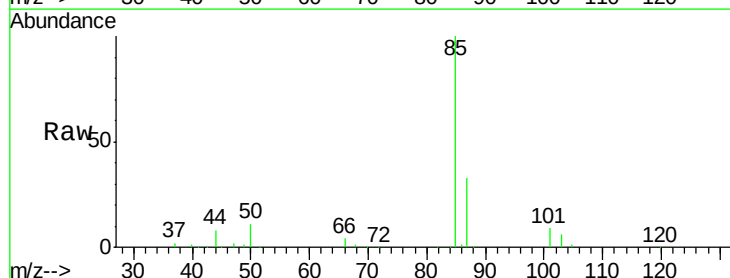
Acq: 3 Jan 2019 10:16

Tgt Ion: 85 Resp: 155379

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

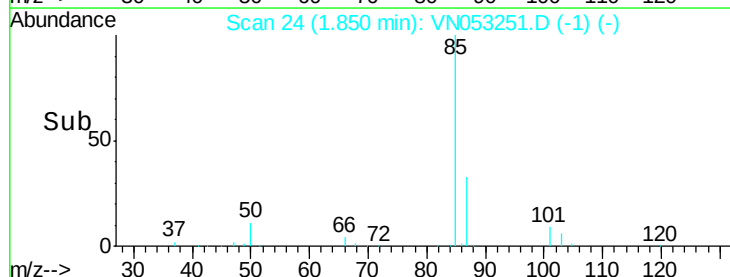
100000

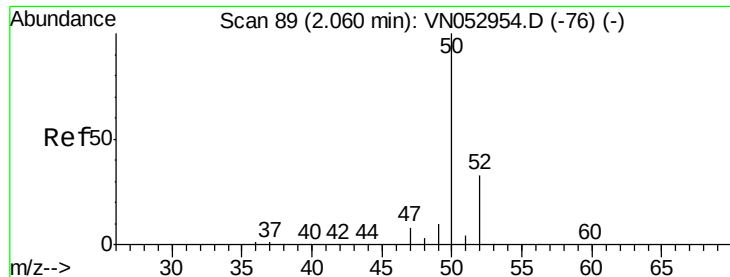
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.620 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0103WBS01

Tot Ion: 50 Resp: 195045

Ion Ratio Lower Upper

50 100

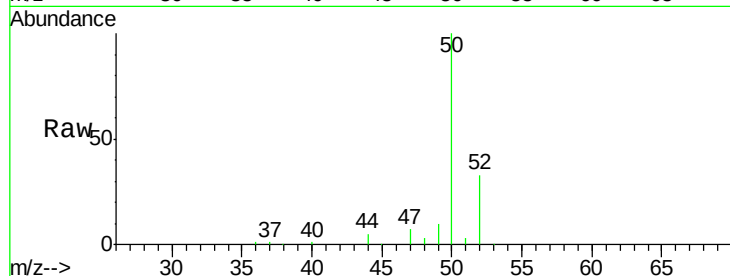
52 32.8 26.2 39.4

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

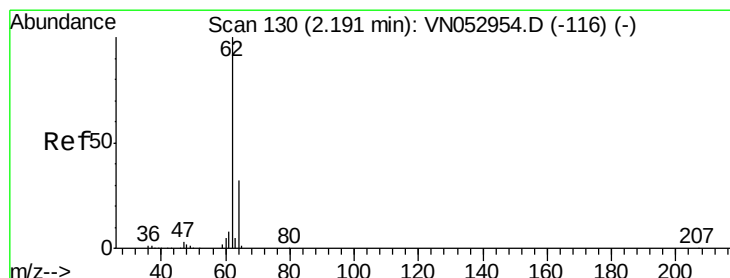
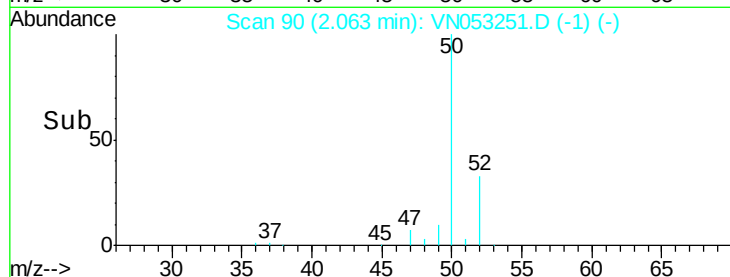
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 17.680 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053251.D

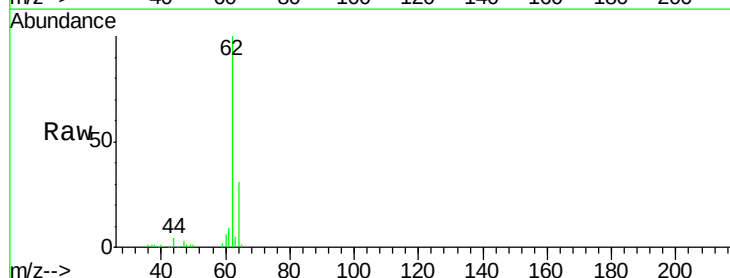
Acq: 3 Jan 2019 10:16

Tgt Ion: 62 Resp: 198200

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

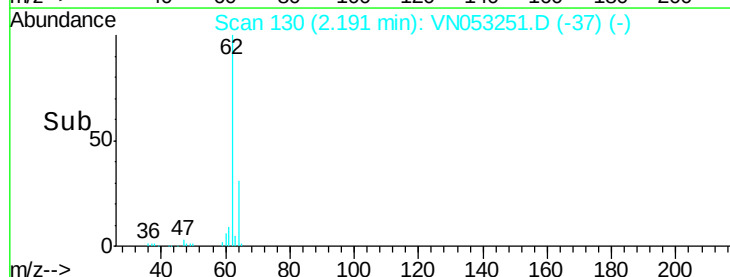
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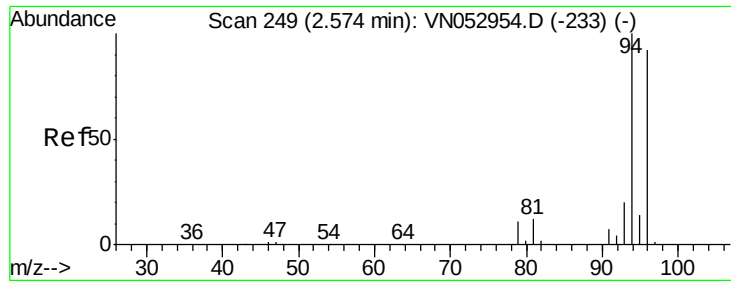
100000

50000

0

Time-->





#5

Bromomethane

Concen: 16.871 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0103WBS01

Tot Ion: 94 Resp: 131038

Ion Ratio Lower Upper

94 100

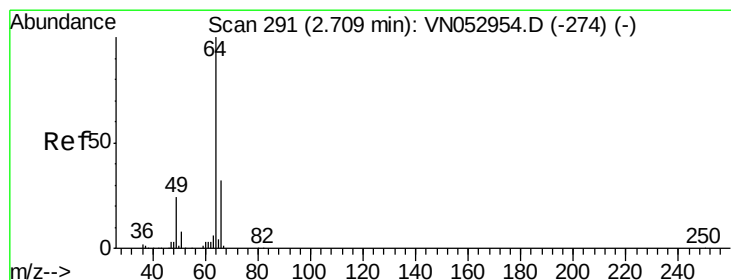
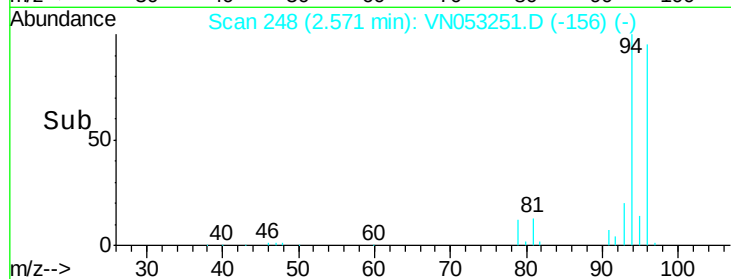
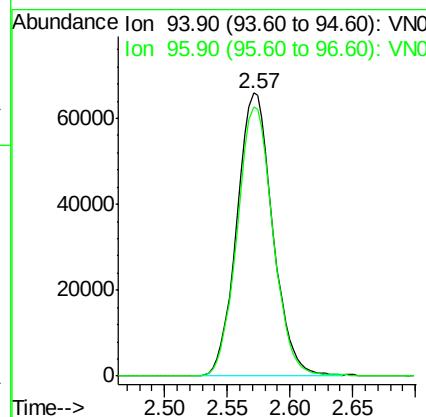
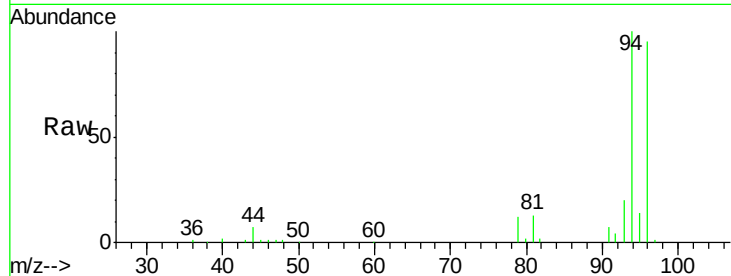
96 95.1 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 18.202 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053251.D

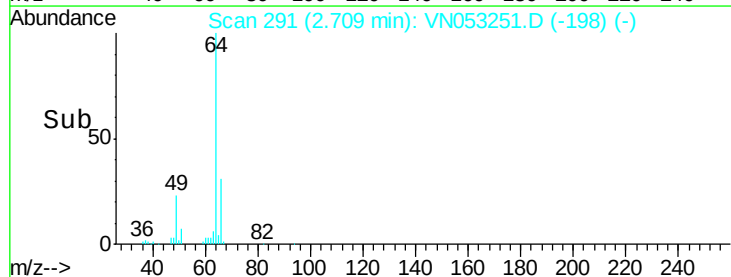
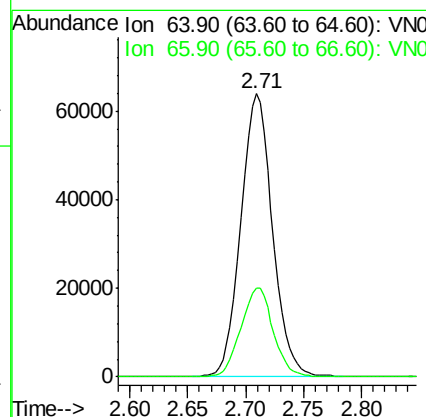
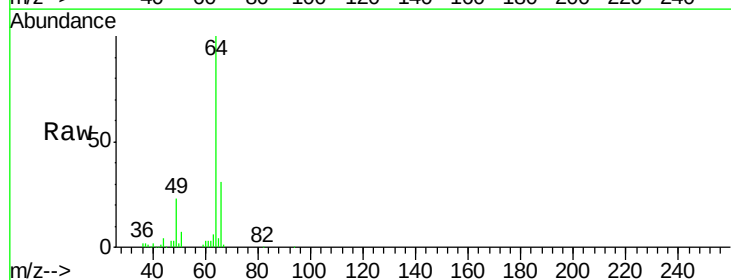
Acq: 3 Jan 2019 10:16

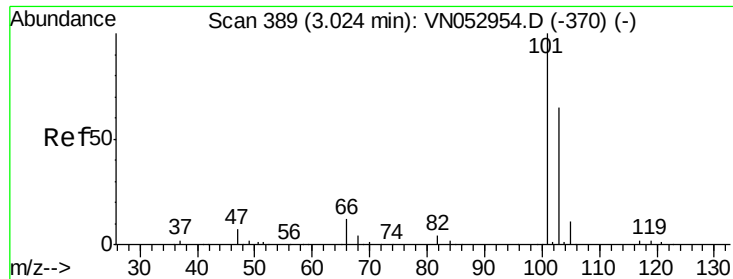
Tgt Ion: 64 Resp: 120855

Ion Ratio Lower Upper

64 100

66 31.3 26.2 39.2





#7

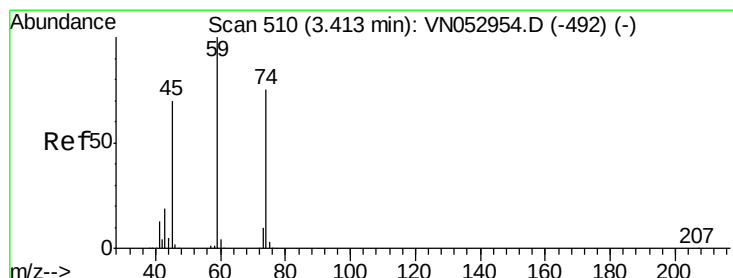
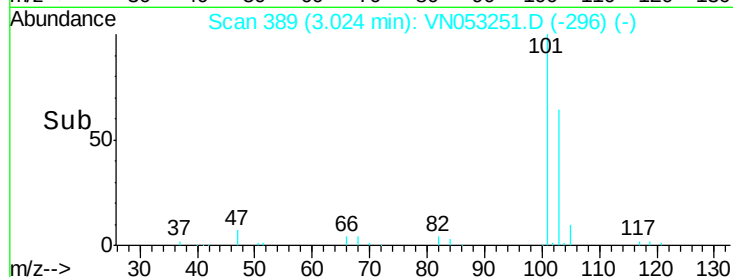
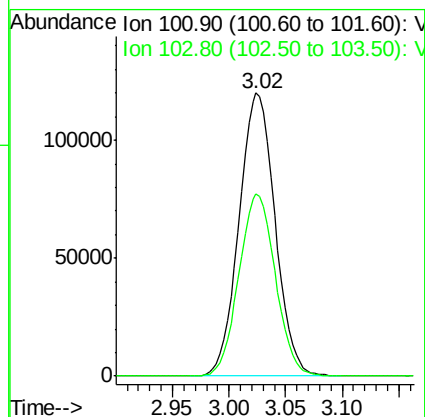
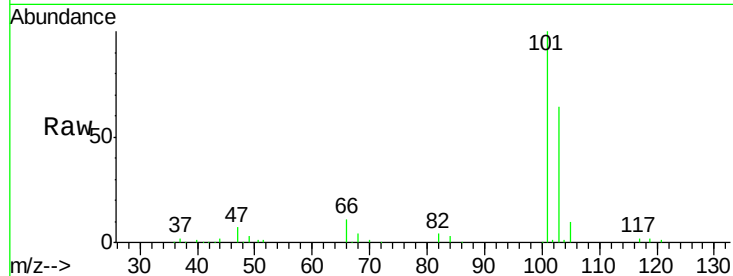
Trichlorofluoromethane
Concen: 19.075 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VN0103WBS01

Tot Ion:101 Resp: 266392
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.6

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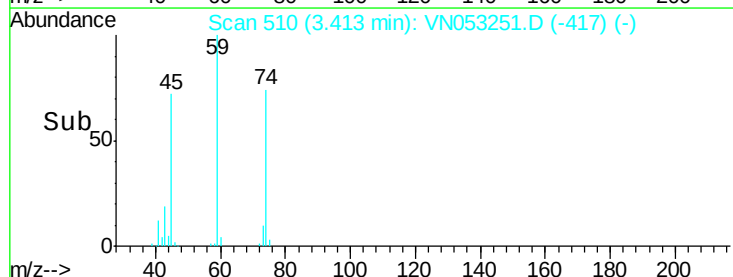
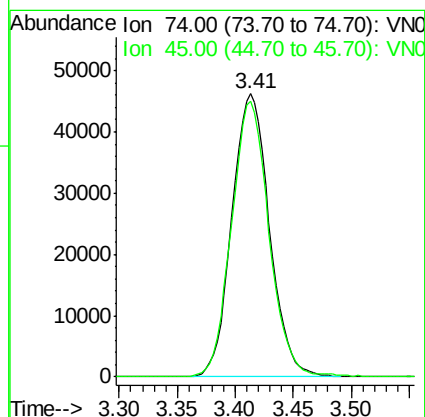
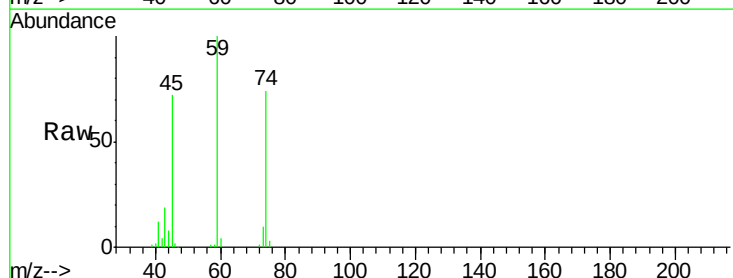
MMDadoda
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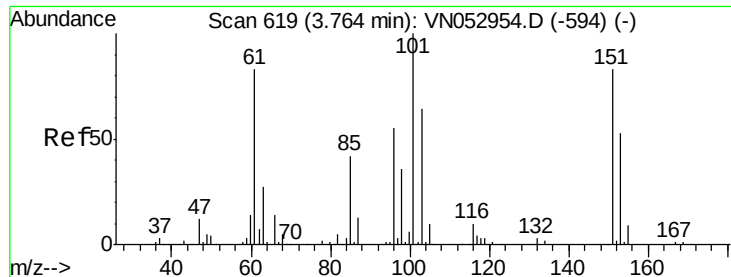


#8

Diethyl Ether
Concen: 19.649 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Tgt Ion: 74 Resp: 103521
Ion Ratio Lower Upper
74 100
45 96.6 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.192 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

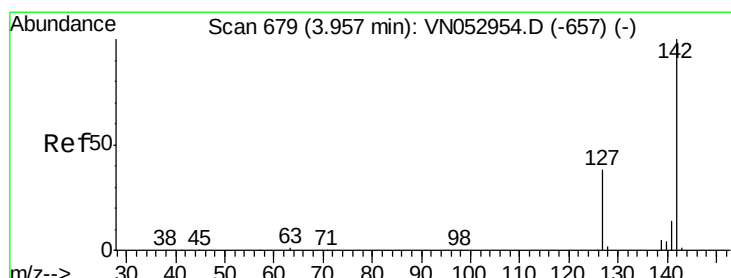
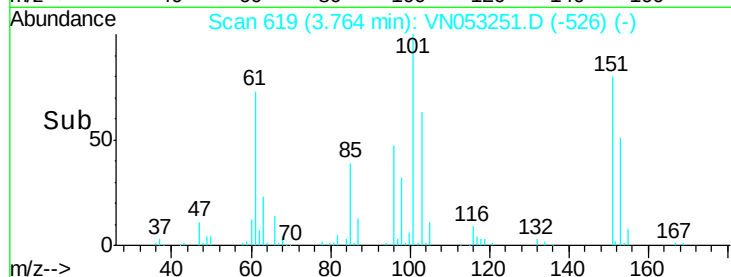
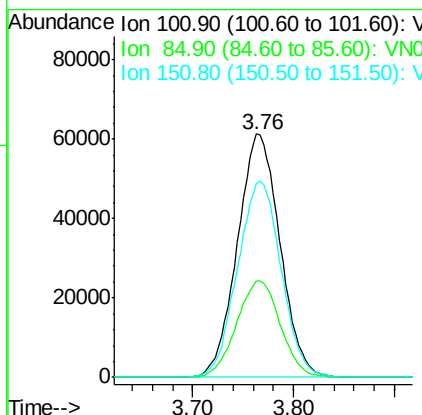
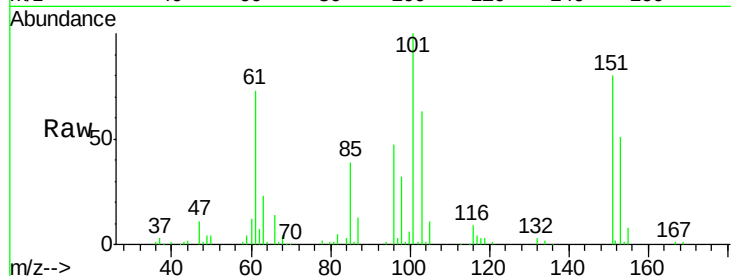
ClientSampled :

VN0103WBS01

Tot Ion:	101	Resp:	179800
Ion Ratio	Lower	Upper	
101	100		
85	40.6	33.6	50.4
151	82.6	65.5	98.3

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#10

Methyl Iodide

Concen: 18.639 ug/l

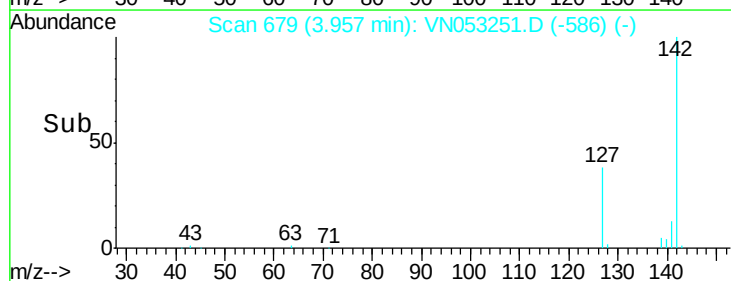
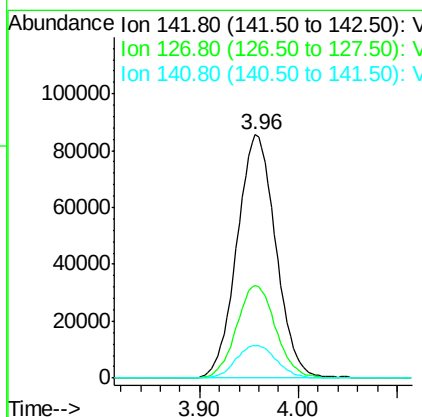
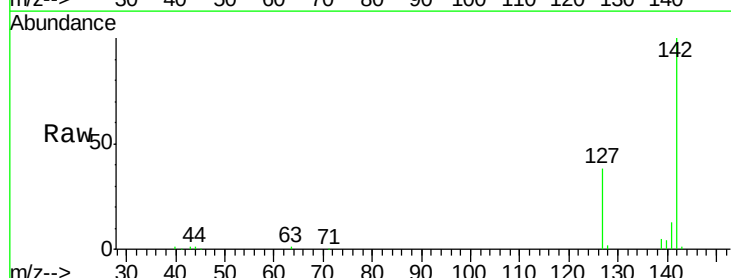
RT: 3.96 min Scan# 679

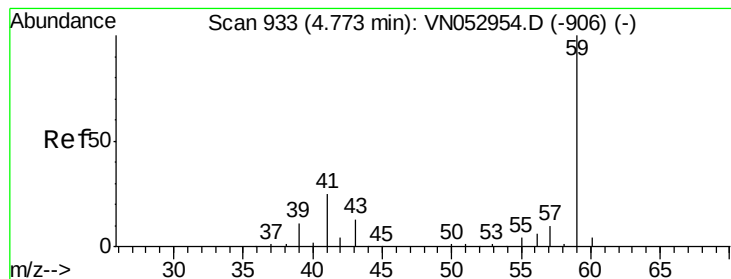
Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Tgt Ion:	142	Resp:	233074
Ion Ratio	Lower	Upper	
142	100		
127	38.6	31.0	46.6
141	14.0	11.2	16.8





#11

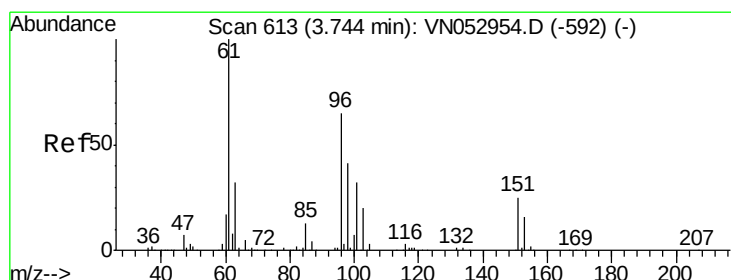
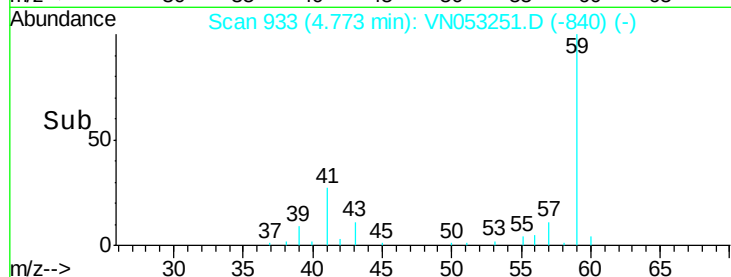
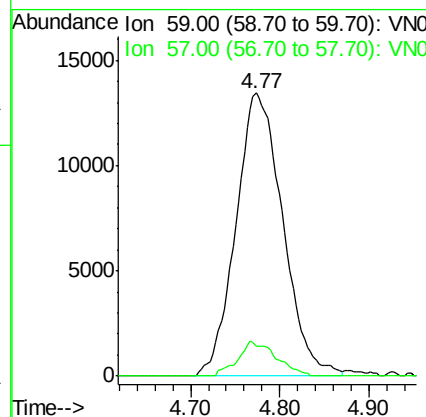
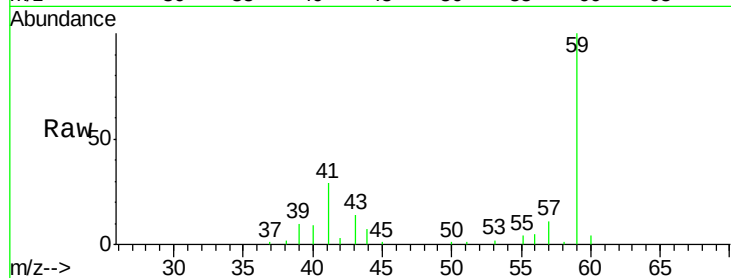
Tert butyl alcohol
Concen: 87.553 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VN0103WBS01

Tot Ion	59	57	Ratio	100	10.1	Resp	48931	Lower	Upper
Ion	59	57	Ratio	100	10.1	Resp	48931	Lower	Upper
								7.7	11.5

Manual Integrations
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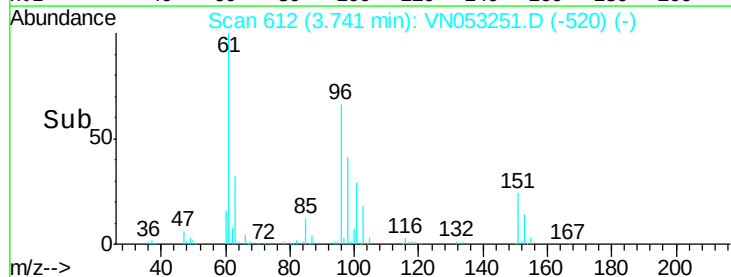
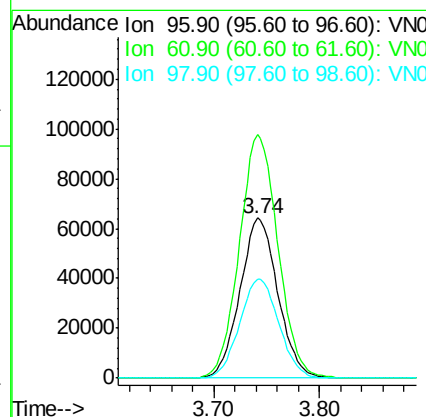
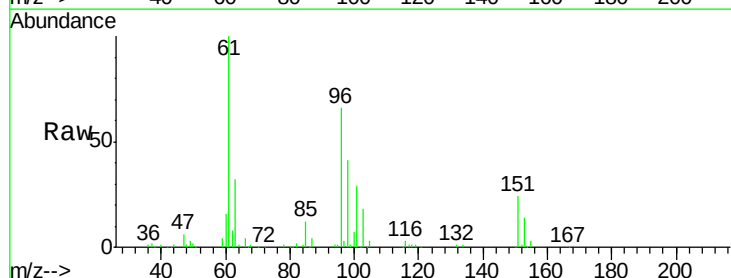
MMDadoda
1/4/2019 12:38:58 PM

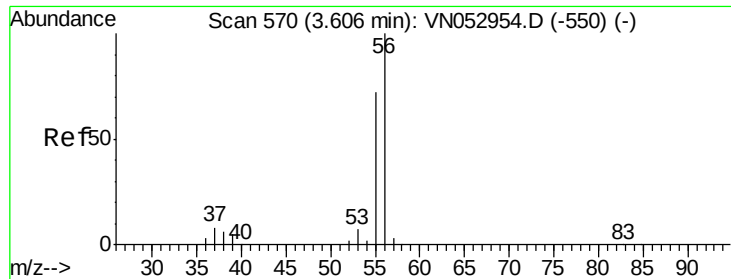


#12

1,1-Dichloroethene
Concen: 18.663 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Tgt Ion	96	61	98	Ratio	100	152.2	61.7	Resp	160553	Lower	Upper
Ion	96	61	98	Ratio	100	152.2	61.7	Resp	160553	Lower	Upper
										125.6	188.4
										50.6	75.8





#13

Acrolein

Concen: 75.909 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0103WBS01

Tot Ion: 56 Resp: 38467

Ion Ratio Lower Upper

56 100

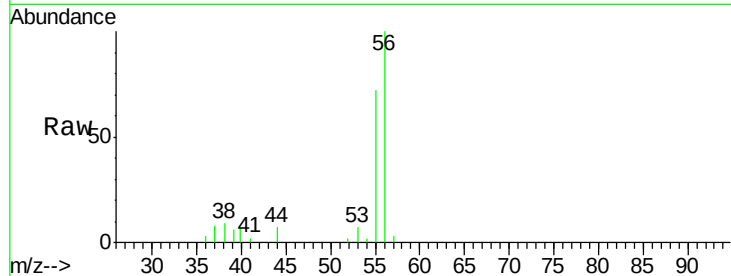
55 76.7 56.6 85.0

Manual Integrations

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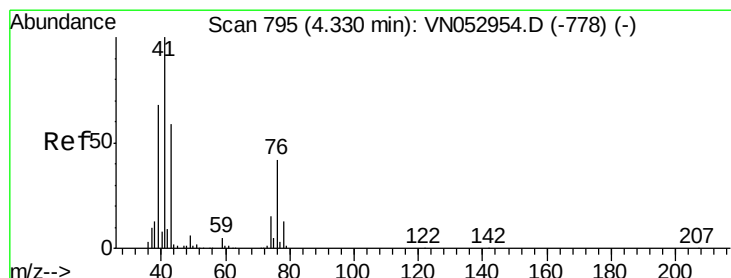
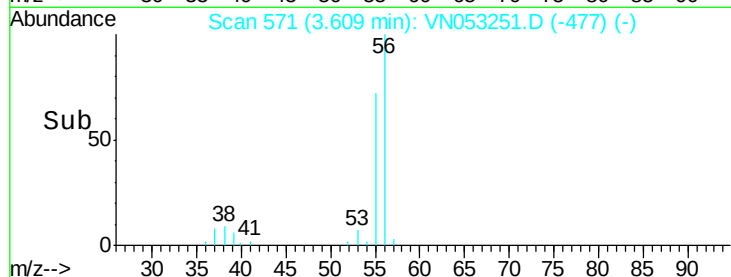
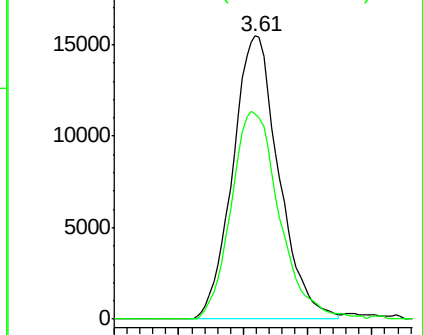
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.330 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

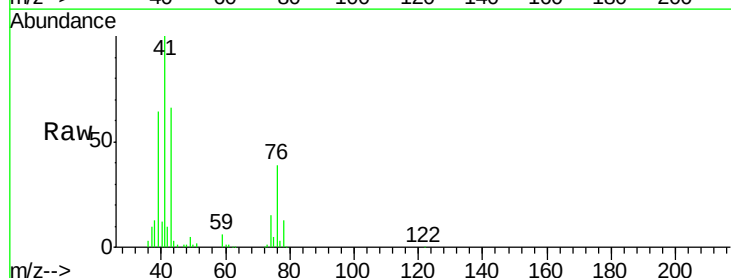
Tgt Ion: 41 Resp: 257575

Ion Ratio Lower Upper

41 100

39 63.1 54.1 81.1

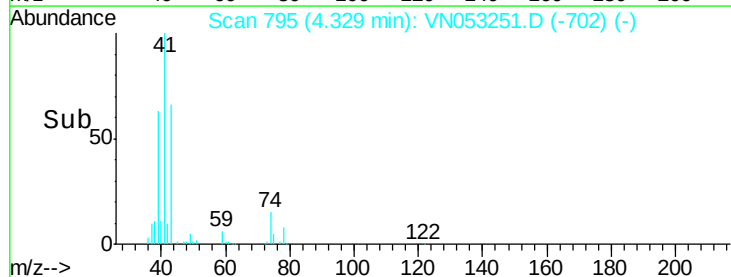
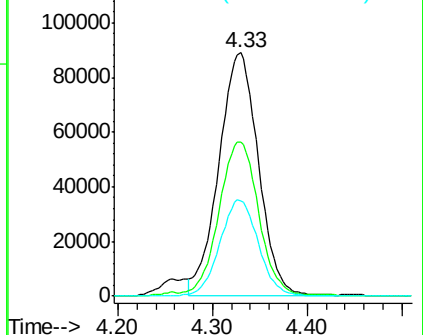
76 38.8 30.3 45.5

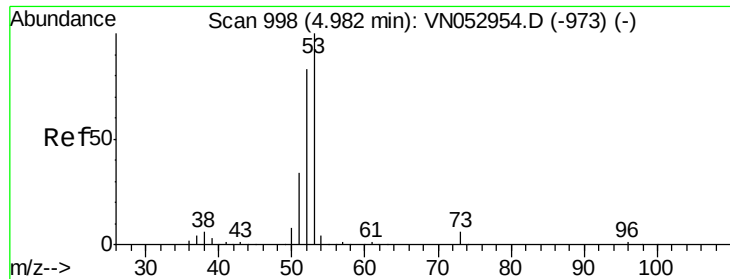


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 99.362 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

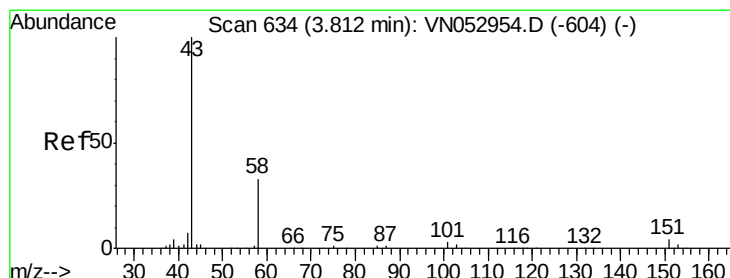
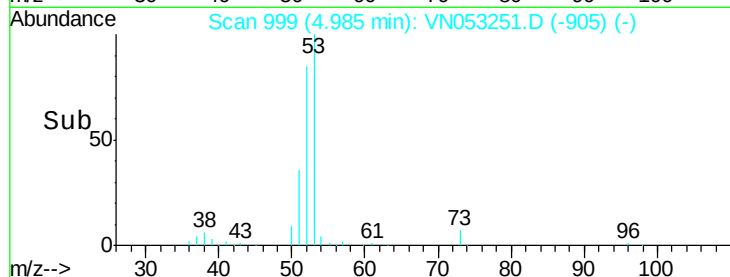
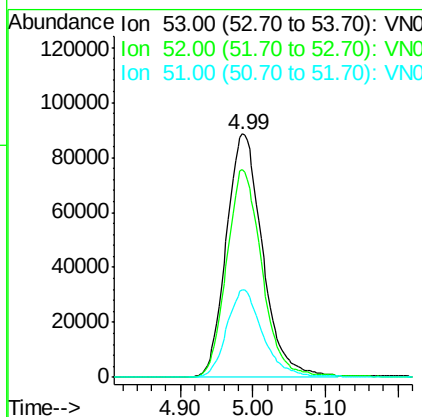
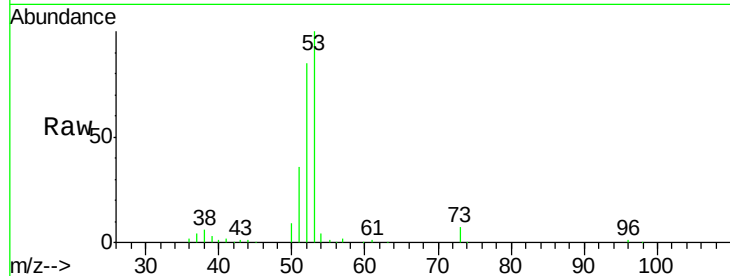
ClientSampled :

VN0103WBS01

Tot Ion:	53	Resp:	308499
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.1	97.7
51	35.4	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 122.929 ug/l

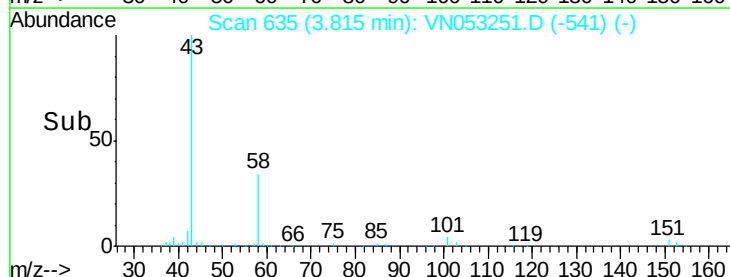
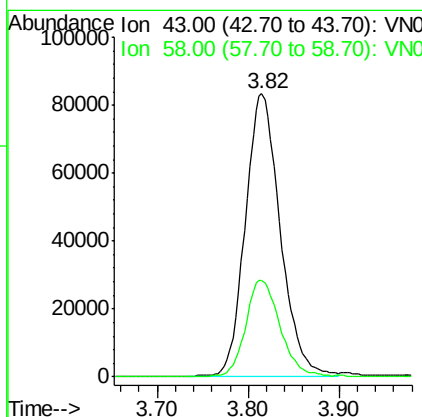
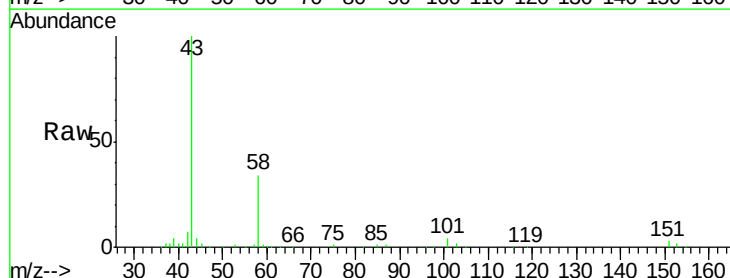
RT: 3.82 min Scan# 635

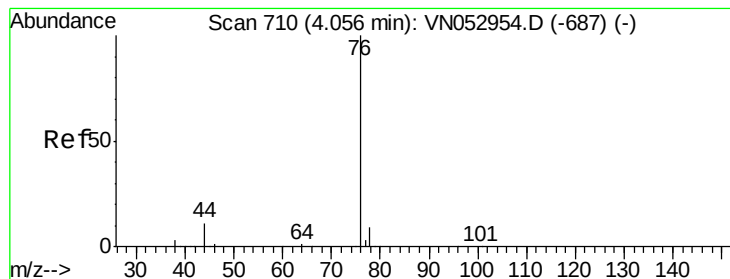
Delta R.T. 0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Tgt Ion:	43	Resp:	220764
Ion	Ratio	Lower	Upper
43	100		
58	33.9	25.4	38.0





#17

Carbon Disulfide

Concen: 14.796 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0103WBS01

Tot Ion: 76 Resp: 415105

Ion Ratio Lower Upper

76 100

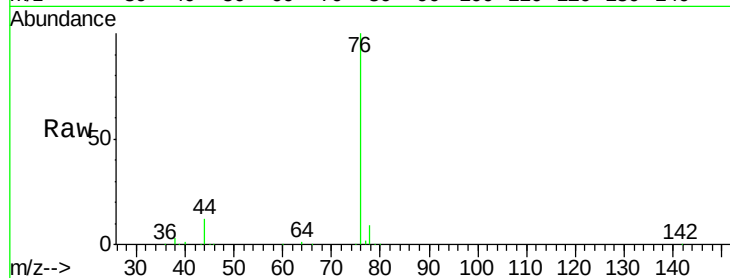
78 9.2 7.1 10.7

Manual Integrations

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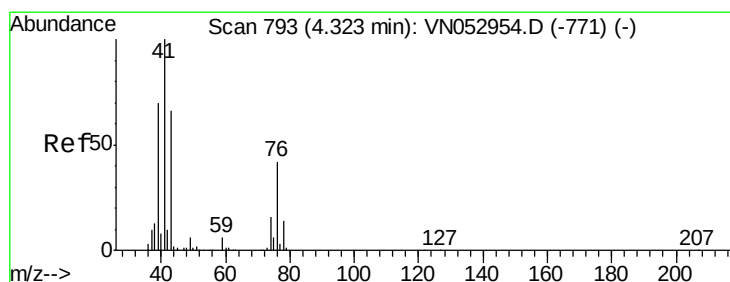
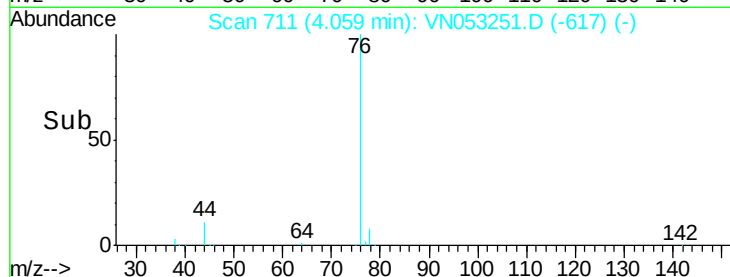
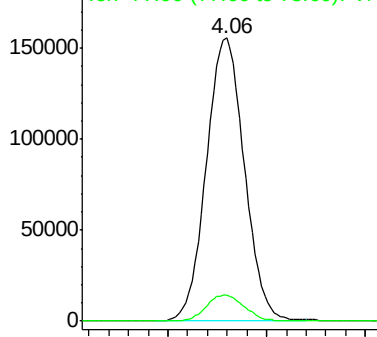
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.056 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053251.D

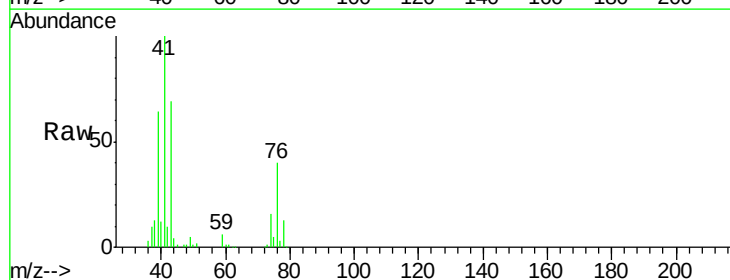
Acq: 3 Jan 2019 10:16

Tgt Ion: 43 Resp: 175170

Ion Ratio Lower Upper

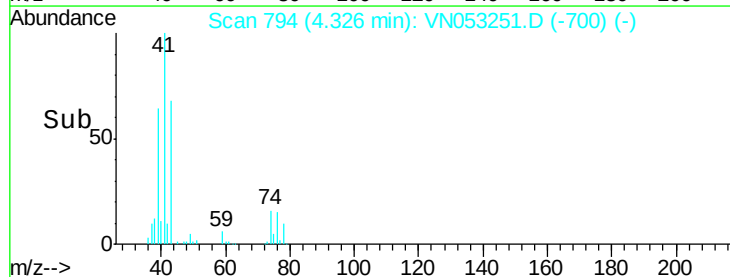
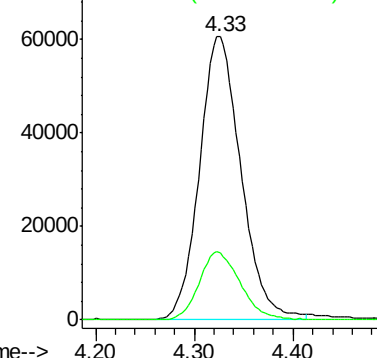
43 100

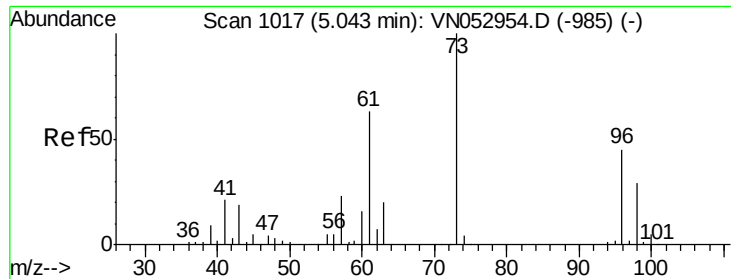
74 24.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





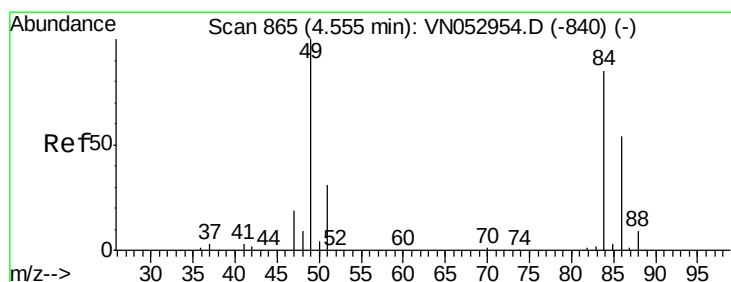
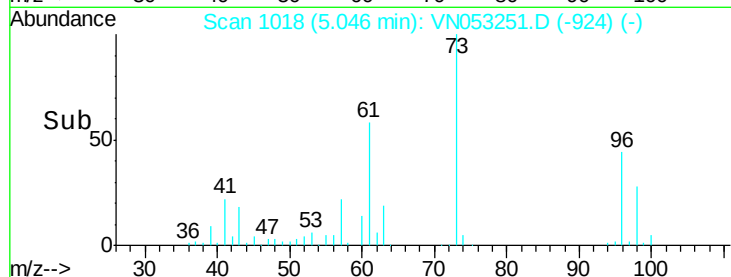
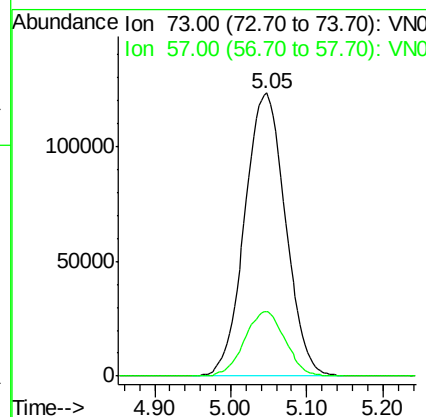
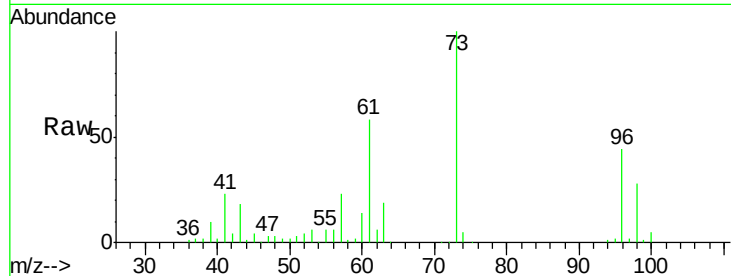
#19
Methyl tert-butyl Ether
Concen: 19.970 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0103WBS01

Tot Ion: 73 Resp: 459735
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6

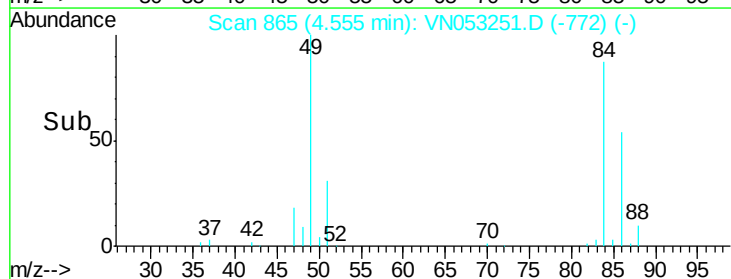
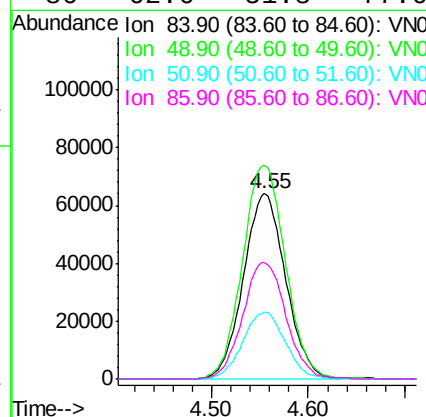
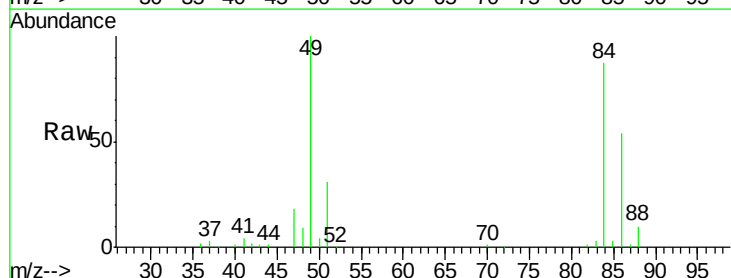
Manual Integrations
APPROVED

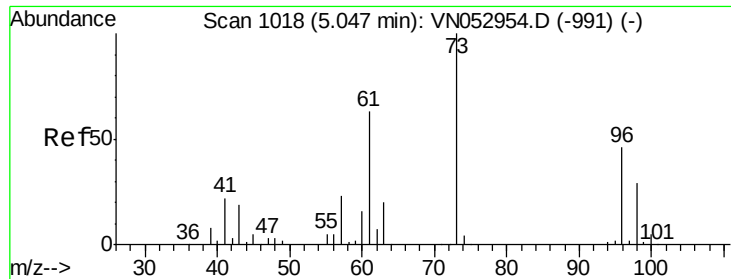
MMDadoda
1/4/2019 12:38:58 PM



#20
Methylene Chloride
Concen: 19.831 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Tgt Ion: 84 Resp: 194265
Ion Ratio Lower Upper
84 100
49 115.1 96.8 145.2
51 35.9 29.9 44.9
86 62.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 18.699 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0103WBS01

Tot Ion: 96 Resp: 172830

Ion Ratio Lower Upper

96 100

61 133.0 110.8 166.2

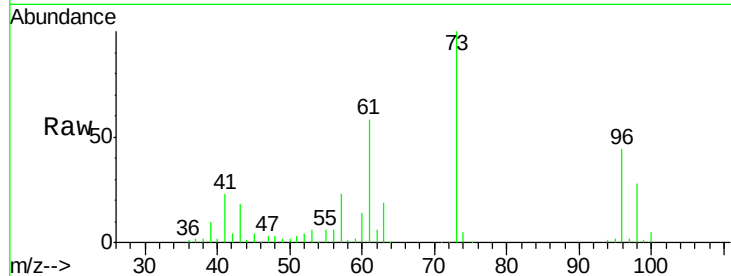
98 64.2 51.4 77.2

Manual Integrations

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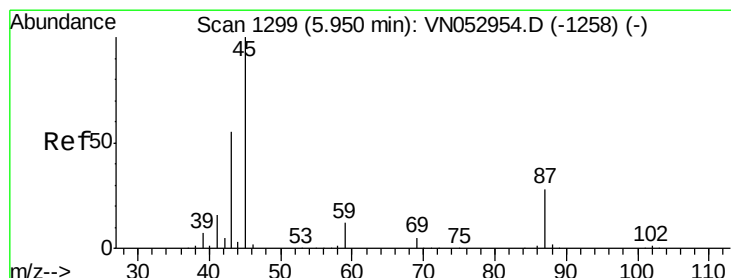
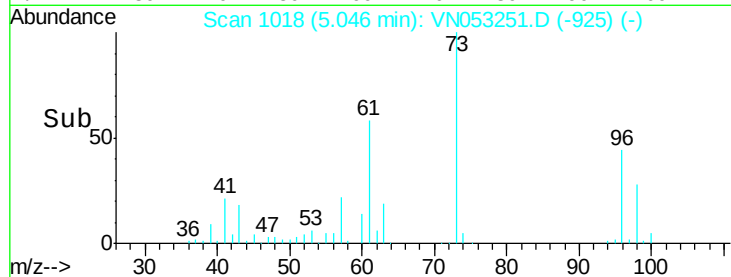
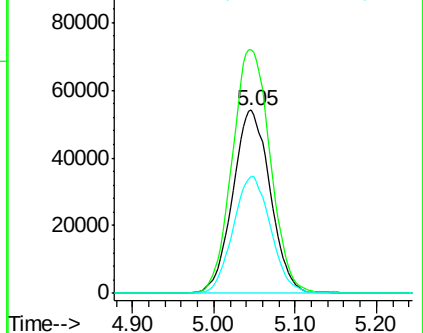
1/4/2019 12:38:58 PM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.182 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Tgt Ion: 45 Resp: 602472

Ion Ratio Lower Upper

45 100

43 56.7 45.5 68.3

87 28.6 22.0 33.0

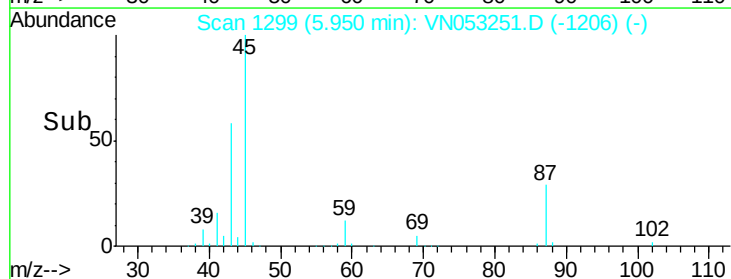
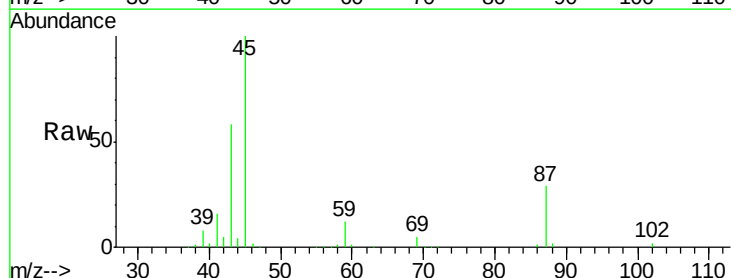
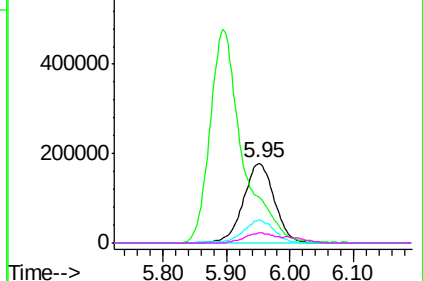
59 12.0 9.4 14.0

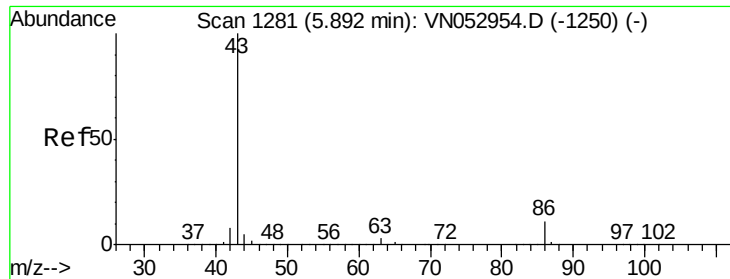
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 103.035 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0103WBS01

Tot Ion: 43 Resp: 1685206

Ion Ratio Lower Upper

43 100

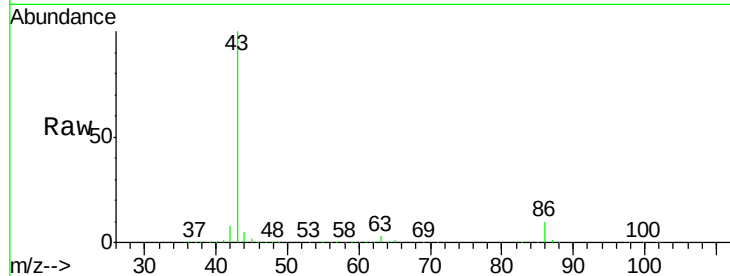
86 10.4 8.1 12.1

Manual Integrations

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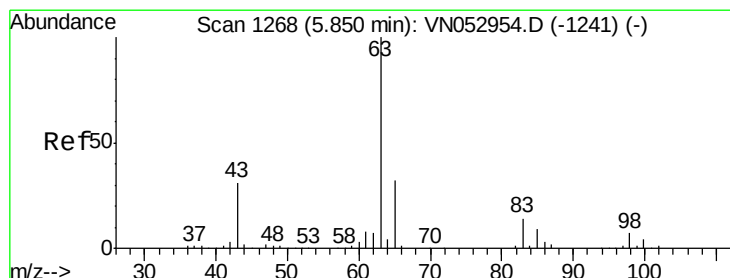
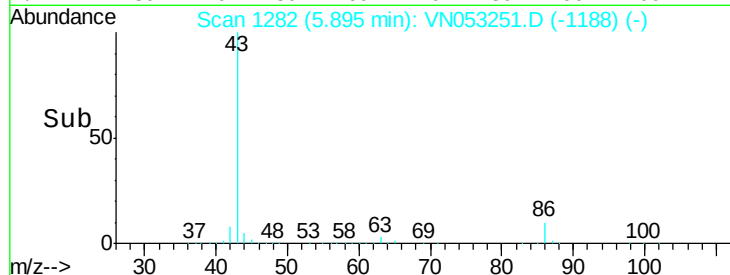
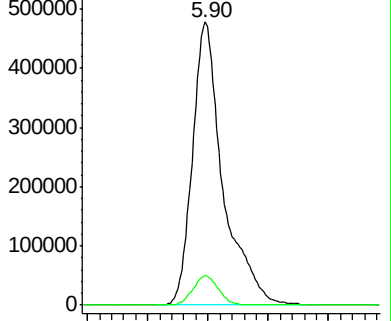
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.073 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

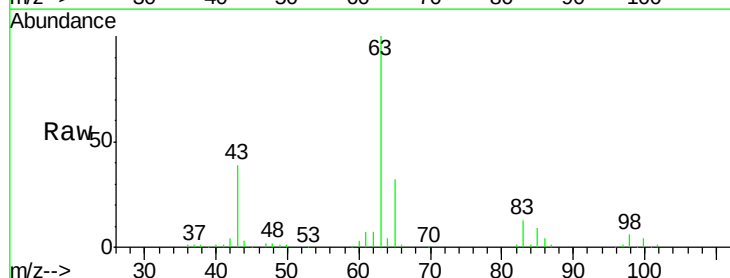
Tgt Ion: 63 Resp: 339262

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

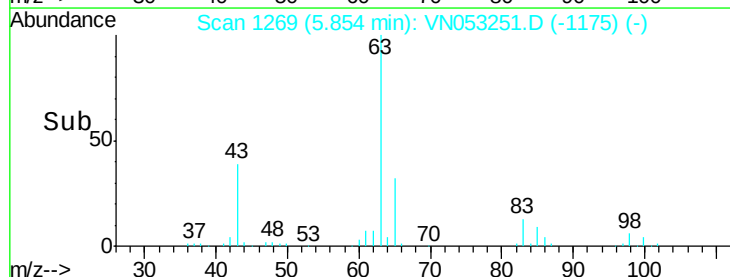
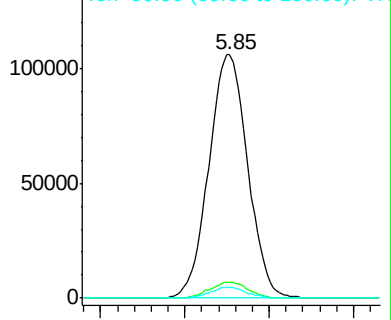
100 4.2 2.0 5.8

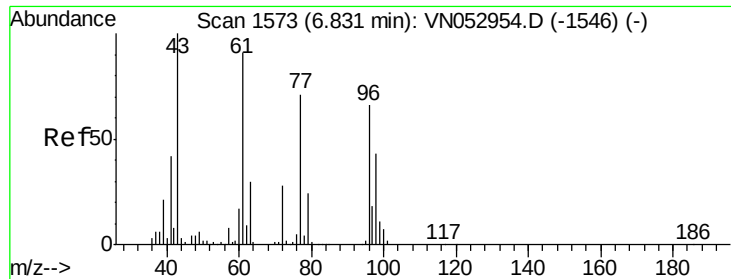


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 111.784 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0103WBS01

Tot Ion: 43 Resp: 336906

Ion Ratio Lower Upper

43 100

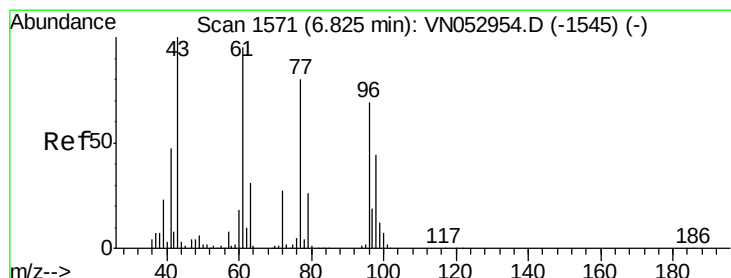
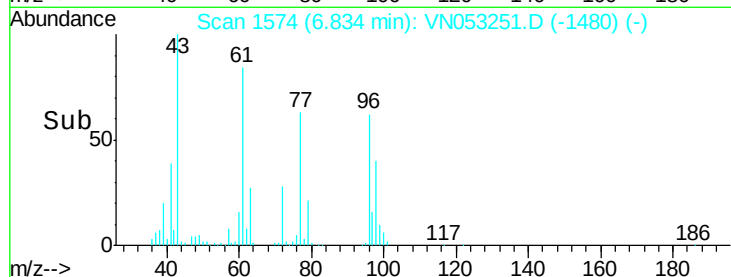
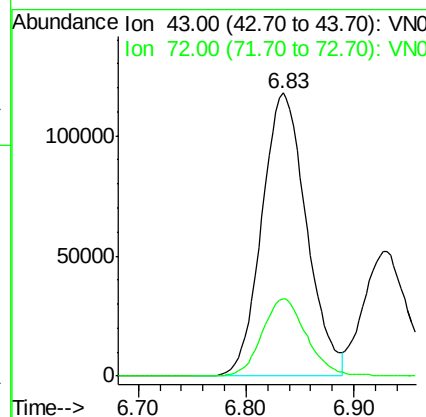
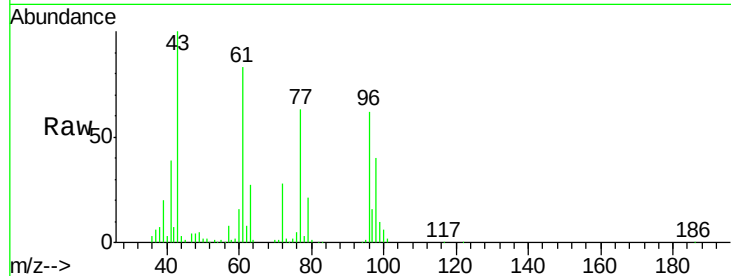
72 27.6 21.0 31.6

Manual Integrations

APPROVED

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#26

2,2-Dichloropropane

Concen: 19.811 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053251.D

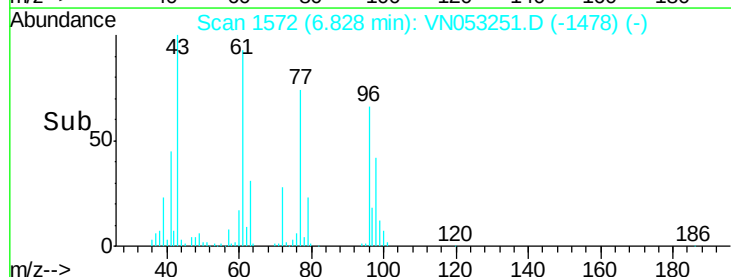
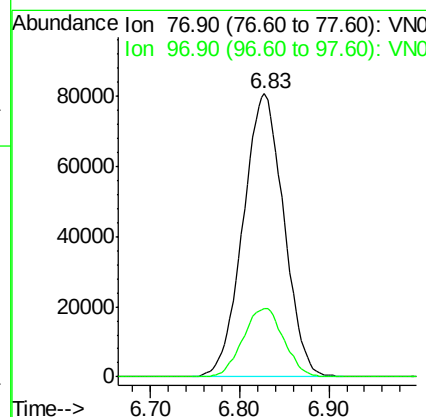
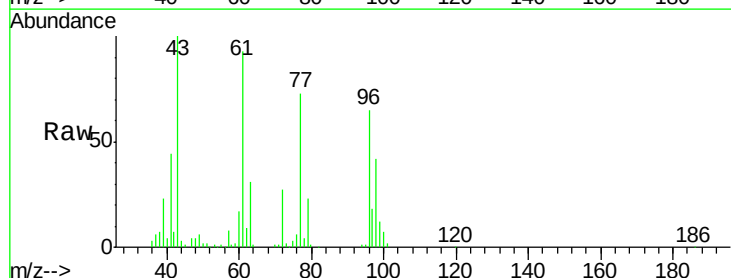
Acq: 3 Jan 2019 10:16

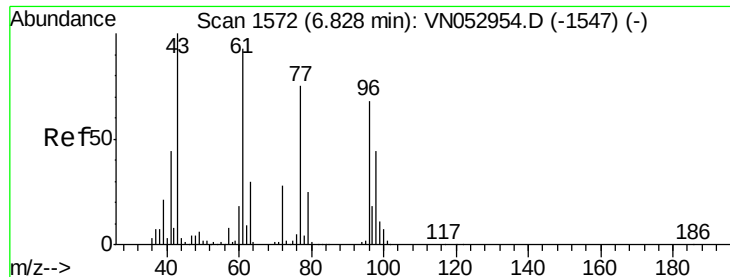
Tgt Ion: 77 Resp: 255605

Ion Ratio Lower Upper

77 100

97 24.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.927 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

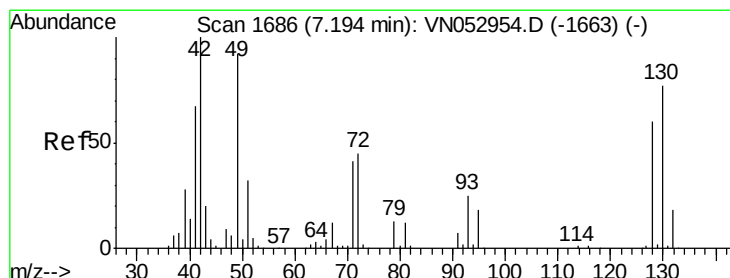
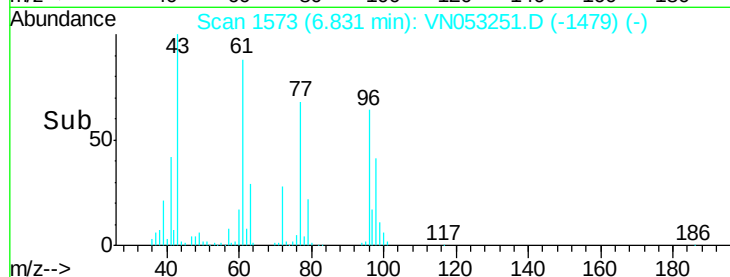
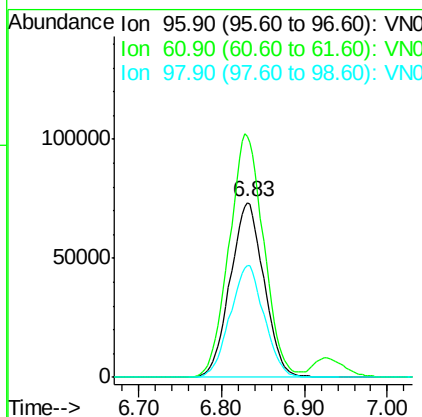
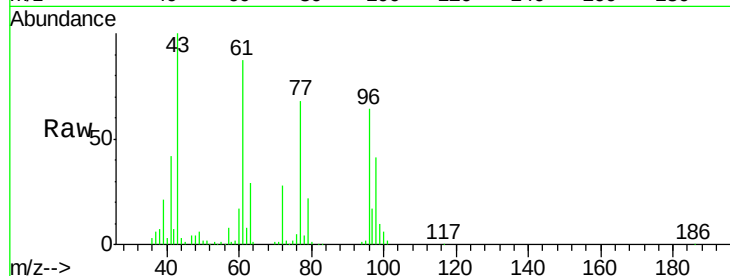
ClientSampled :

VN0103WBS01

Tot Ion:	96	Resp:	208517
Ion Ratio	Lower	Upper	
96	100		
61	142.6	0.0	284.2
98	64.5	0.0	129.2

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#28

Bromochloromethane

Concen: 19.822 ug/l

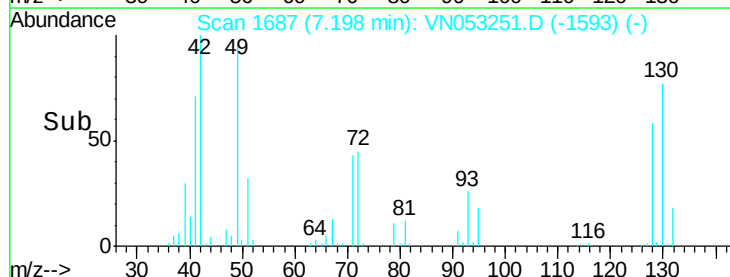
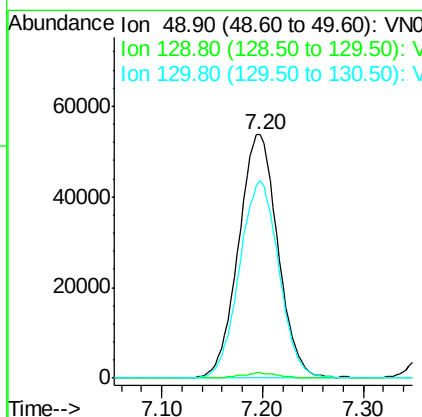
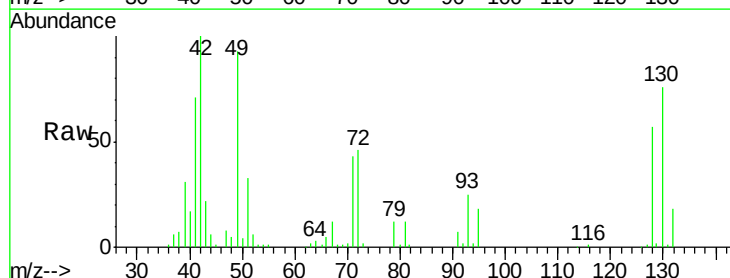
RT: 7.20 min Scan# 1687

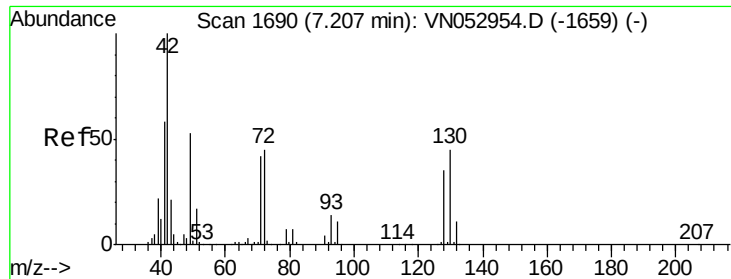
Delta R.T. 0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Tgt Ion:	49	Resp:	145175
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.0
130	81.3	63.3	94.9





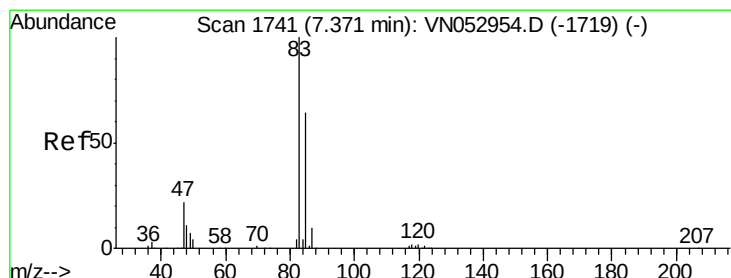
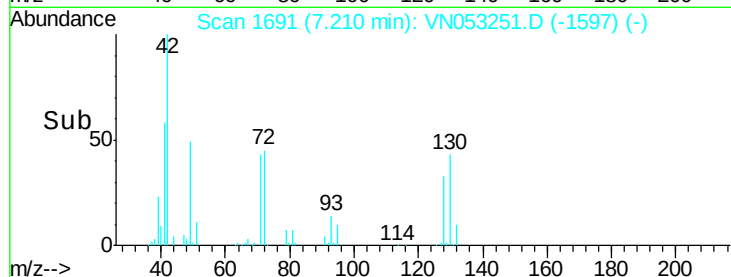
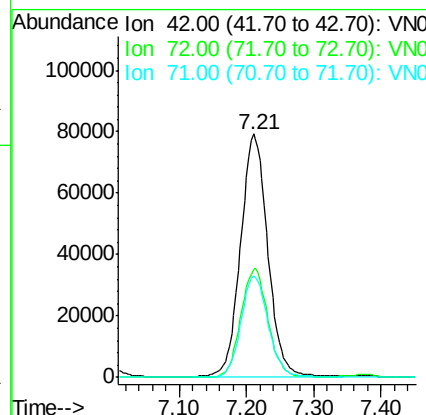
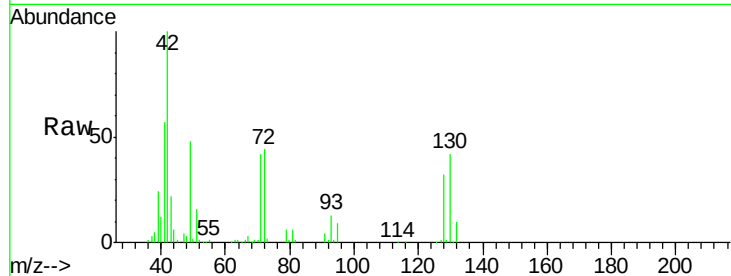
#29
Tetrahydrofuran
Concen: 99.547 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VN0103WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	34.7	52.1
71	41.5	32.3	48.5

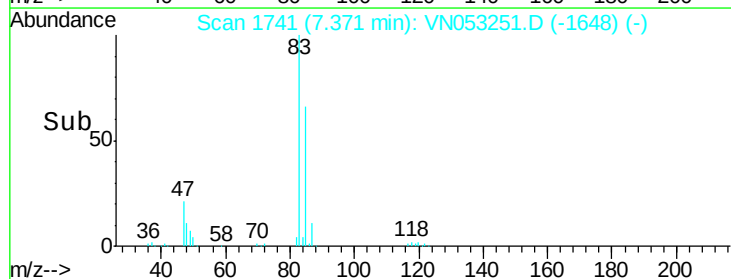
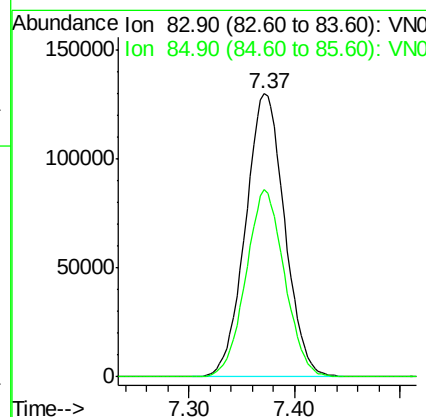
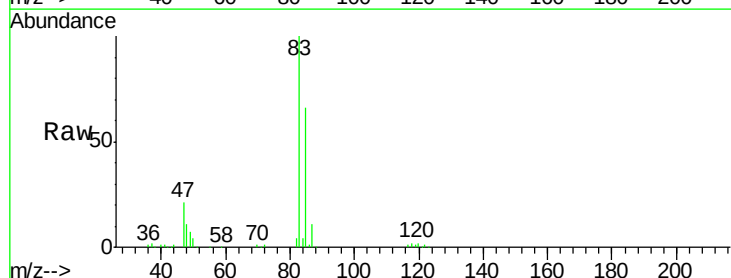
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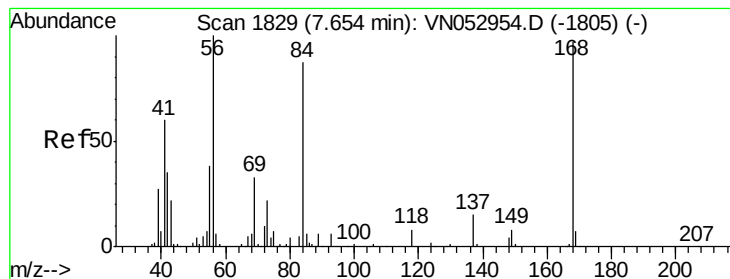
MMDadoda
1/4/2019 12:38:58 PM



#30
Chloroform
Concen: 20.238 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.1	78.1





#31

Cyclohexane

Concen: 18.747 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

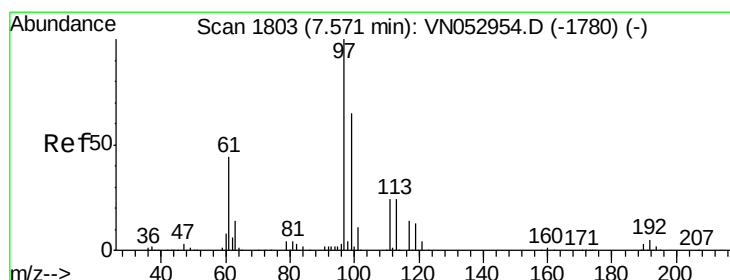
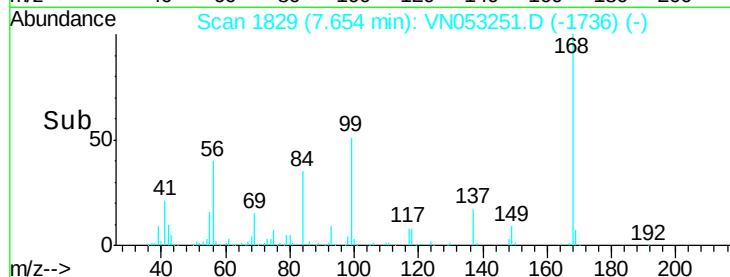
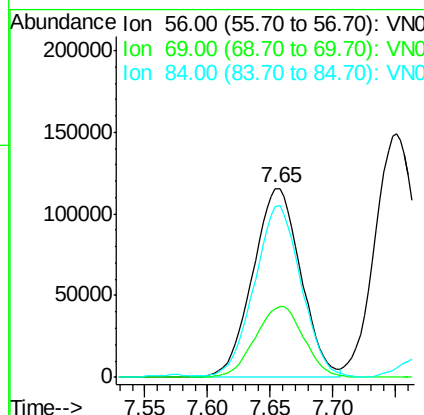
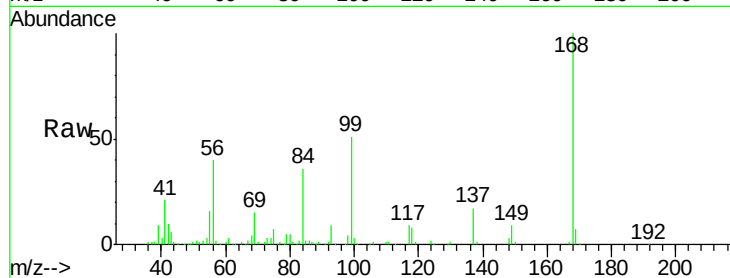
ClientSampled :

VN0103WBS01

Tot Ion:	56	Resp:	307580
Ion Ratio	Lower	Upper	
56	100		
69	36.4	26.6	39.8
84	89.6	68.4	102.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.687 ug/l

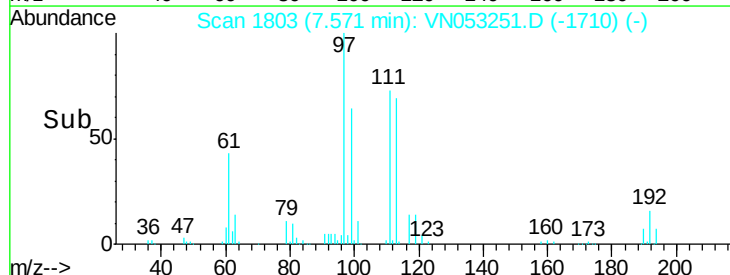
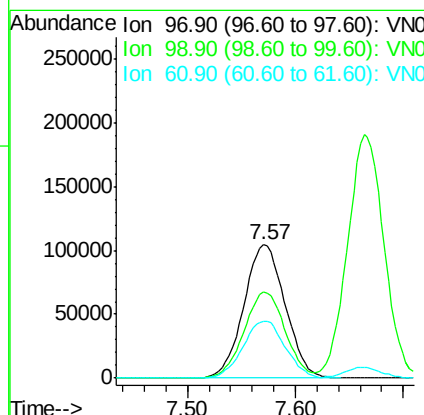
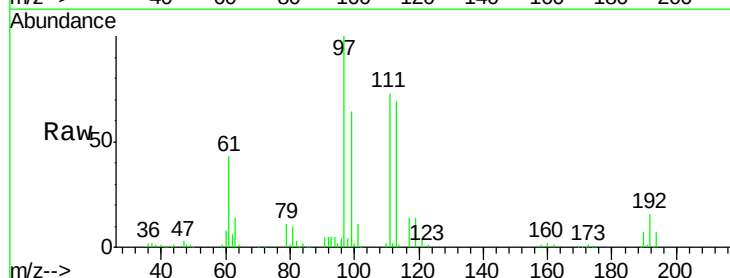
RT: 7.57 min Scan# 1803

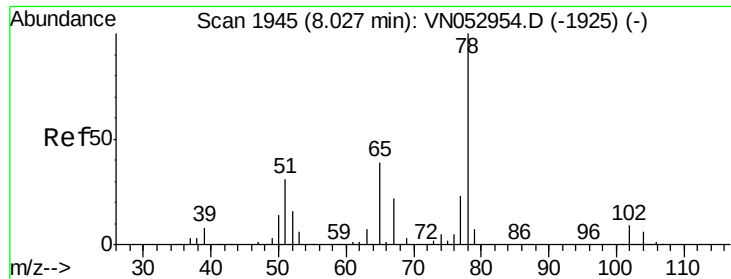
Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Tgt Ion:	97	Resp:	278452
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.1	76.7
61	43.6	35.0	52.6





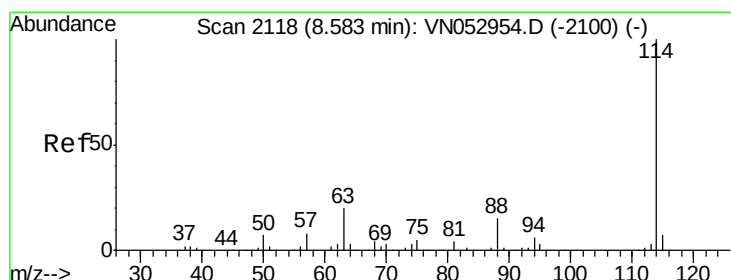
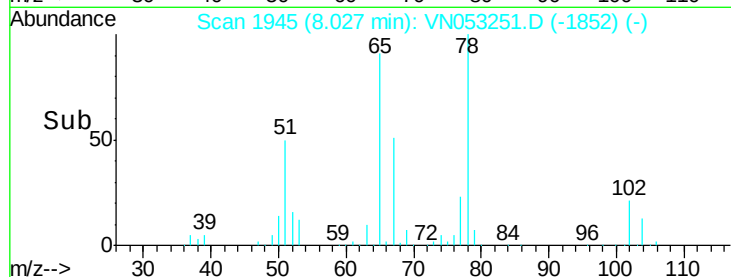
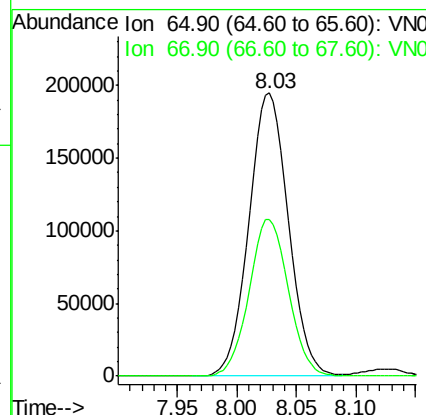
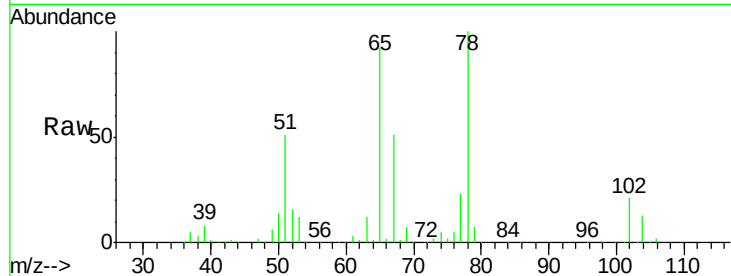
#33
 1,2-Dichloroethane-d4
 Concen: 19.687 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053251.D
 Acq: 3 Jan 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0103WBS01

Tot Ion: 65 Resp: 447849
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4

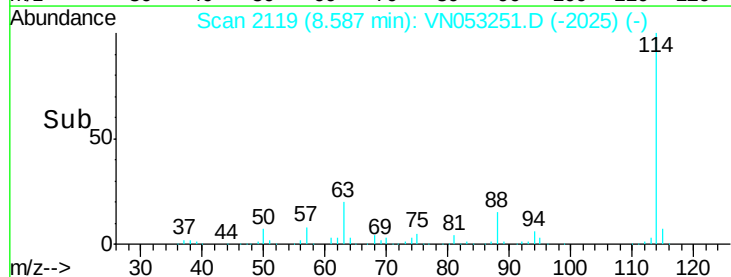
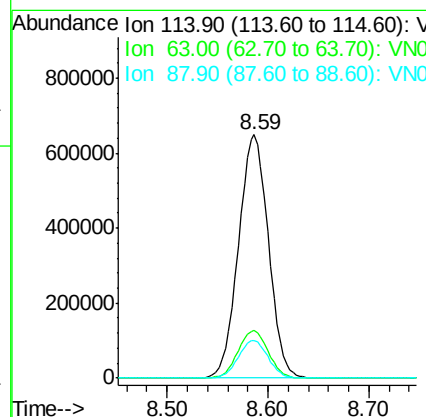
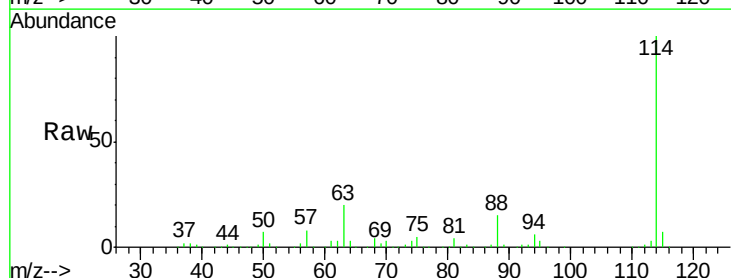
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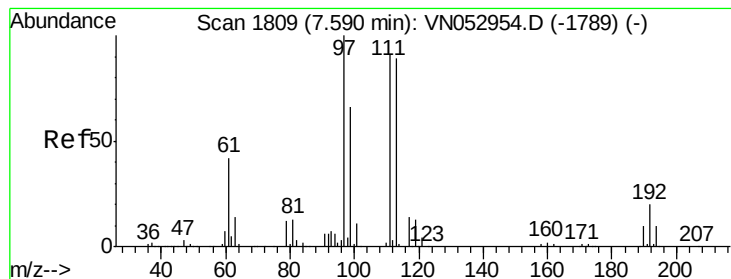
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053251.D
 Acq: 3 Jan 2019 10:16

Tgt Ion: 114 Resp: 1336008
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.5 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

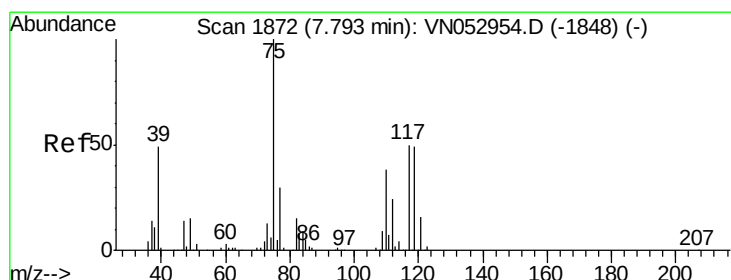
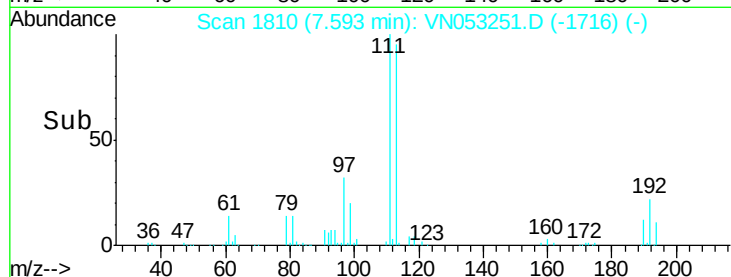
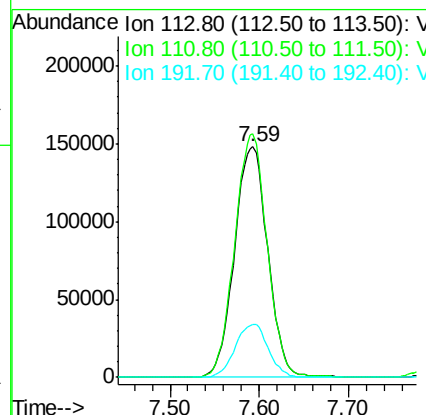
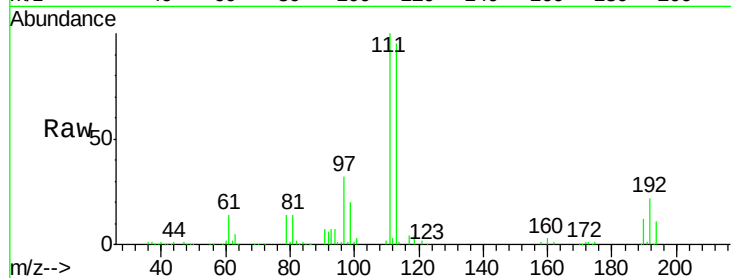
ClientSampleId :

VN0103WBS01

Tot Ion:	113	Resp:	383645
Ion Ratio	Lower	Upper	
113	100		
111	103.0	83.0	124.4
192	22.9	17.5	26.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.433 ug/l

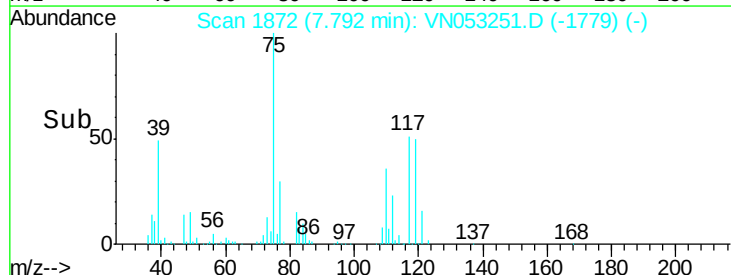
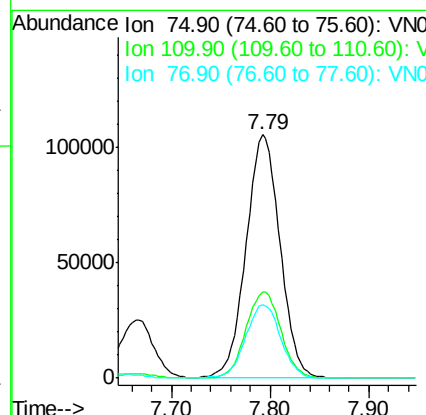
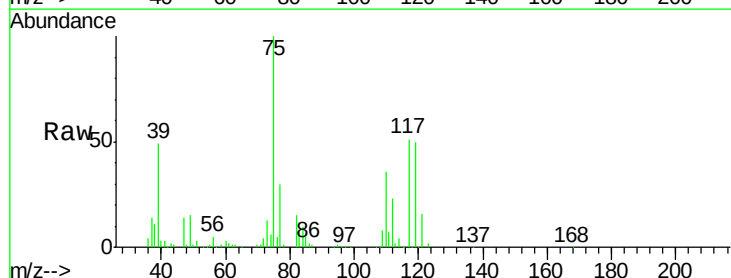
RT: 7.79 min Scan# 1872

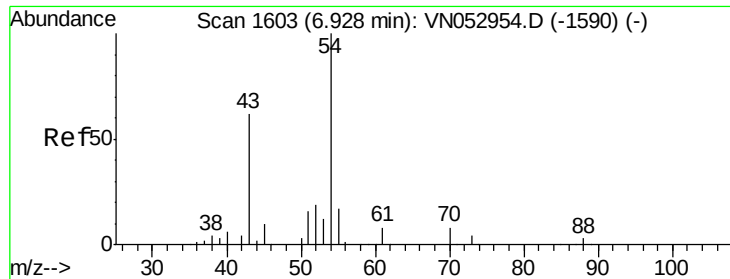
Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Tgt Ion:	75	Resp:	249190
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.2	54.6
77	31.5	24.9	37.3





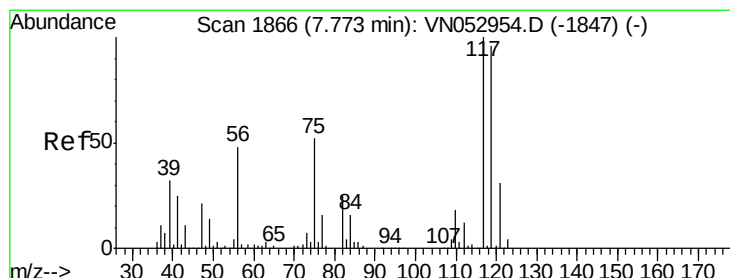
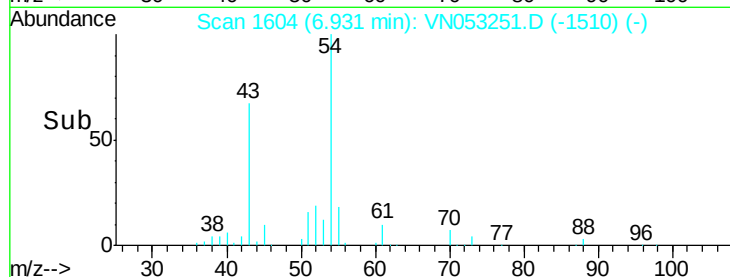
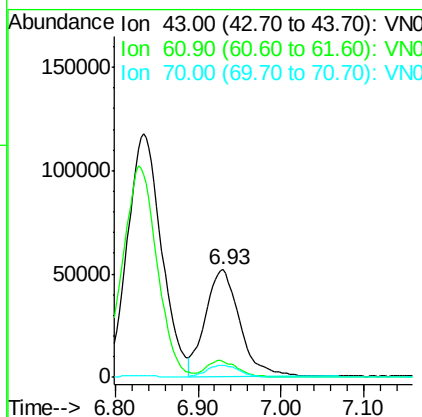
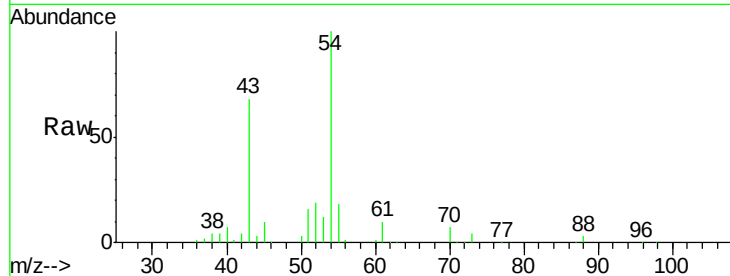
#37
Ethyl Acetate
Concen: 20.921 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0103WBS01

Tot Ion	43	61	70
Resp	149762		
Ratio	100	14.0	10.9
Lower		11.8	8.4
Upper		17.6	12.6

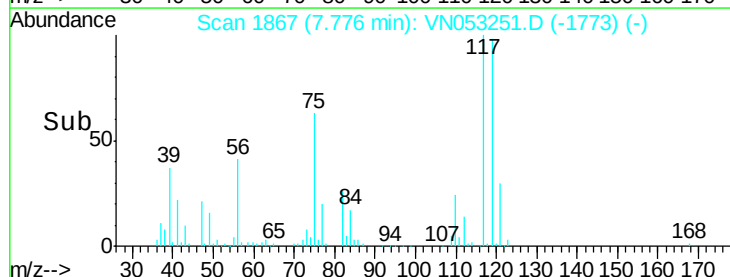
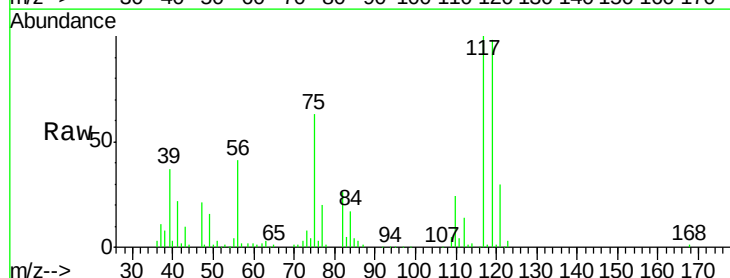
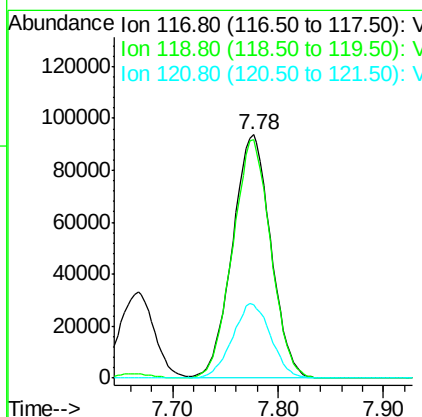
Manual Integrations
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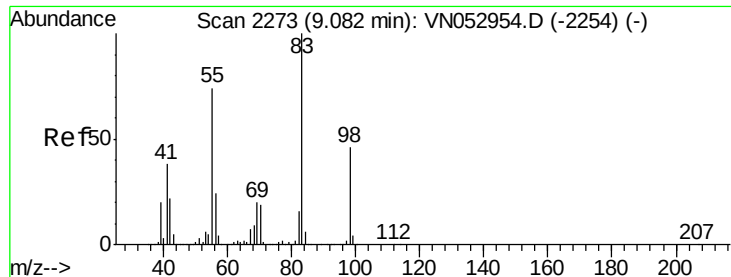
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#38
Carbon Tetrachloride
Concen: 20.192 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Tgt Ion	117	119	121
Resp	237337		
Ratio	100	97.7	30.0
Lower		77.1	24.9
Upper		115.7	37.3





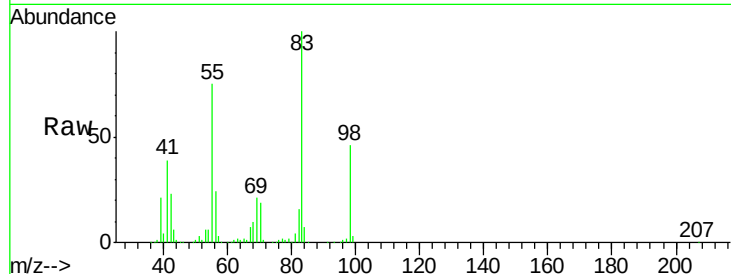
#39
Methylvlcyclohexane
Concen: 18.785 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VN0103WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	292633		
55	74.6		61.3	91.9
98	45.6		37.0	55.4

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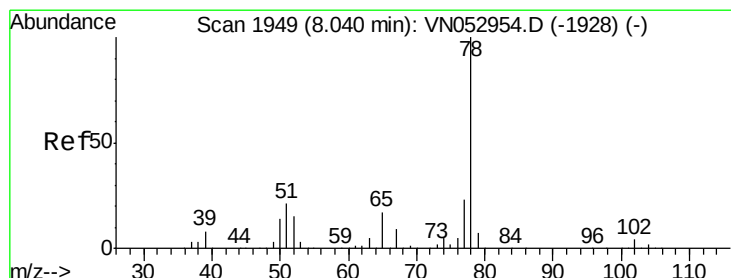
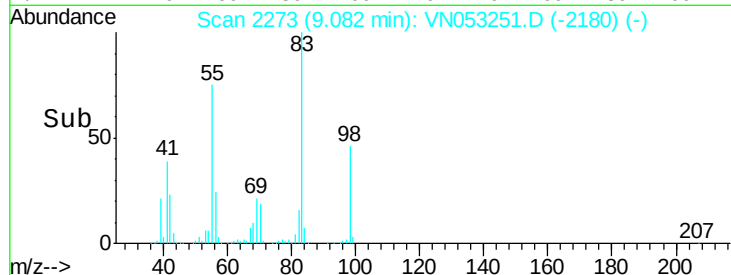
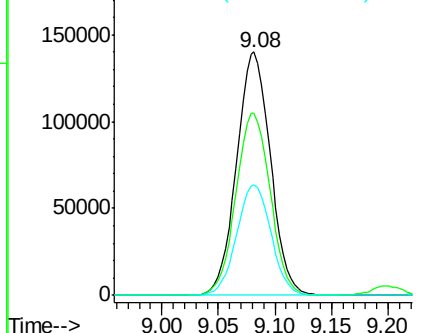
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Abundance Ion 83.00 (82.70 to 83.70): VN053251.D (-2180) (-)

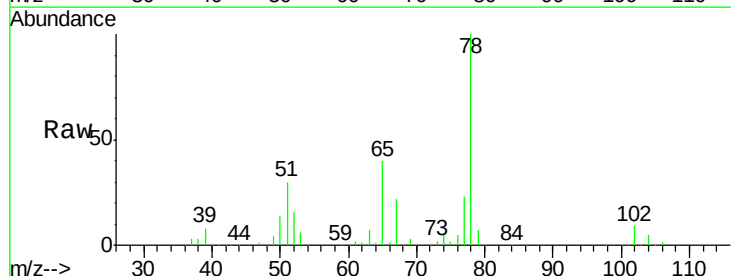
Ion 55.00 (54.70 to 55.70): VN053251.D (-2180) (-)

Ion 98.00 (97.70 to 98.70): VN053251.D (-2180) (-)



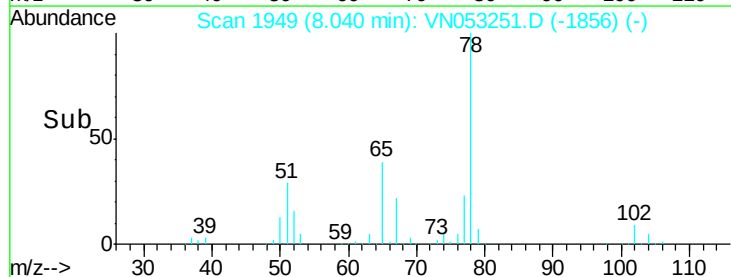
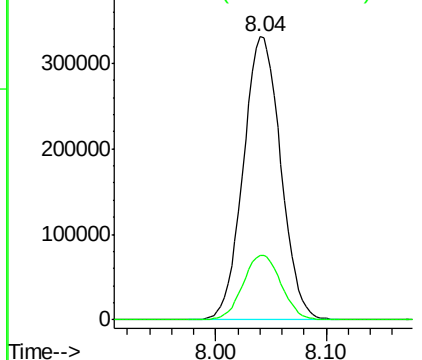
#40
Benzene
Concen: 20.440 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

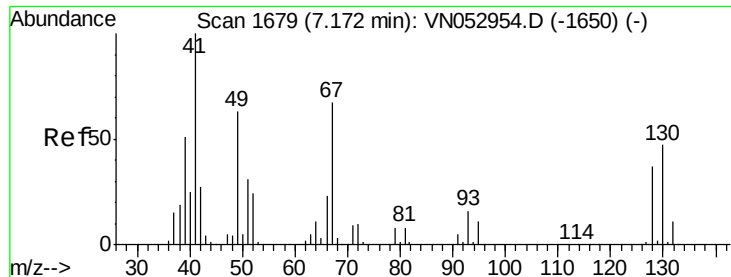
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	779641		
77	23.0		18.5	27.7



Abundance Ion 78.00 (77.70 to 78.70): VN053251.D (-1856) (-)

Ion 77.00 (76.70 to 77.70): VN053251.D (-1856) (-)





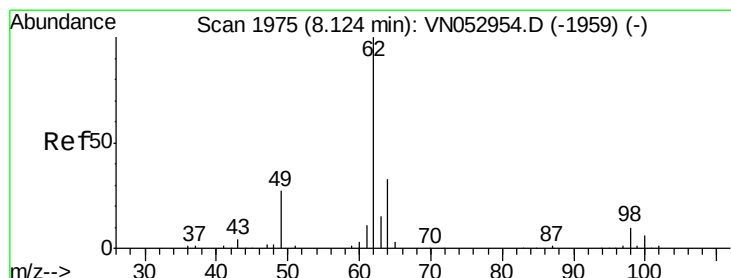
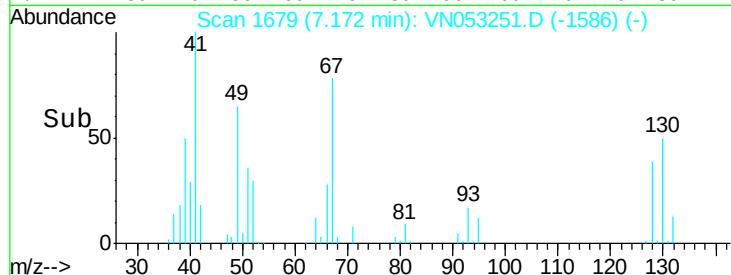
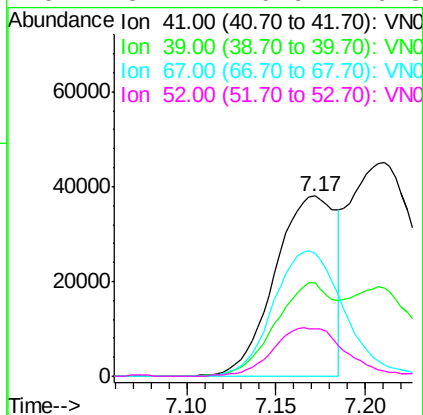
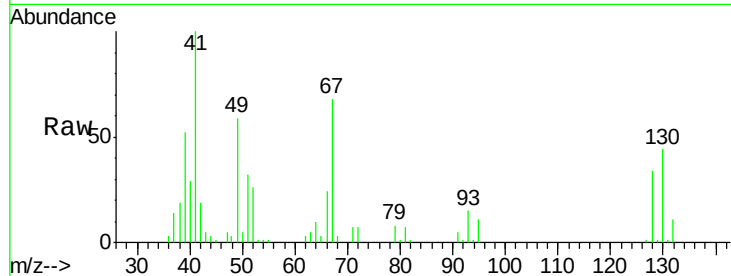
#41
Methacrylonitrile
Concen: 21.703 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VN0103WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.8	48.0	72.0	
67	81.4	70.3	105.5	
52	32.7	26.9	40.3	

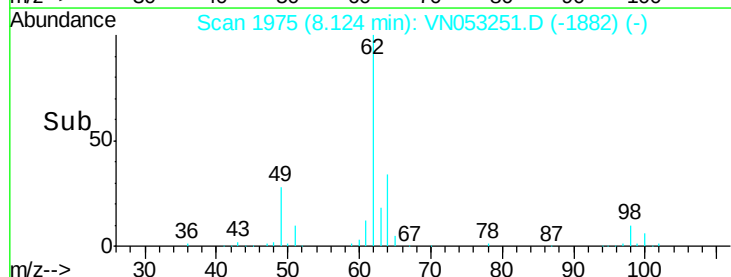
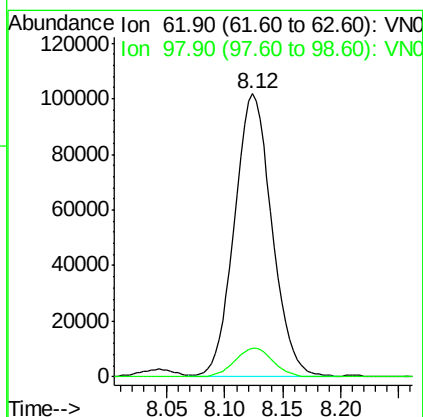
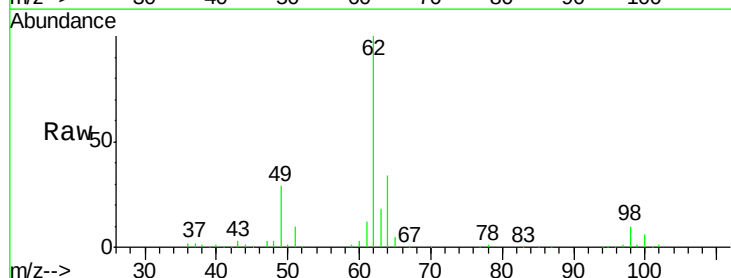
Manual Integrations
APPROVED

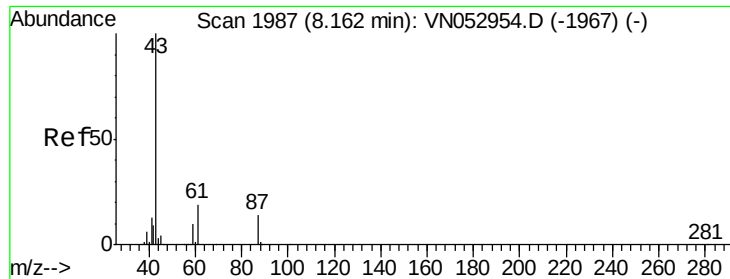
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#42
1,2-Dichloroethane
Concen: 20.228 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	19.0	





#43

Isopropyl Acetate

Concen: 19.039 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

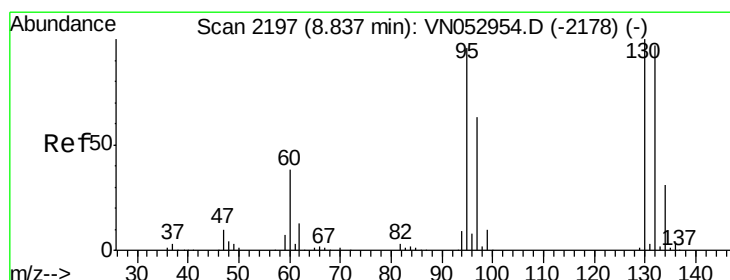
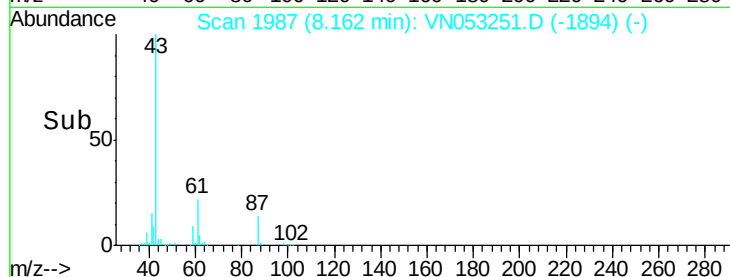
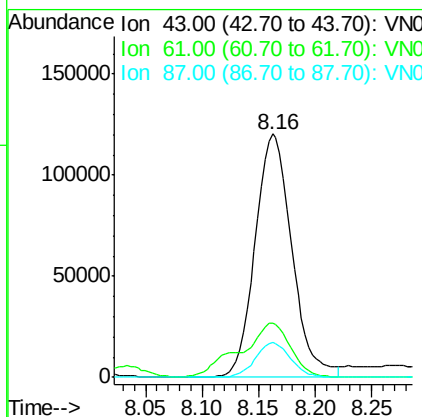
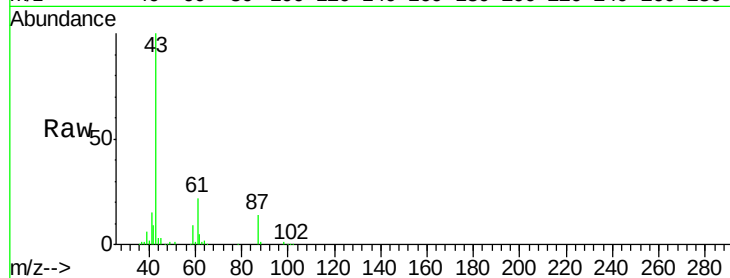
ClientSampleId :

VN0103WBS01

Tot Ion:	43	Resp:	272706
Ion	Ratio	Lower	Upper
43	100		
61	30.0	22.9	34.3
87	13.6	10.6	15.8

Manual Integrations
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MMDadoda
1/4/2019 12:38:58 PM



#44

Trichloroethene

Concen: 19.070 ug/l

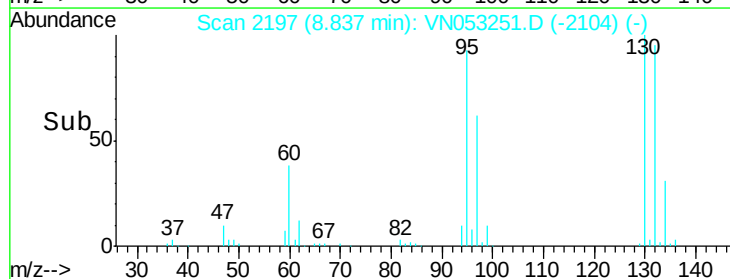
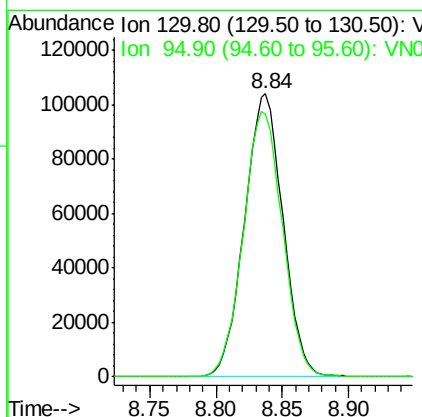
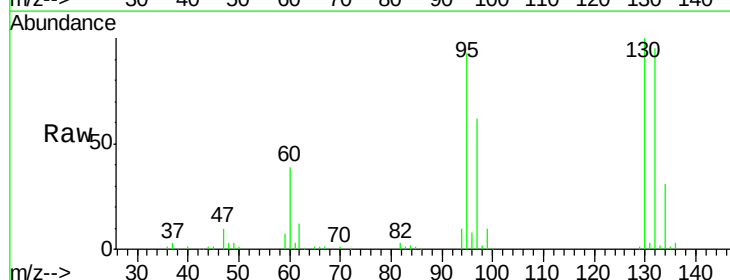
RT: 8.84 min Scan# 2197

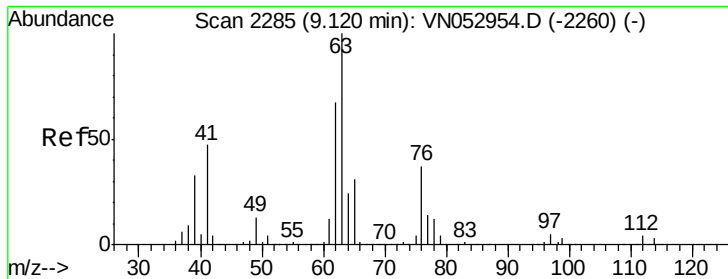
Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Tgt Ion:	130	Resp:	210387
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	197.8





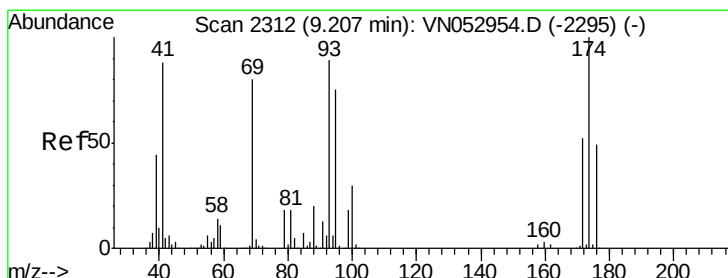
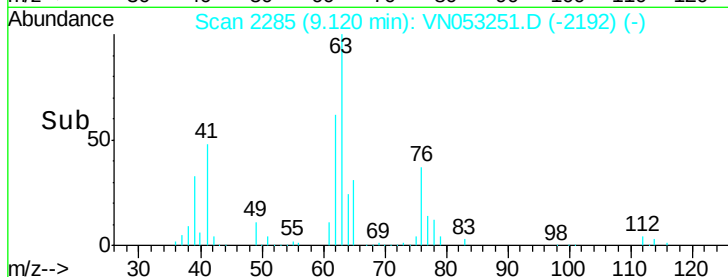
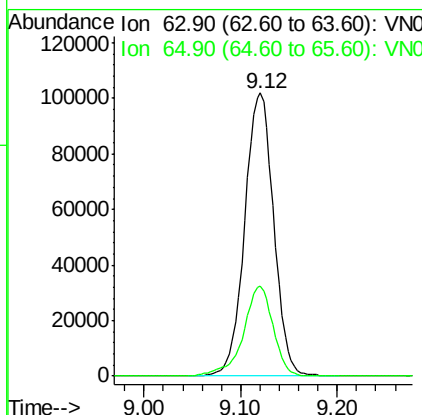
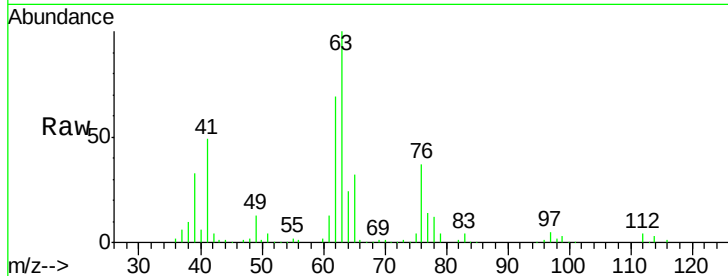
#45
 1,2-Dichloropropane
 Concen: 21.369 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053251.D
 Acq: 3 Jan 2019 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0103WBS01

Tot Ion: 63 Resp: 212308
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.6 37.0

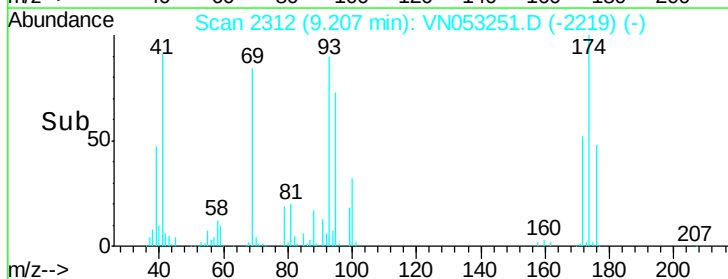
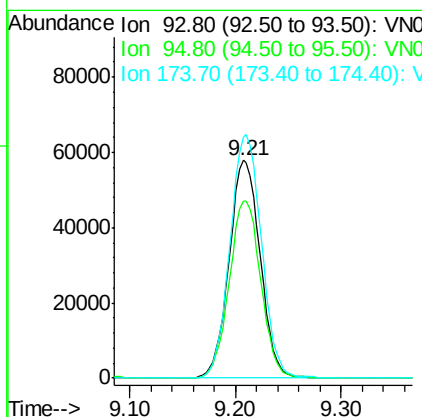
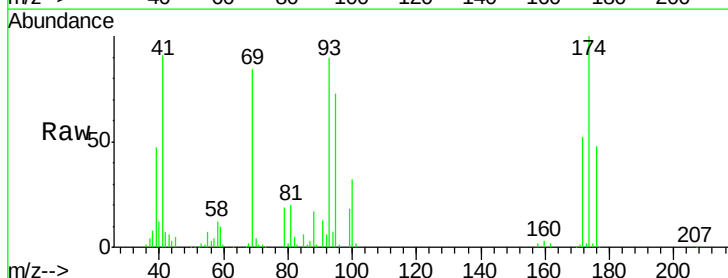
Manual Integrations
 APPROVED

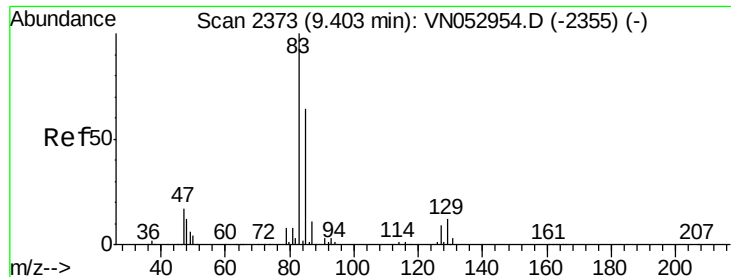
MMDadoda
 1/4/2019 12:38:58 PM



#46
 Dibromomethane
 Concen: 20.414 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053251.D
 Acq: 3 Jan 2019 10:16

Tgt Ion: 93 Resp: 118151
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.8 101.6
 174 112.8 89.0 133.4





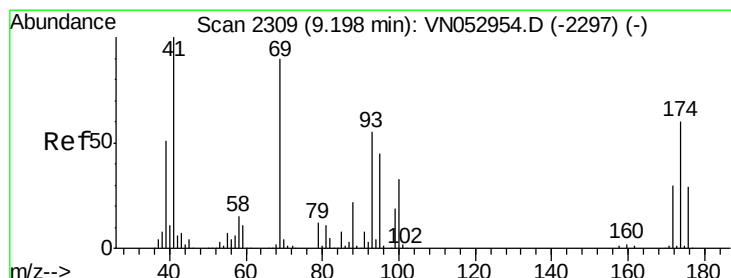
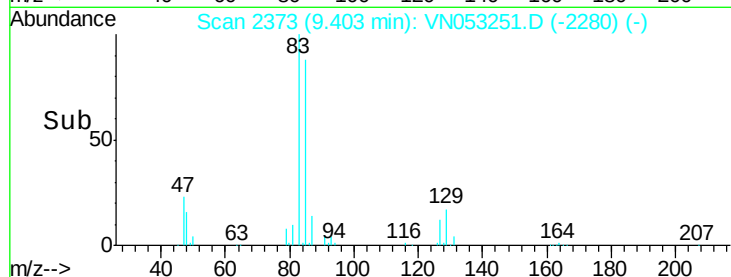
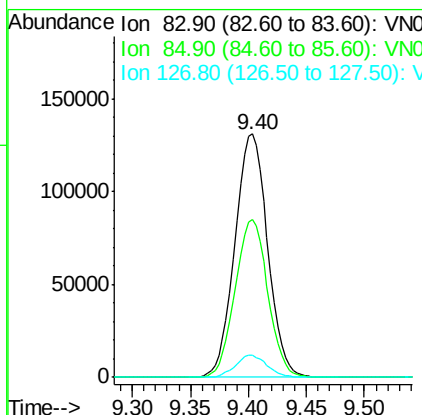
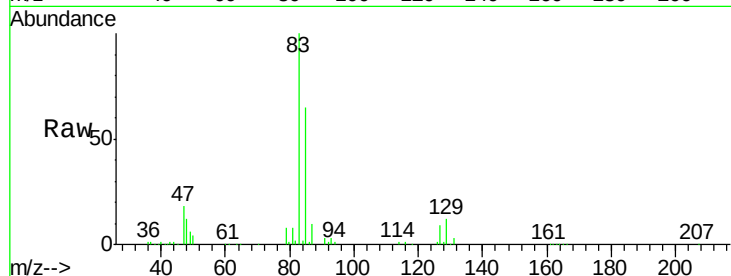
#47
Bromodichloromethane
Concen: 20.876 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0103WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	256829		
85	64.9		51.6	77.4
127	8.9		7.1	10.7

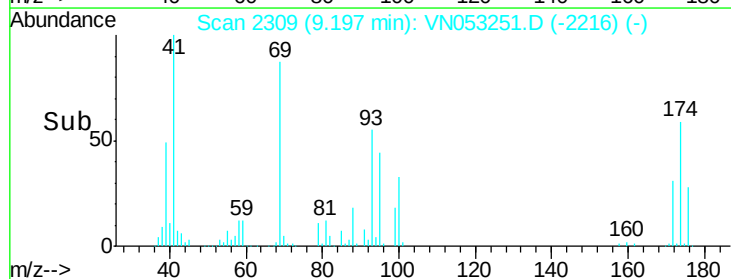
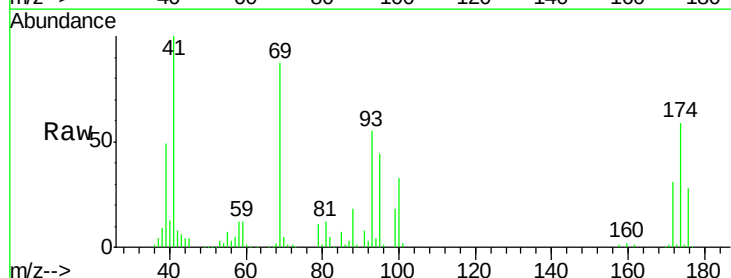
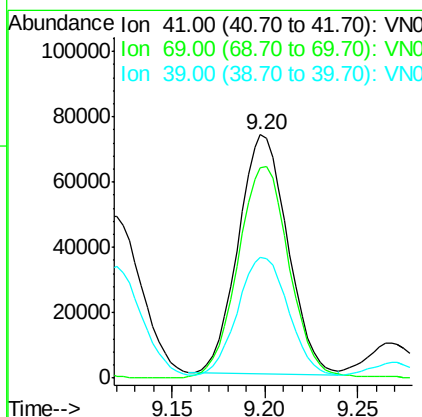
Manual Integrations
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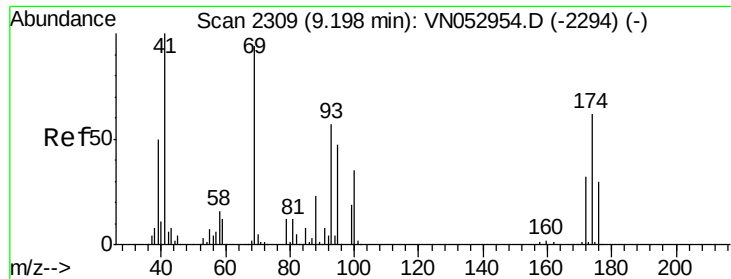
MMDadoda
1/4/2019 12:38:58 PM



#48
Methyl methacrylate
Concen: 19.559 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	135865		
69	92.4		72.2	108.2
39	52.8		41.9	62.9





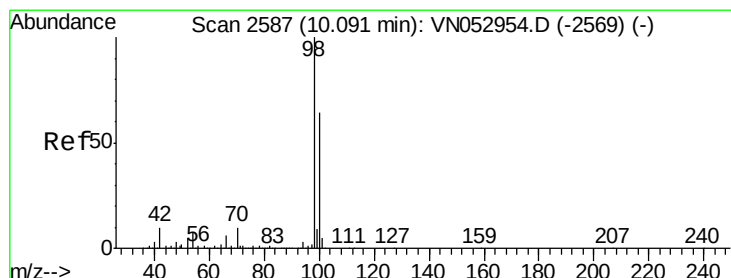
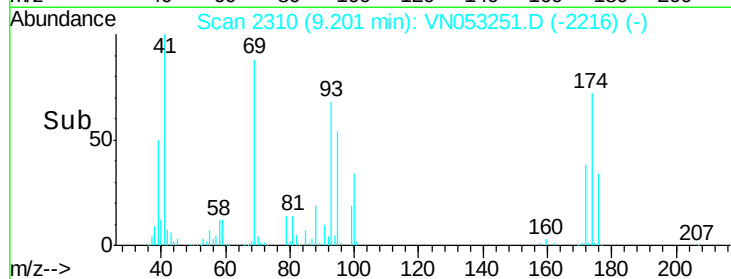
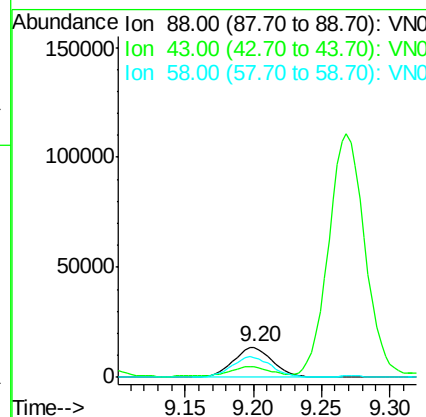
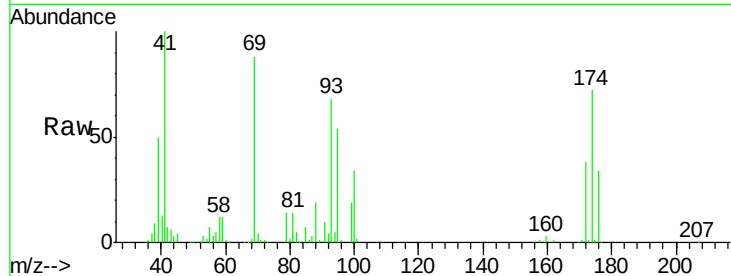
#49
 1,4-Dioxane
 Concen: 312.153 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053251.D
 Acq: 3 Jan 2019 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0103WBS01

Tot Ion	88	Resp	27429
Ion	Ratio	Lower	Upper
88	100		
43	32.7	26.6	40.0
58	70.3	58.4	87.6

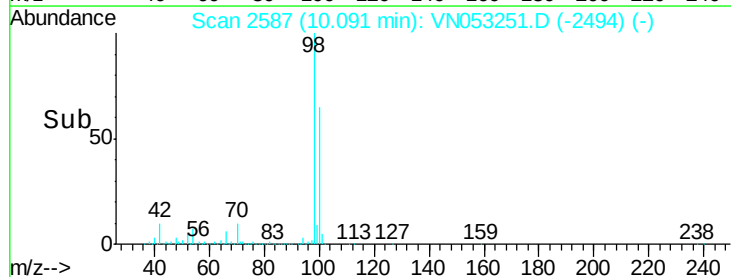
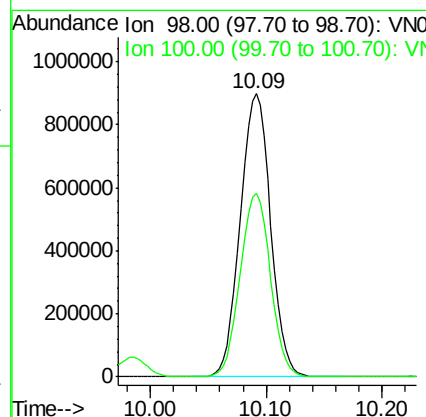
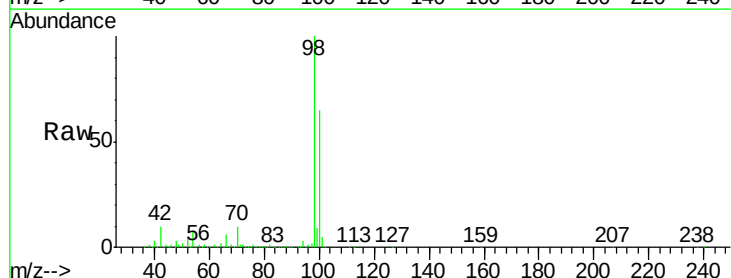
Manual Integrations
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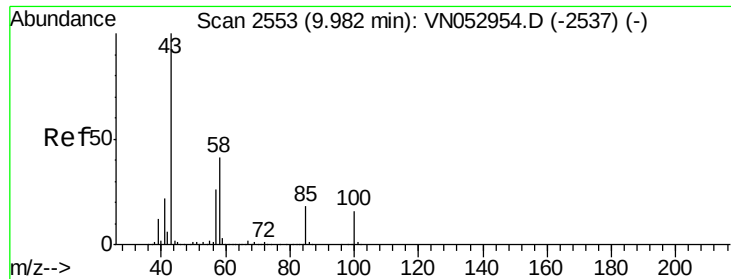
MMDadoda
 1/4/2019 12:38:58 PM



#50
 Toluene-d8
 Concen: 312.153 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053251.D
 Acq: 3 Jan 2019 10:16

Tgt Ion	98	Resp	1632990
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4





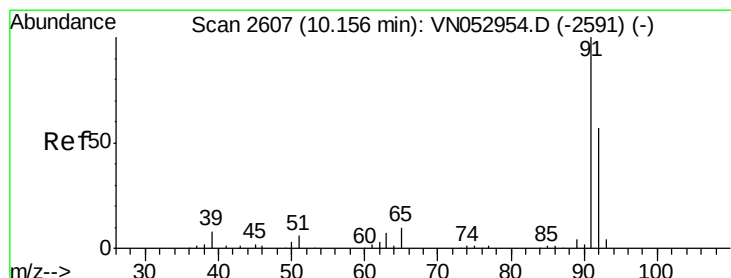
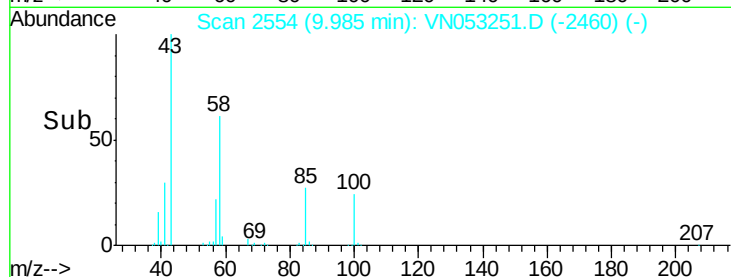
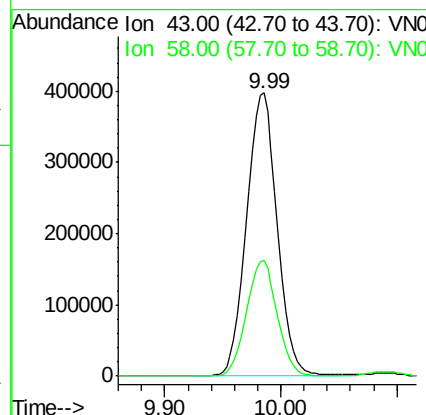
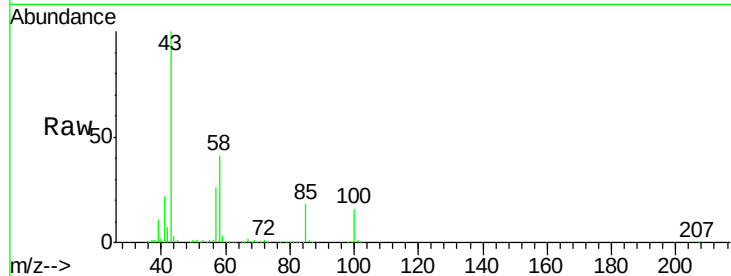
#51
4-Methyl-2-Pentanone
Concen: 105.199 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0103WBS01

Tot Ion: 43 Resp: 729299
Ion Ratio Lower Upper
43 100
58 41.0 32.2 48.4

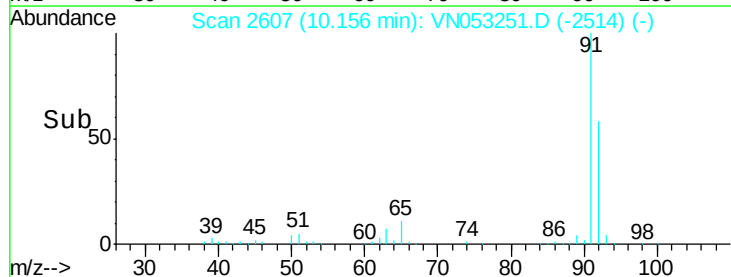
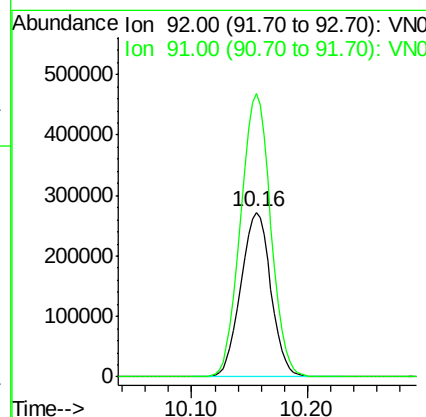
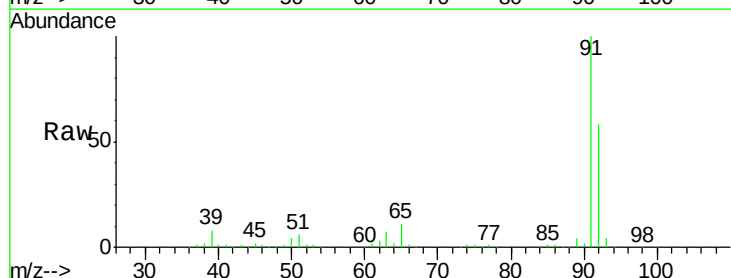
Manual Integrations
APPROVED

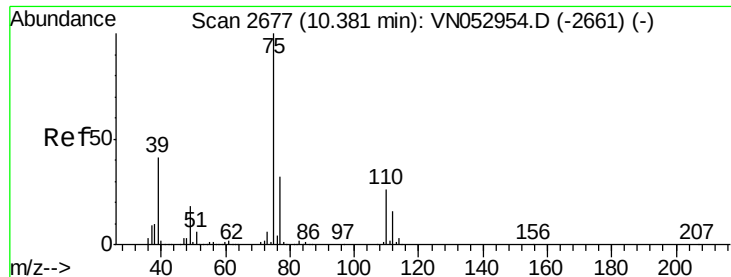
MMDadoda
1/4/2019 12:38:58 PM



#52
Toluene
Concen: 20.586 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Tgt Ion: 92 Resp: 486697
Ion Ratio Lower Upper
92 100
91 173.2 139.8 209.6





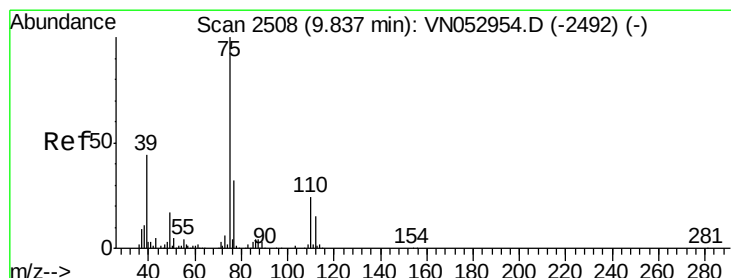
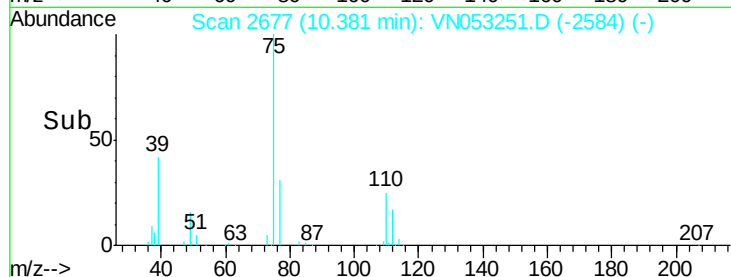
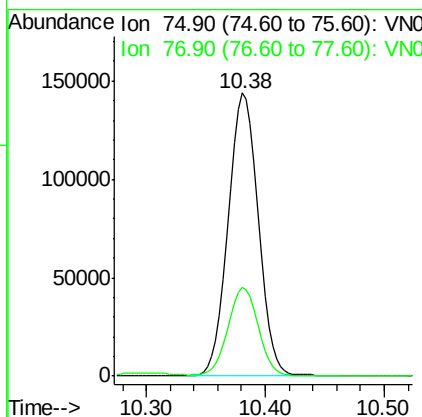
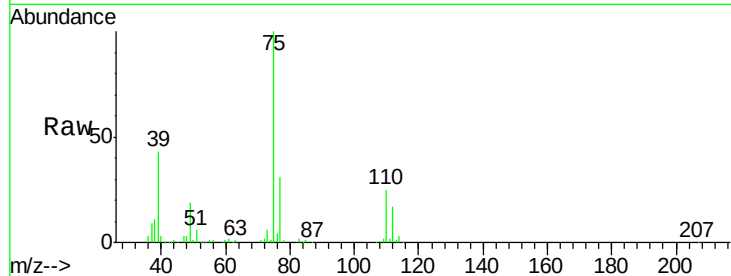
#53
t-1,3-Dichloropropene
Concen: 19.543 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VN0103WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.6	38.4

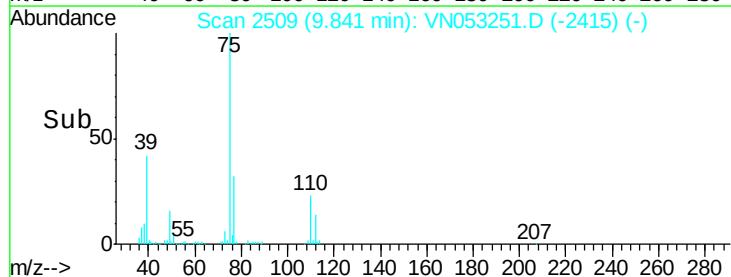
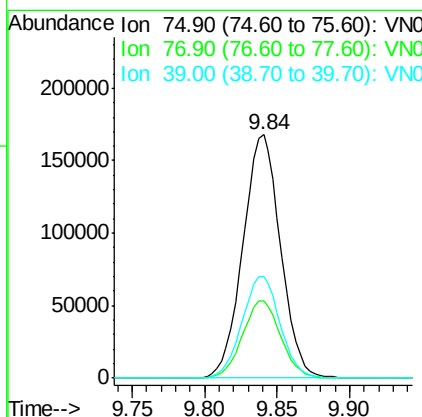
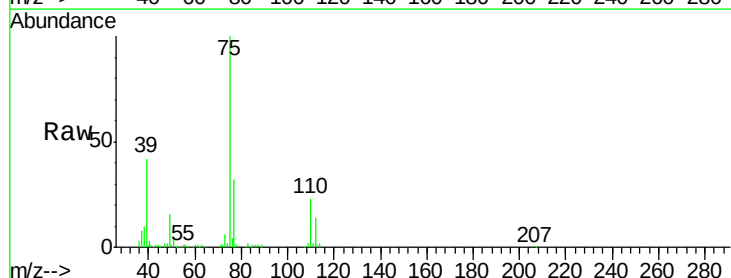
Manual Integrations
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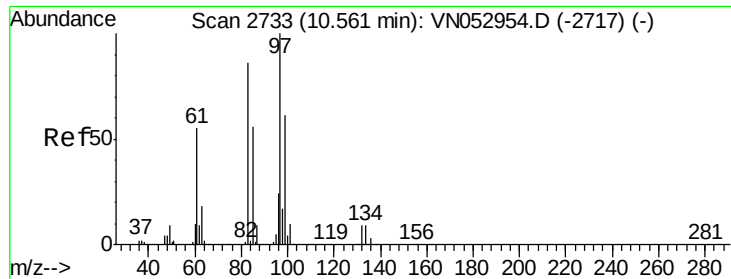
MMDadoda
1/4/2019 12:38:58 PM



#54
cis-1,3-Dichloropropene
Concen: 20.402 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.8
39	41.6	34.8	52.2





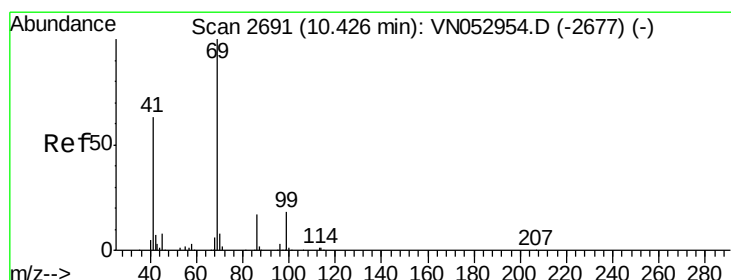
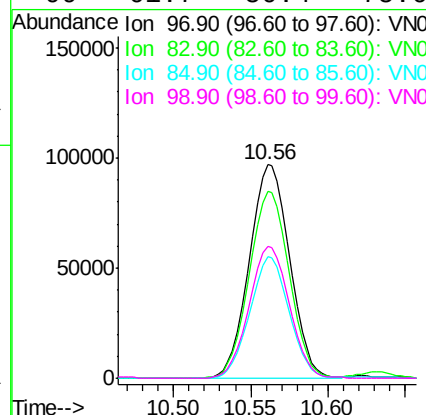
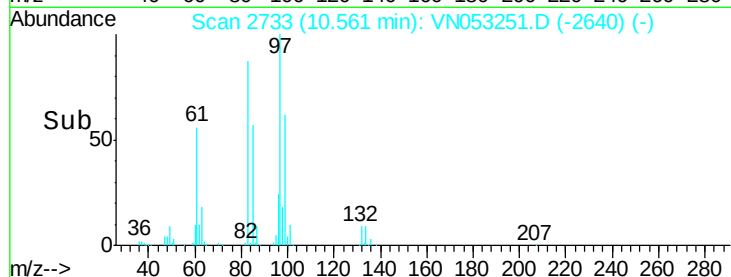
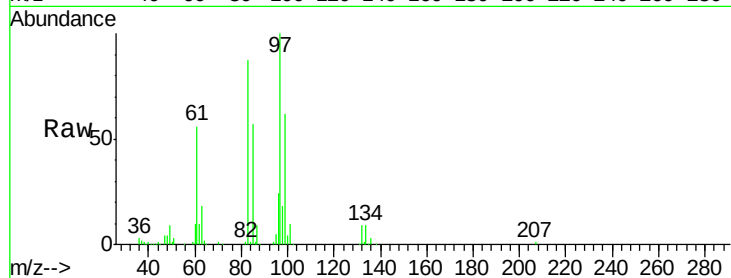
#55
 1,1,2-Trichloroethane
 Concen: 21.394 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053251.D
 Acq: 3 Jan 2019 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0103WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		176459		
83	87.5	70.9	106.3		
85	56.8	45.4	68.2		
99	61.7	50.4	75.6		

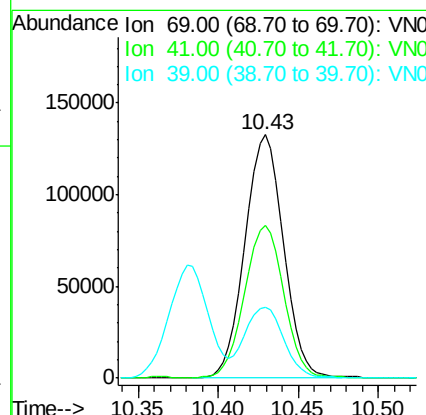
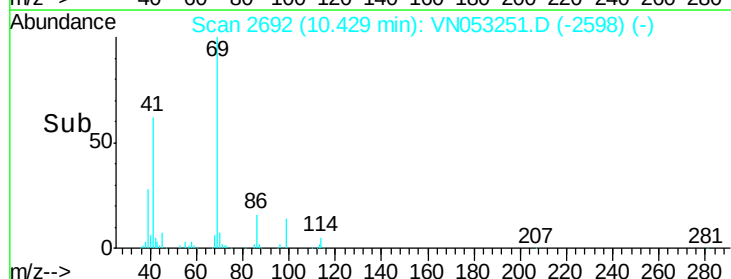
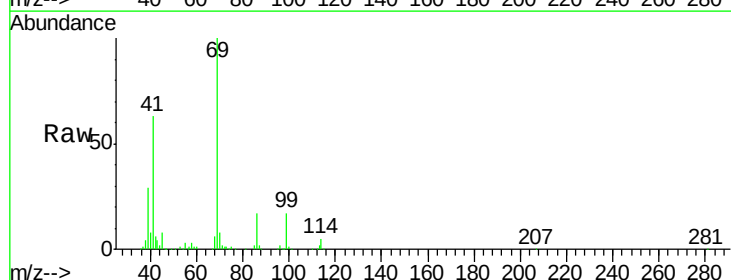
Manual Integrations
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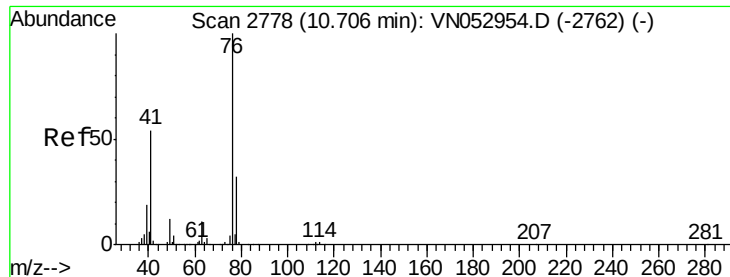
MMDadoda
 1/4/2019 12:38:58 PM



#56
 Ethyl methacrylate
 Concen: 20.024 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053251.D
 Acq: 3 Jan 2019 10:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		218606		
41	62.9	51.7	77.5		
39	29.6	24.6	37.0		





#57

1,3-Dichloropropane

Concen: 20.985 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0103WBS01

Tot Ion: 76 Resp: 296801

Ion Ratio Lower Upper

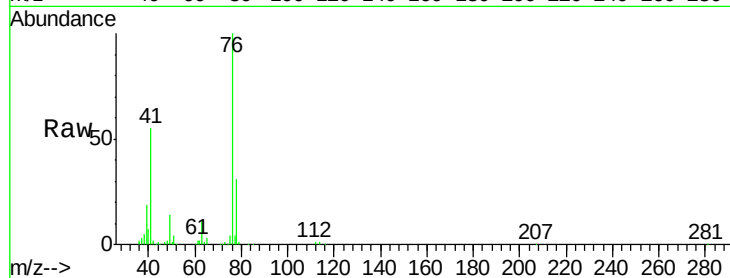
76 100

78 31.9 25.8 38.8

Manual Integrations
APPROVED

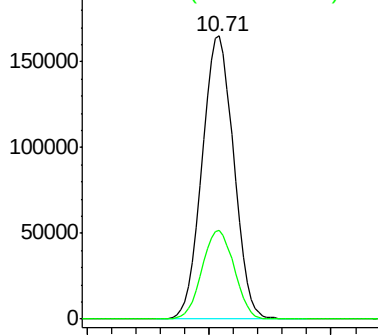
MMDadoda

1/4/2019 12:38:58 PM

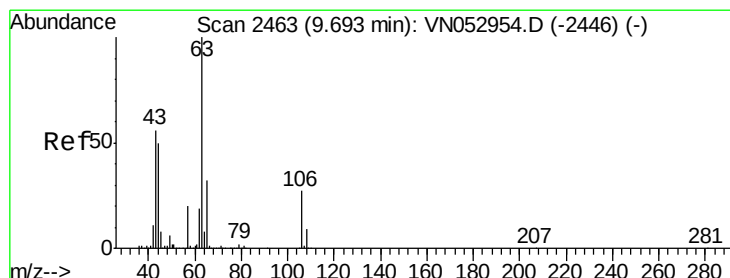
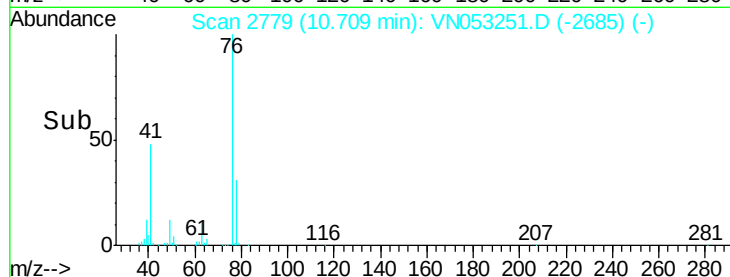


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 102.760 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053251.D

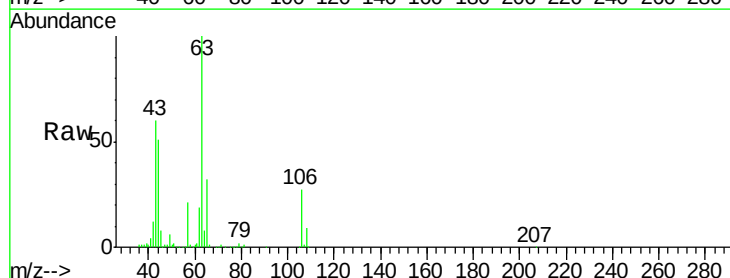
Acq: 3 Jan 2019 10:16

Tgt Ion: 63 Resp: 615880

Ion Ratio Lower Upper

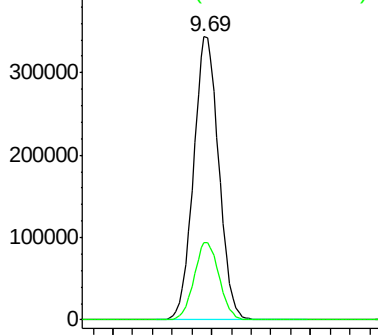
63 100

106 27.3 21.0 31.6

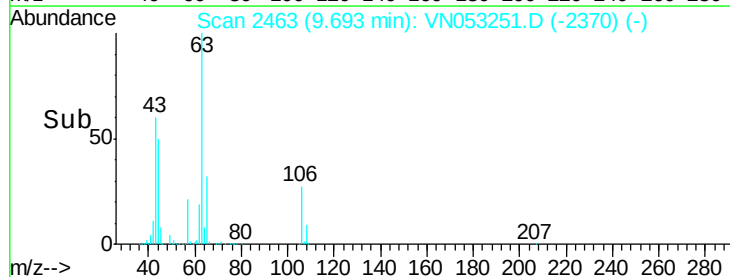


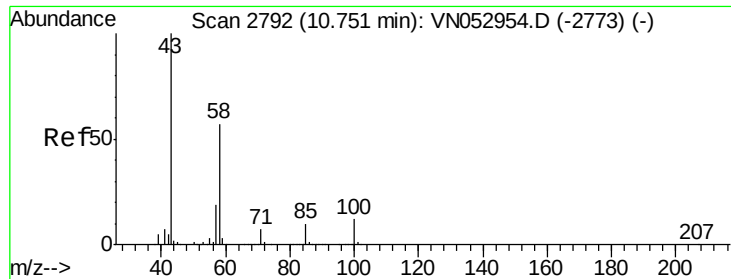
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time--> 9.60 9.70 9.80





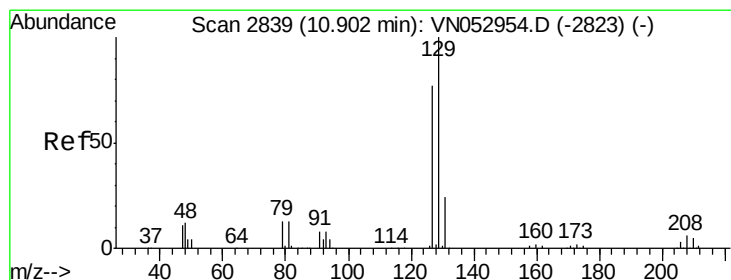
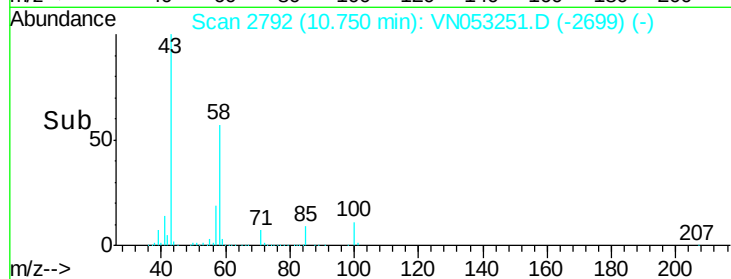
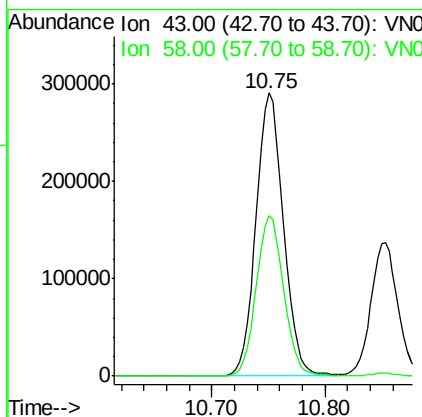
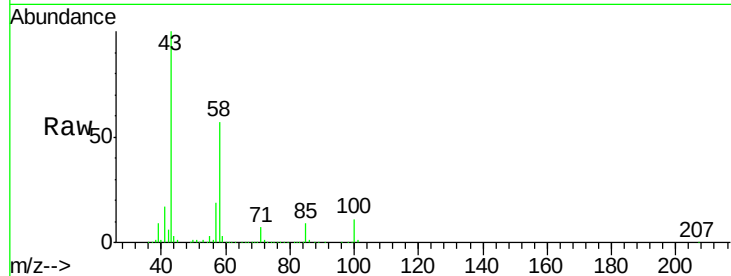
#59
2-Hexanone
Concen: 104.358 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0103WBS01

Tot Ion	43	Resp	489486
Ion Ratio	100	Lower	Upper
58	56.9	28.1	84.3

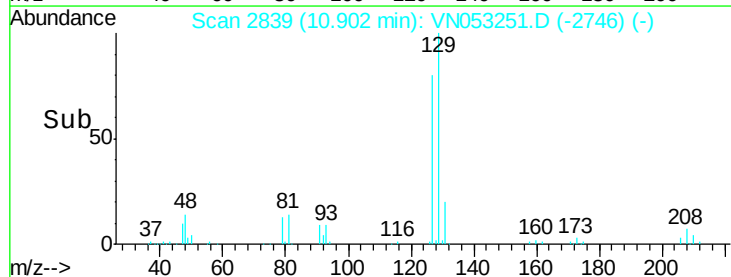
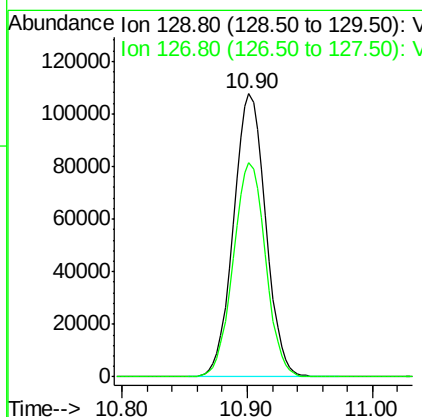
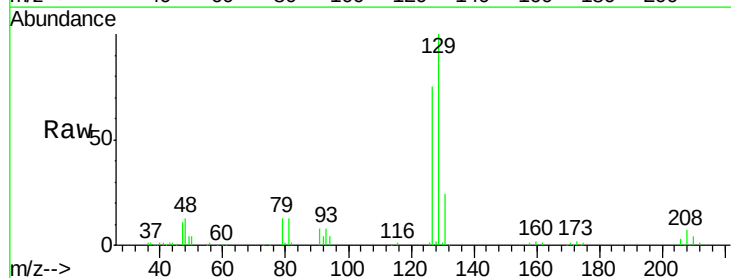
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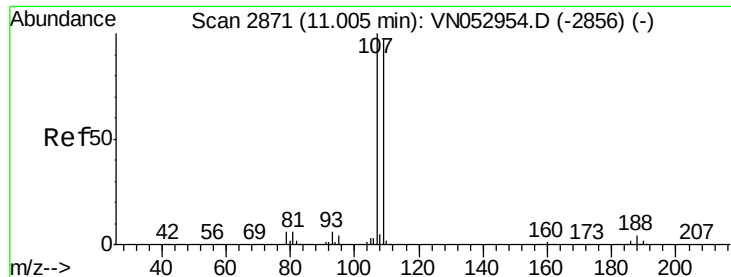
MMDadoda
1/4/2019 12:38:58 PM



#60
Dibromochloromethane
Concen: 20.366 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Tgt Ion	129	Resp	192280
Ion Ratio	100	Lower	Upper
127	75.7	38.6	116.0





#61

1,2-Dibromoethane

Concen: 19.883 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0103WBS01

Tot Ion: 107 Resp: 166554

Ion Ratio Lower Upper

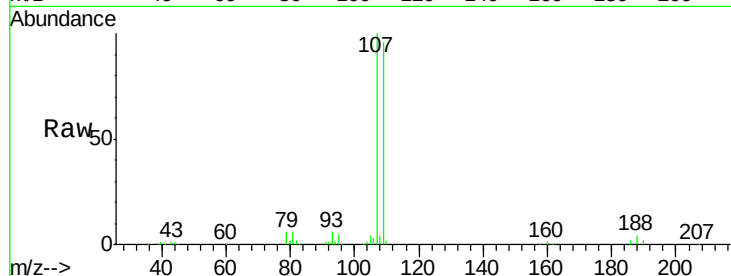
107 100

109 96.0 75.4 113.0

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

100000

80000

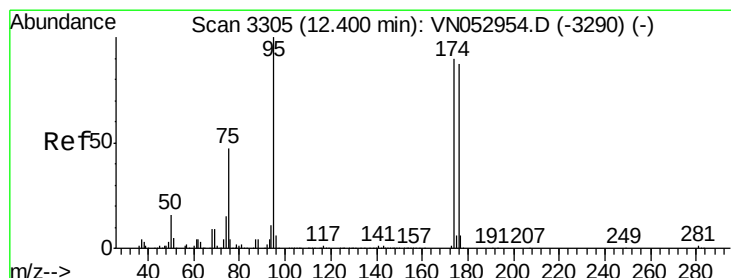
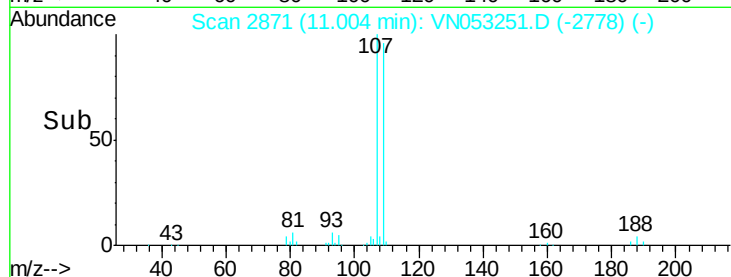
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 19.883 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

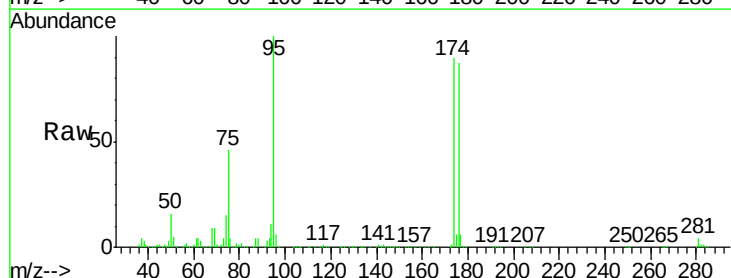
Tgt Ion: 95 Resp: 551635

Ion Ratio Lower Upper

95 100

174 90.9 0.0 178.8

176 88.2 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

400000

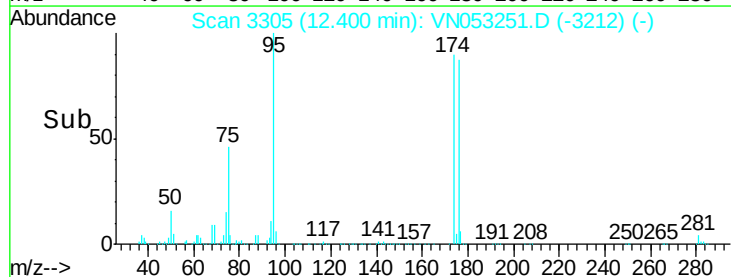
300000

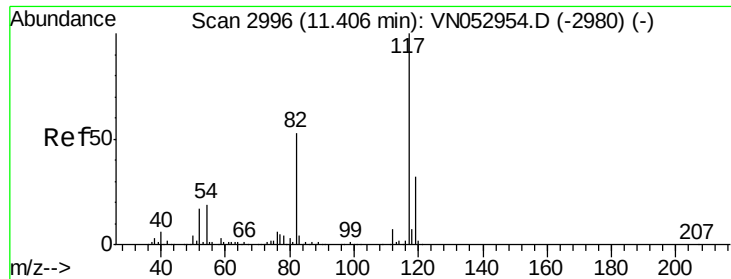
200000

100000

0

Time--> 12.35 12.40 12.45





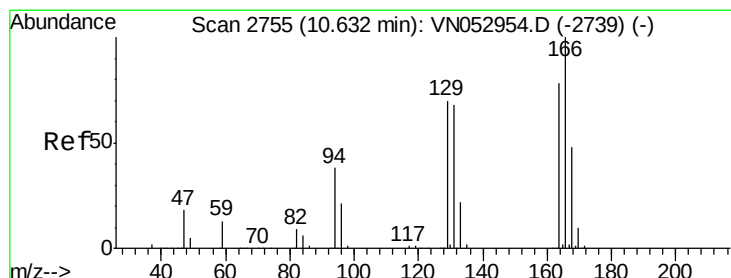
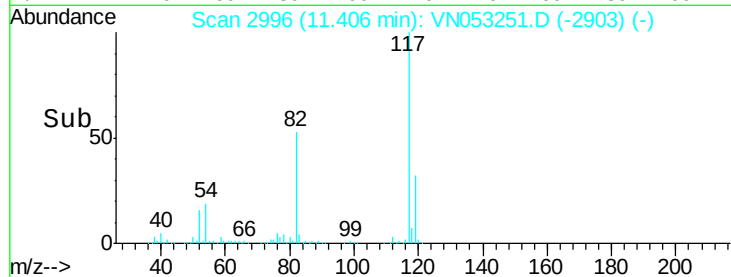
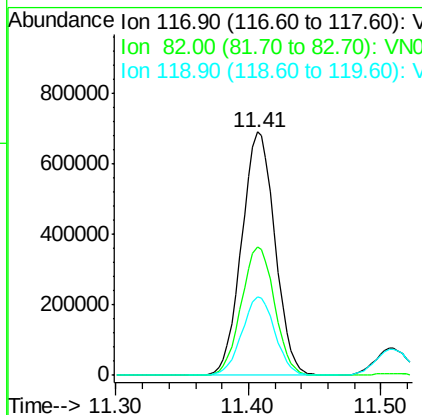
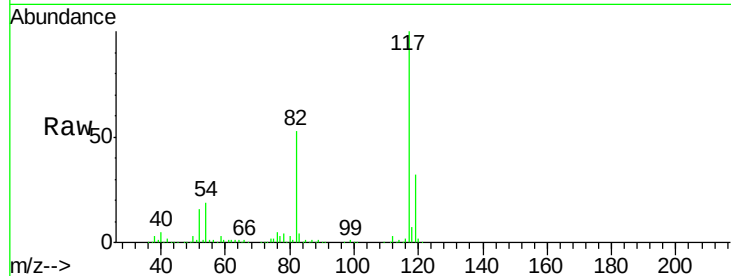
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0103WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.8	64.2
119	32.1	25.5	38.3

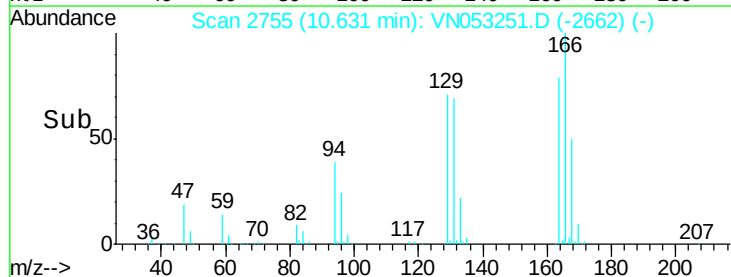
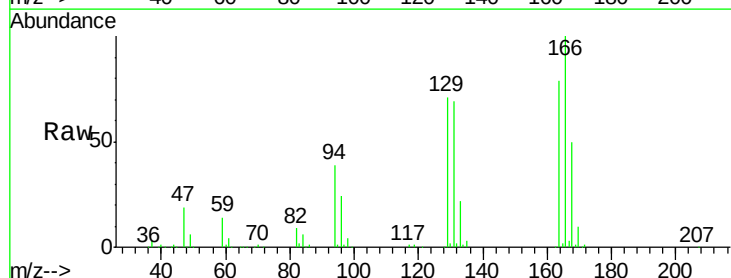
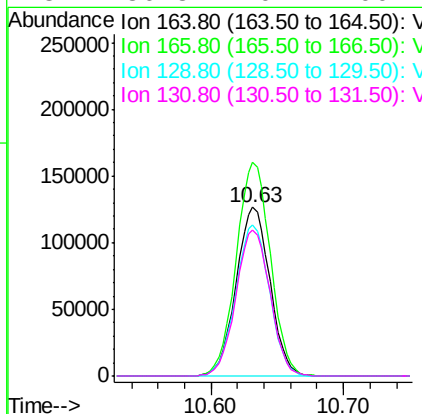
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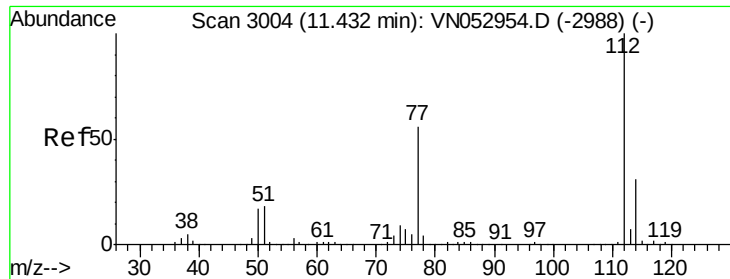
MMDadoda
1/4/2019 12:38:58 PM



#64
Tetrachloroethene
Concen: 17.230 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.9	154.3
129	89.5	73.7	110.5
131	86.8	70.7	106.1





#65

Chlorobenzene

Concen: 20.400 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0103WBS01

Tot Ion:112 Resp: 541832

Ion Ratio Lower Upper

112 100

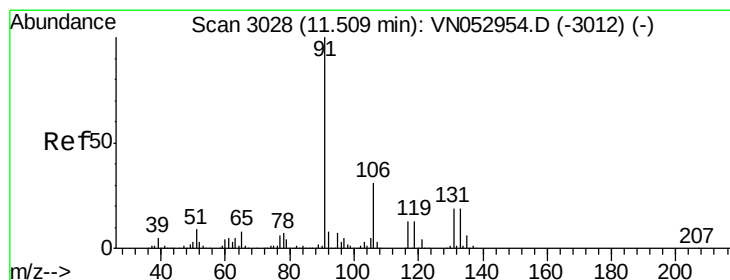
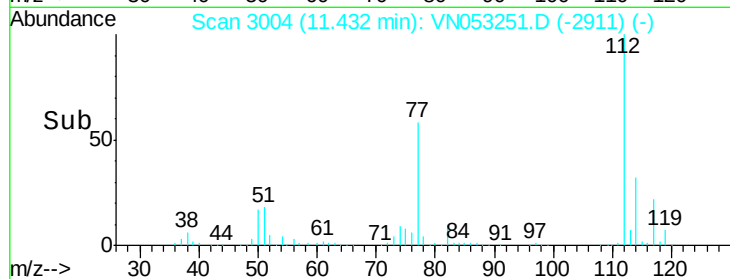
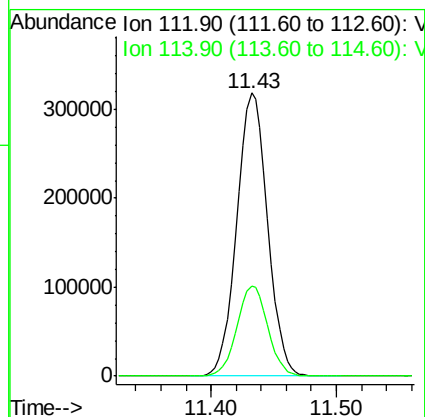
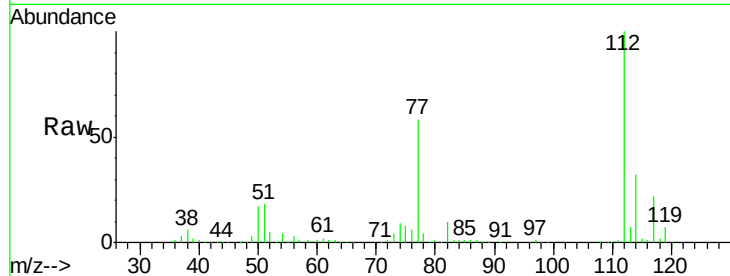
114 32.1 25.5 38.3

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.735 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

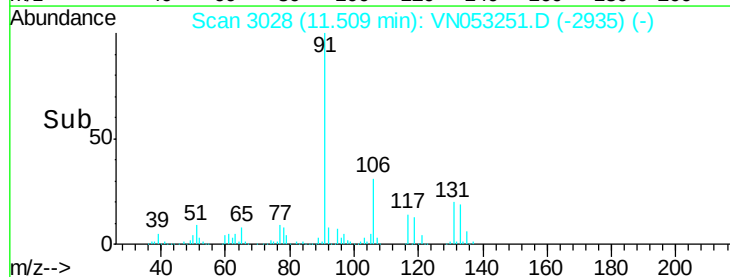
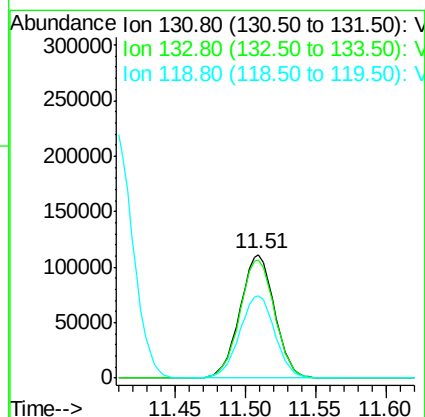
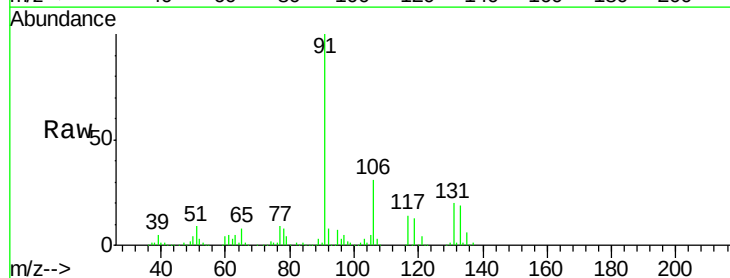
Tgt Ion:131 Resp: 191521

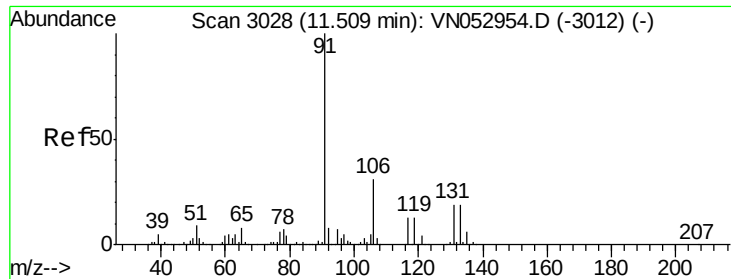
Ion Ratio Lower Upper

131 100

133 96.4 47.6 142.9

119 67.8 33.3 99.8





#67

Ethyl Benzene

Concen: 20.207 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0103WBS01

Tot Ion: 91 Resp: 922997

Ion Ratio Lower Upper

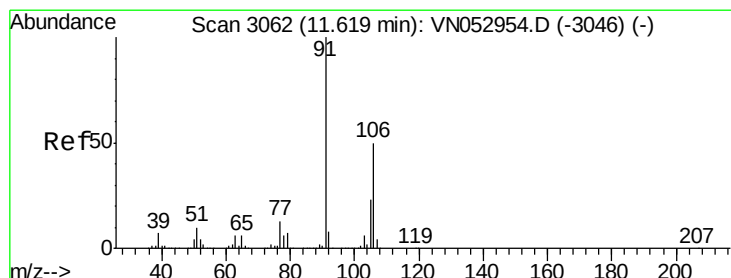
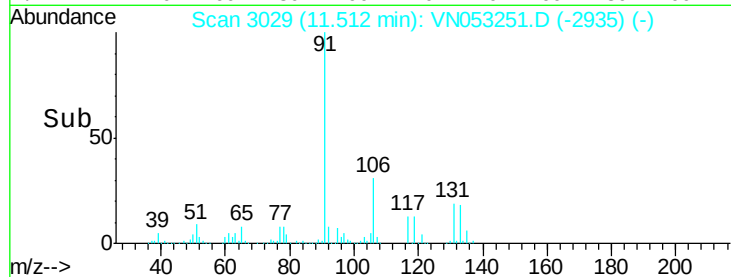
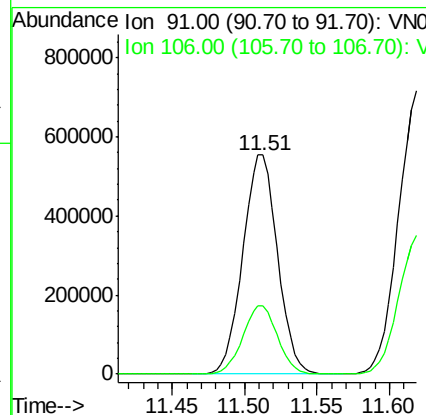
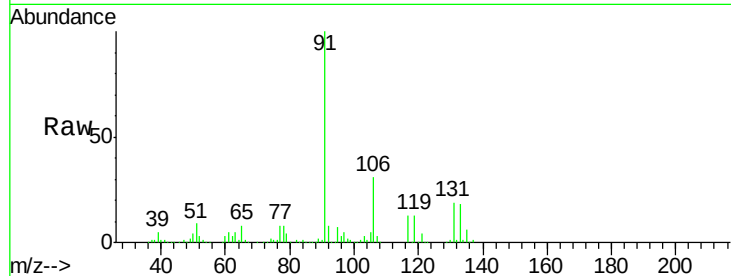
91 100

106 31.1 24.9 37.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.062 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053251.D

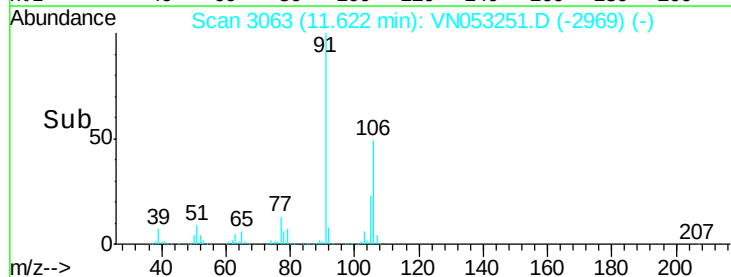
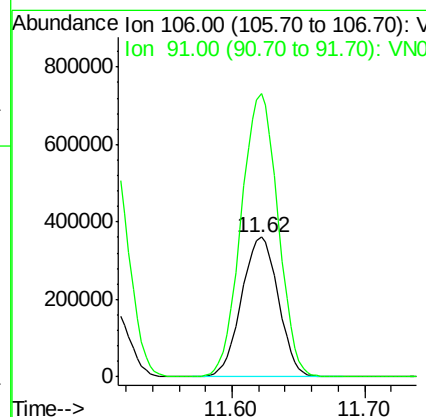
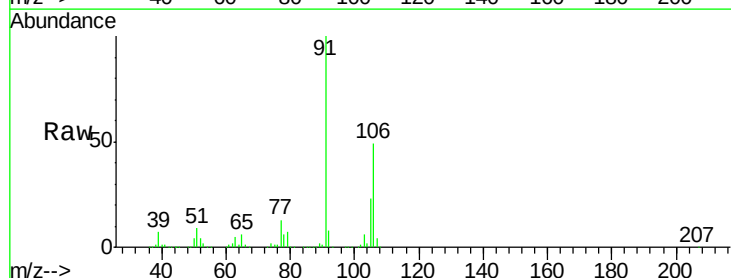
Acq: 3 Jan 2019 10:16

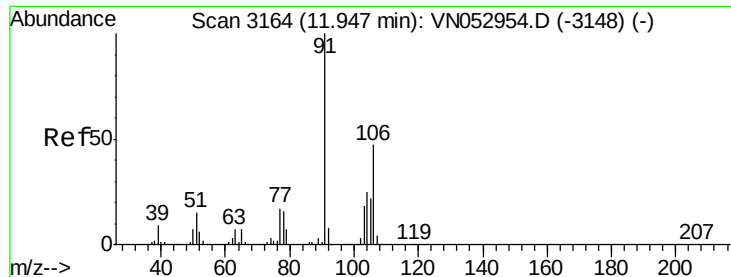
Tgt Ion: 106 Resp: 695664

Ion Ratio Lower Upper

106 100

91 202.6 162.2 243.4





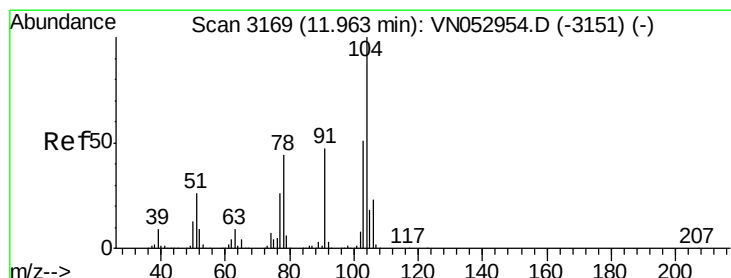
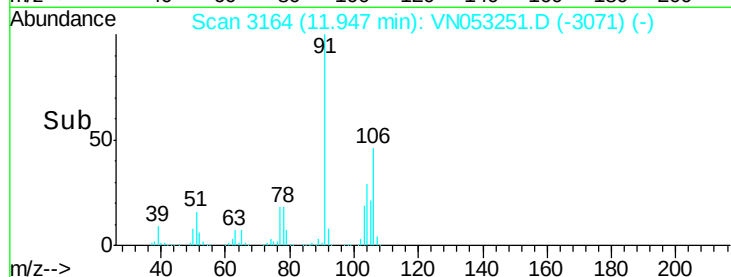
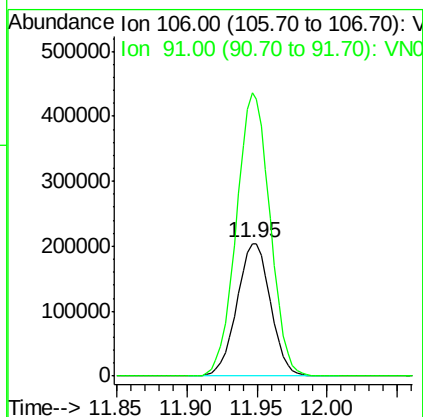
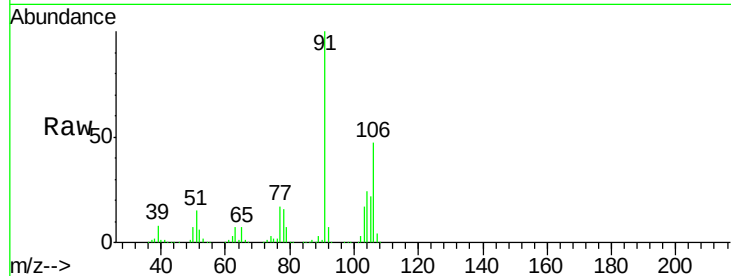
#69
o-Xylene
Concen: 20.460 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VN0103WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	340921		
91	91	213.2	106.6	319.8	

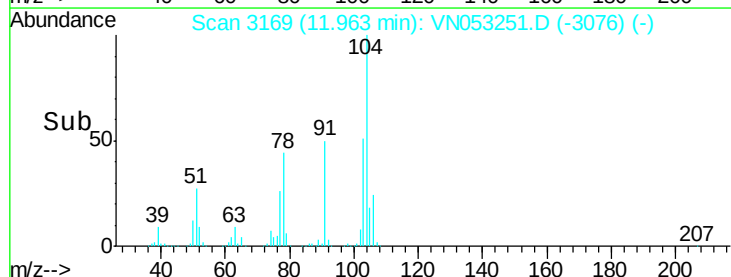
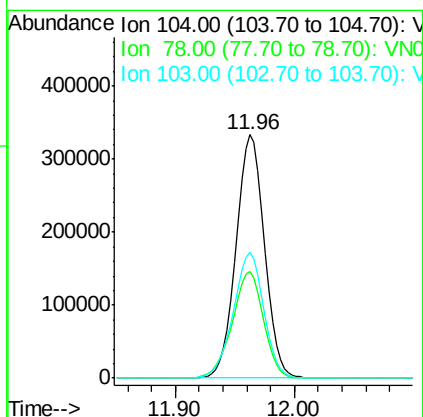
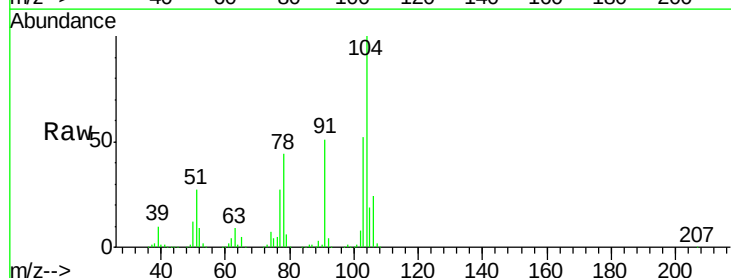
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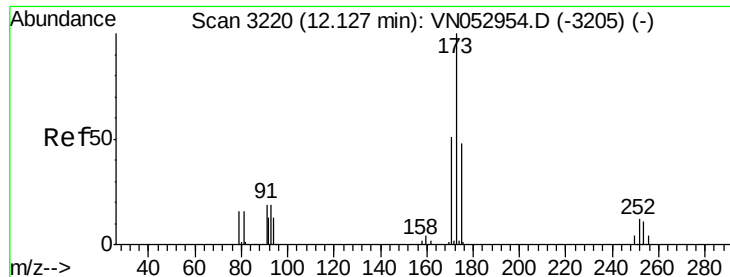
MMDadoda
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#70
Styrene
Concen: 20.309 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	551814		
78	78	47.9	38.9	58.3	
103	103	55.5	44.3	66.5	





#71

Bromoform

Concen: 18.067 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

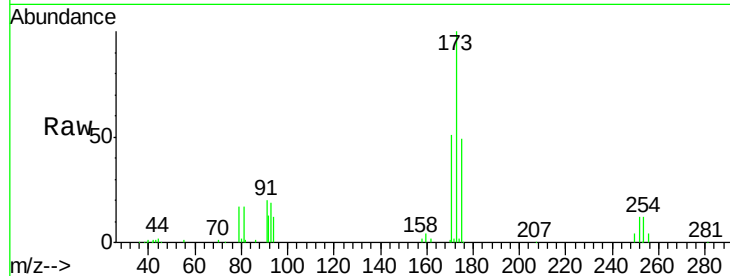
ClientSampled :

VN0103WBS01

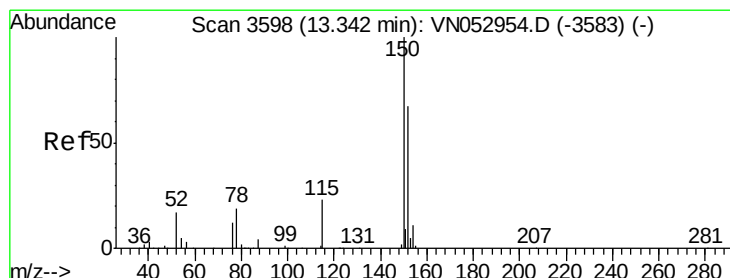
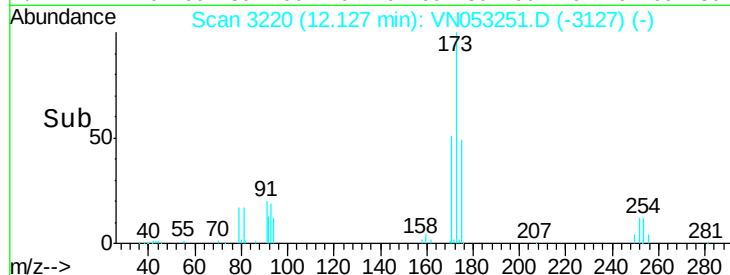
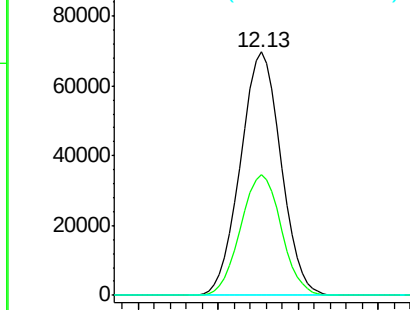
Tot Ion:	173	Resp:	120556
Ion Ratio	Lower	Upper	
173	100		
175	49.7	24.3	72.9
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

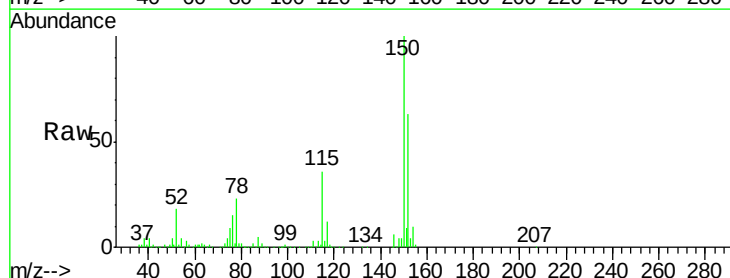
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

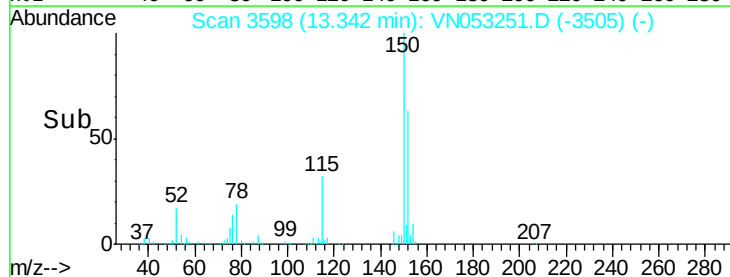
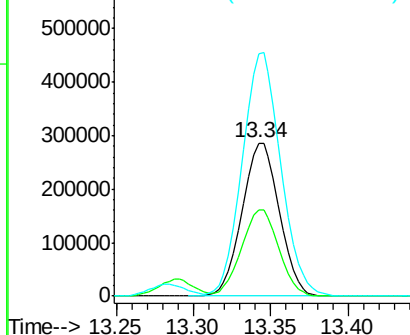
Lab File: VN053251.D

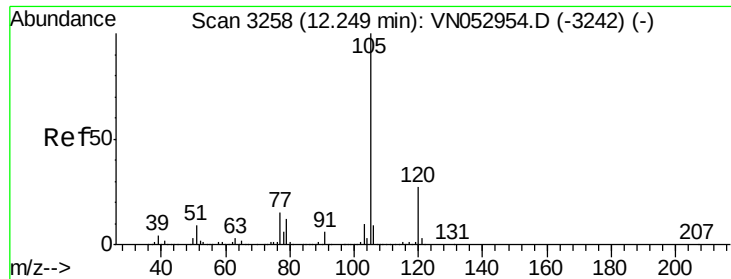
Acq: 3 Jan 2019 10:16

Tgt Ion:	152	Resp:	480494
Ion Ratio	Lower	Upper	
152	100		
115	56.6	28.3	85.0
150	164.4	0.0	347.8



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





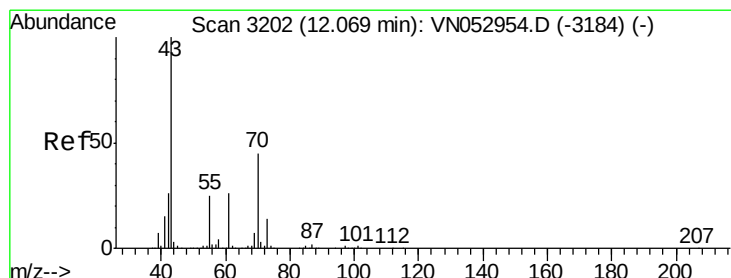
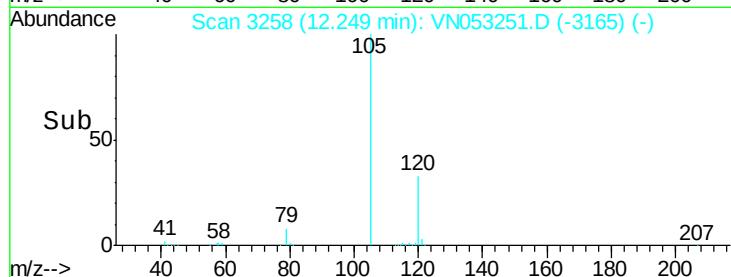
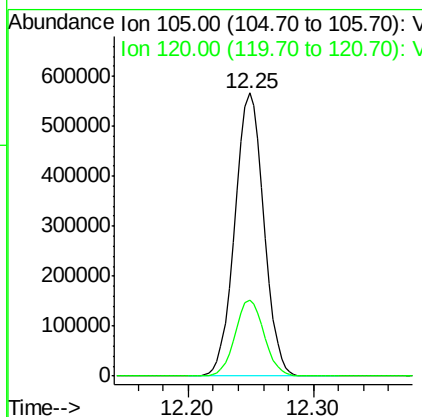
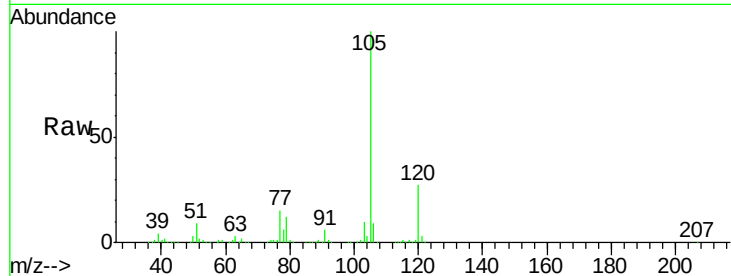
#73
Isopropylbenzene
Concen: 24.194 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0103WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.3	39.9

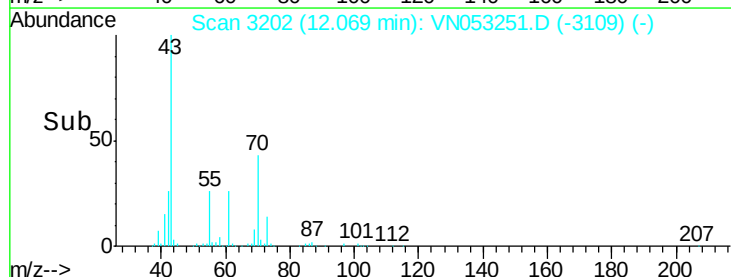
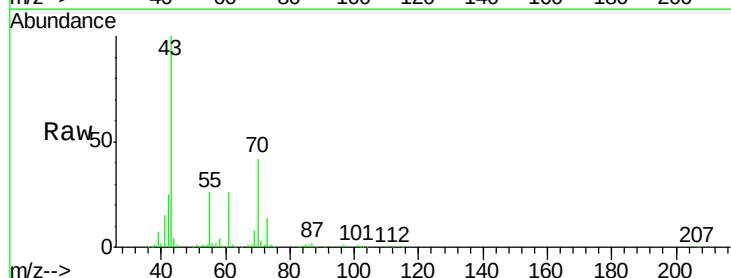
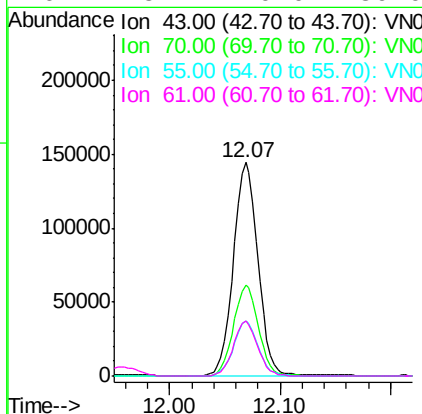
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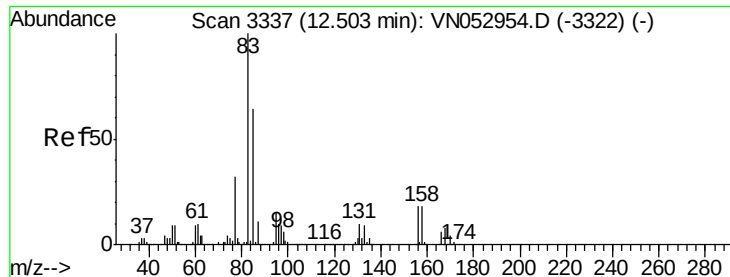
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#74
N-ethyl acetate
Concen: 21.285 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.0	34.2	51.4
55	26.0	20.3	30.5
61	25.4	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.503 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

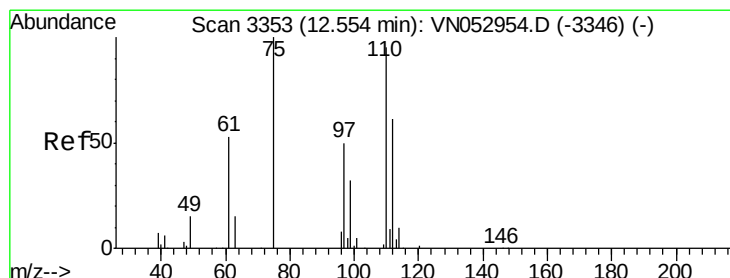
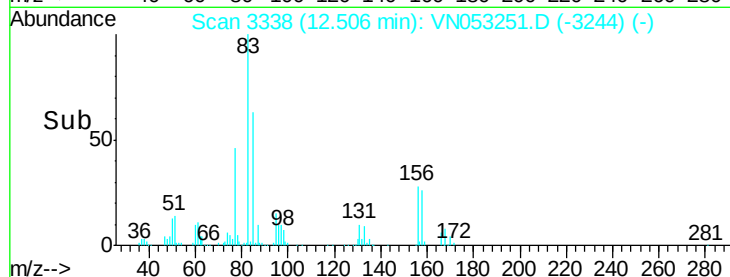
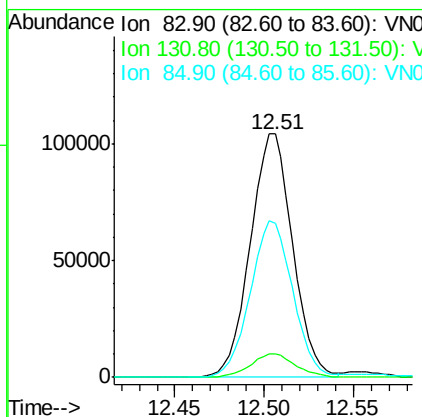
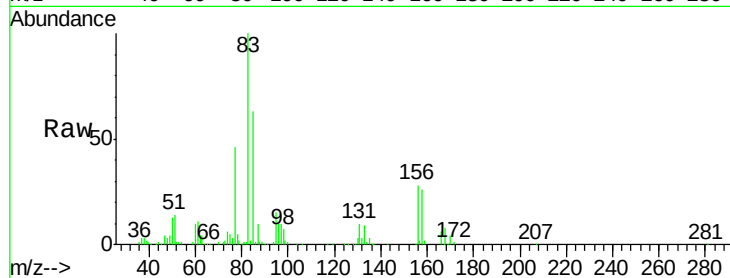
ClientSampled :

VN0103WBS01

Tot Ion:	83	Resp:	173347
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.3	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.069 ug/l m

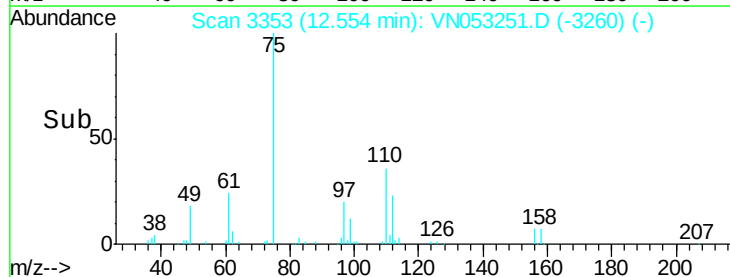
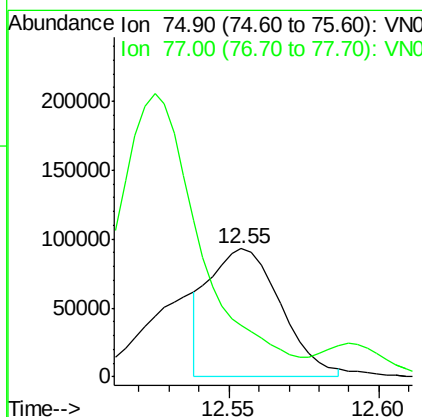
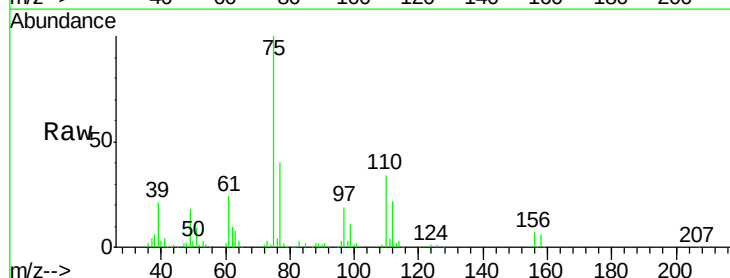
RT: 12.55 min Scan# 3353

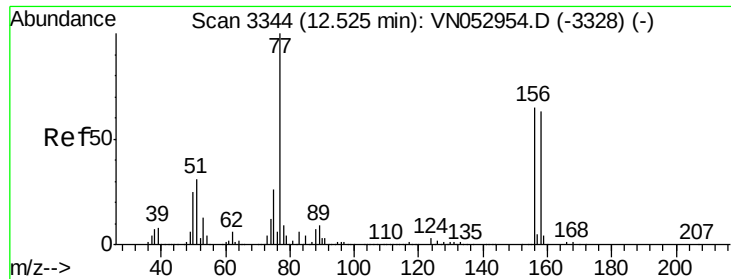
Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Tgt Ion:	75	Resp:	154241
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 23.154 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

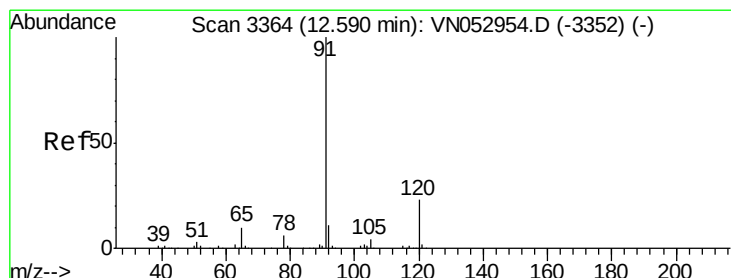
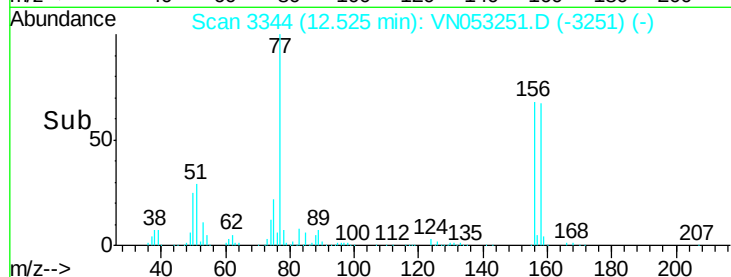
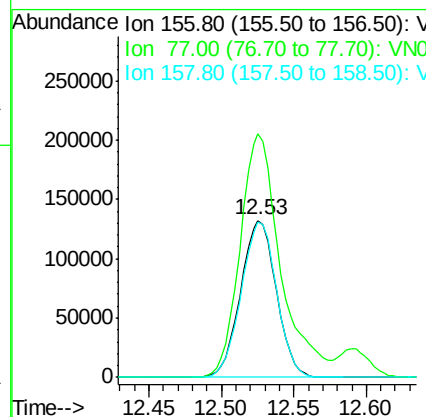
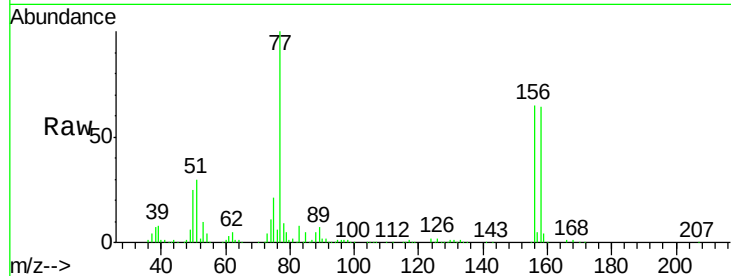
ClientSampled :

VN0103WBS01

Tot Ion:	156	Resp:	226272
Ion Ratio	Lower	Upper	
156	100		
77	175.5	91.3	273.8
158	98.5	49.0	147.2

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#78

n-propylbenzene

Concen: 23.652 ug/l

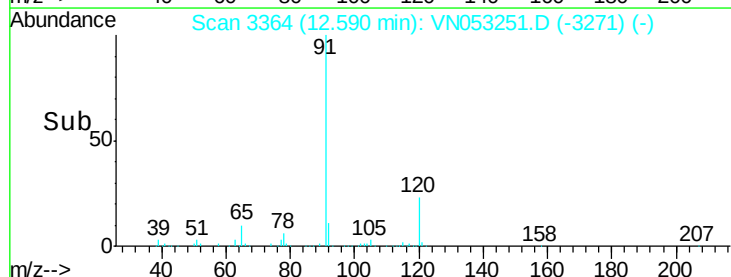
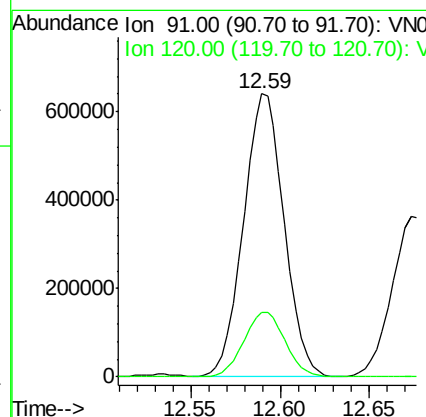
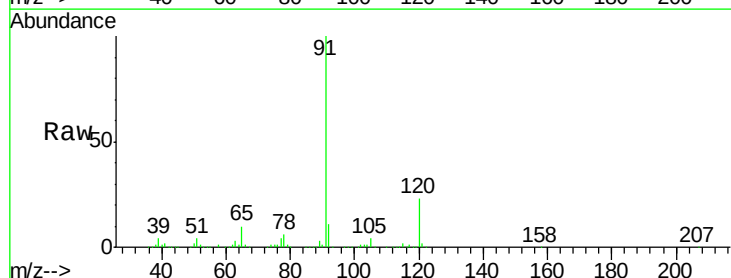
RT: 12.59 min Scan# 3364

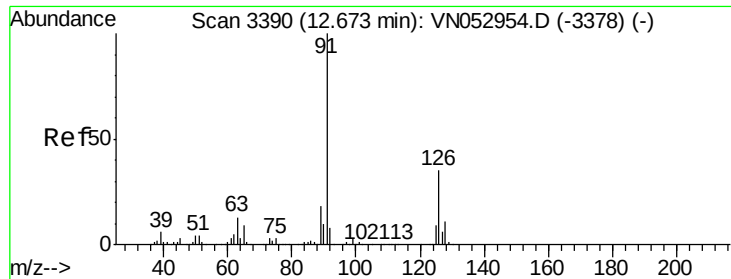
Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Tgt Ion:	91	Resp:	1012693
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5





#79

2-Chlorotoluene

Concen: 22.520 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0103WBS01

Tot Ion: 91 Resp: 597681

Ion Ratio Lower Upper

91 100

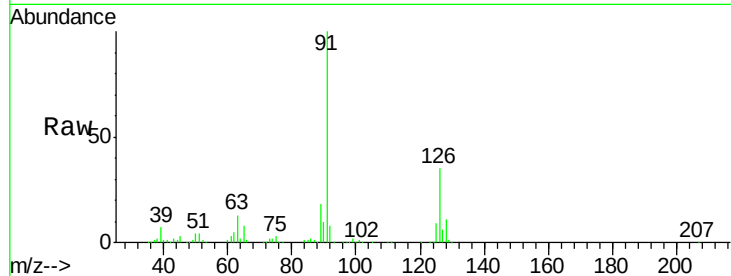
126 35.1 17.4 52.3

Manual Integrations

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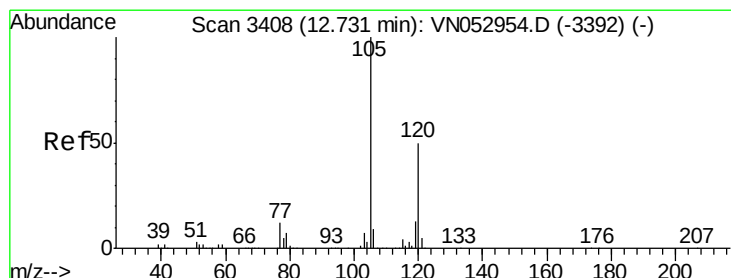
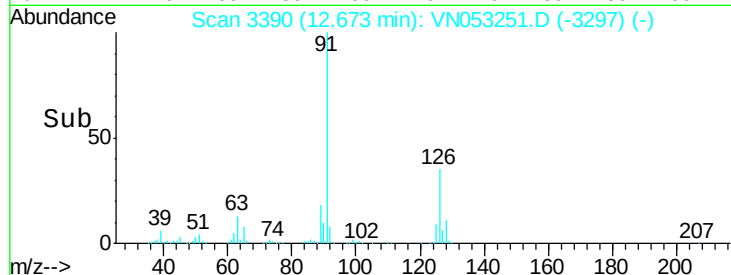
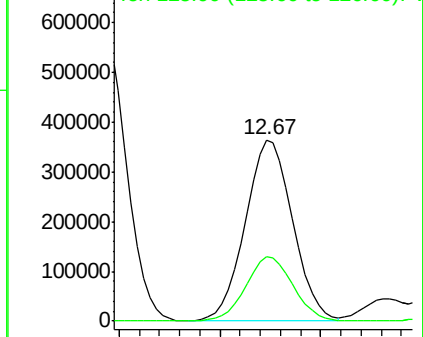
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.940 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053251.D

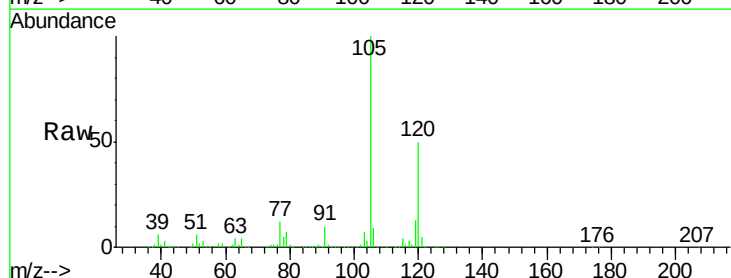
Acq: 3 Jan 2019 10:16

Tgt Ion:105 Resp: 702955

Ion Ratio Lower Upper

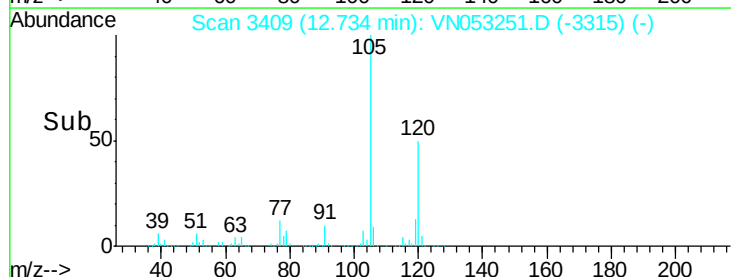
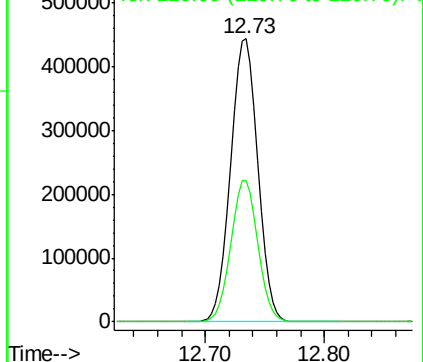
105 100

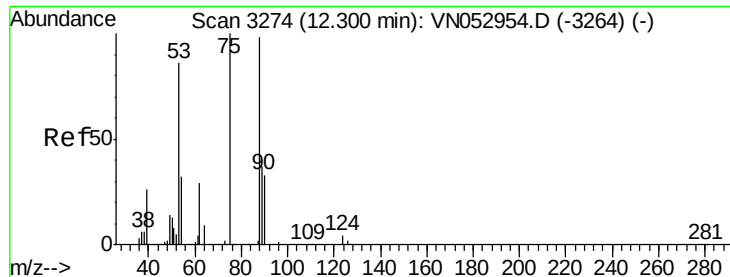
120 49.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.560 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0103WBS01

Tot Ion: 75 Resp: 51596

Ion Ratio Lower Upper

75 100

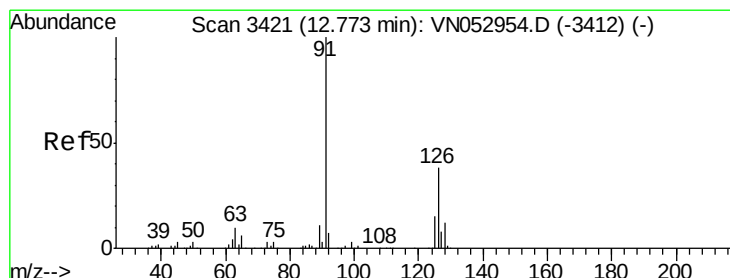
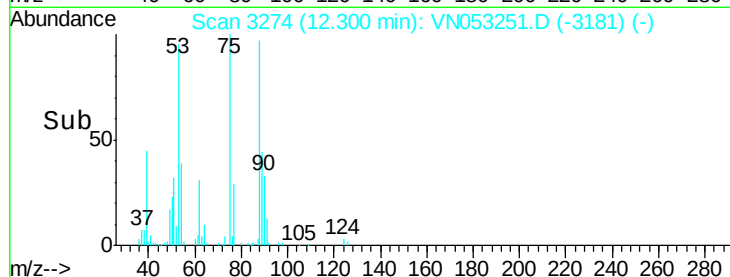
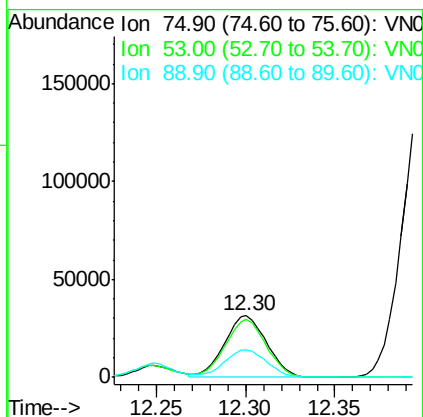
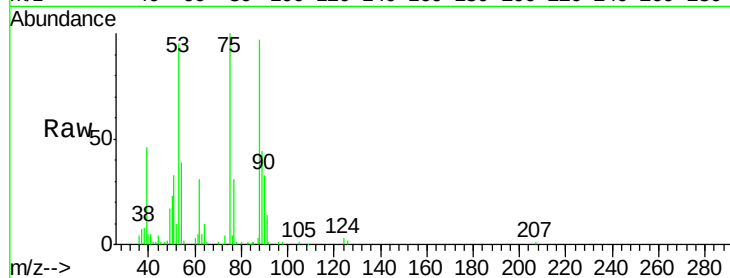
53 92.2 74.7 112.1

89 45.1 36.1 54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.935 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053251.D

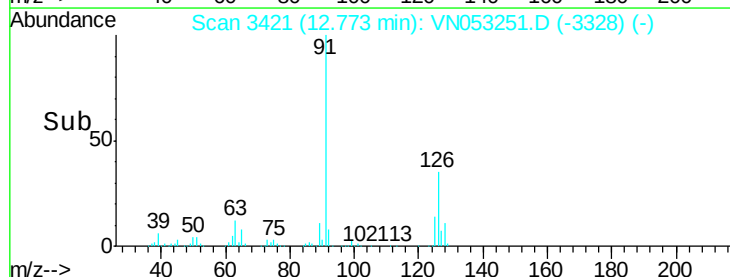
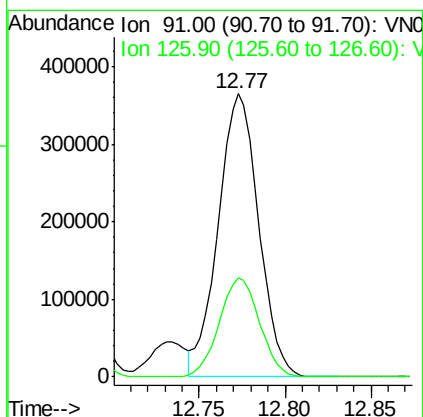
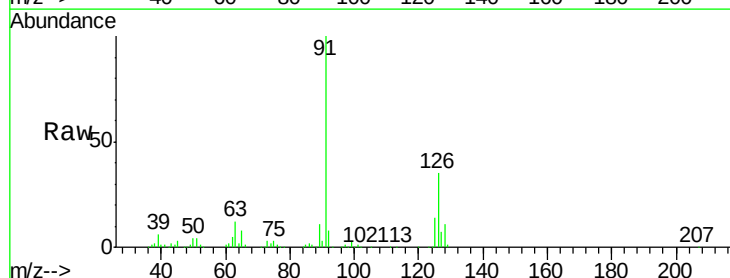
Acq: 3 Jan 2019 10:16

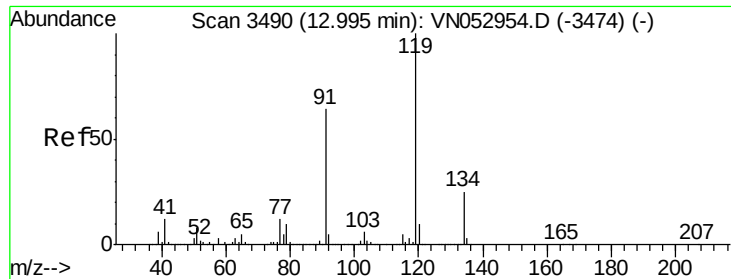
Tgt Ion: 91 Resp: 595858

Ion Ratio Lower Upper

91 100

126 35.0 17.3 51.7





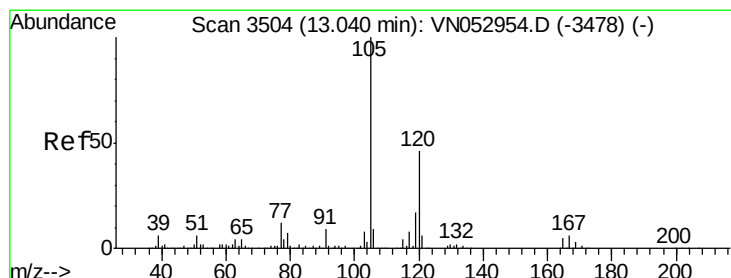
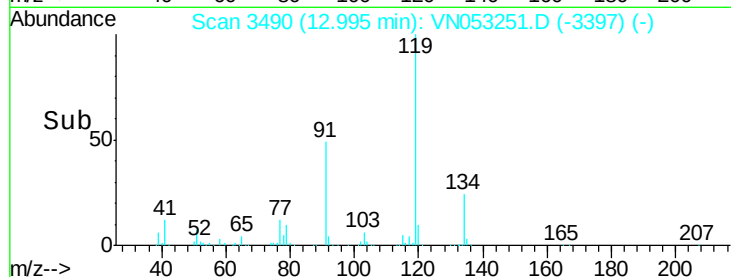
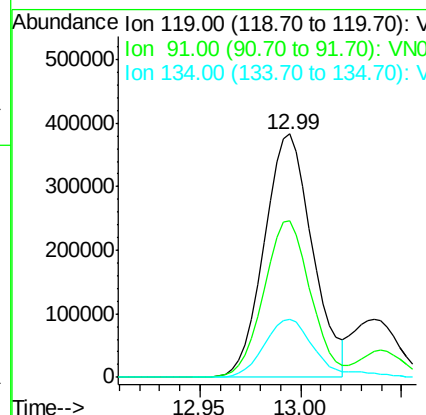
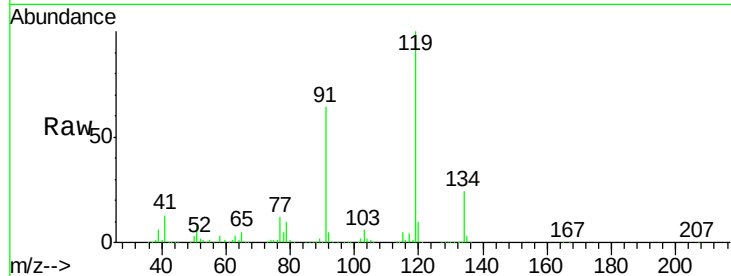
#83
 tert-Butylbenzene
 Concen: 23.533 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053251.D
 Acq: 3 Jan 2019 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0103WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	31.9	95.5
134	25.6	12.8	38.4

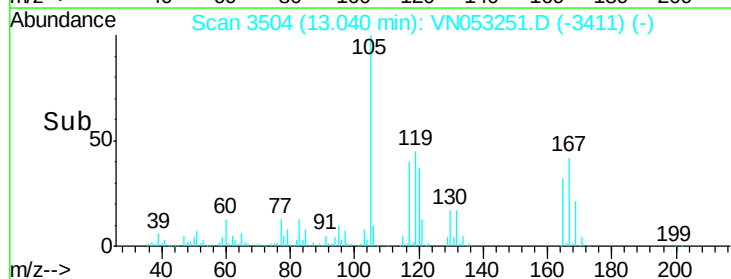
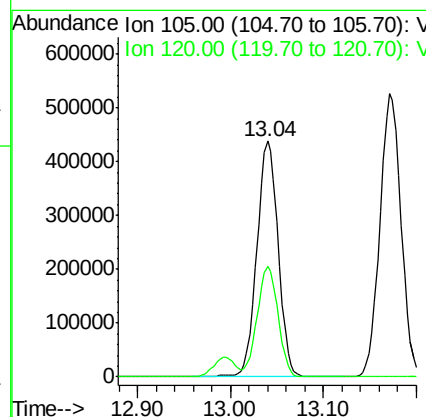
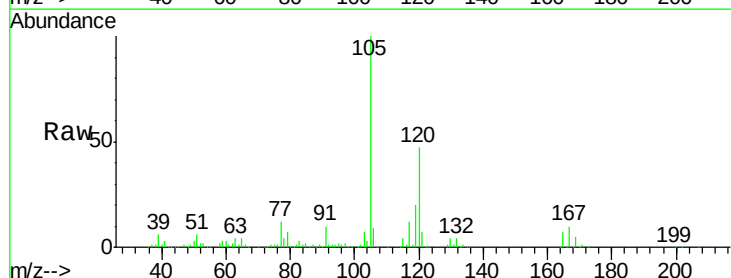
Manual Integrations
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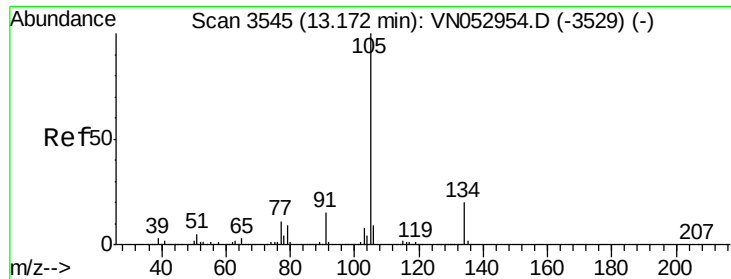
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.586 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053251.D
 Acq: 3 Jan 2019 10:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.9	68.8





#85

sec-Butylbenzene

Concen: 22.643 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0103WBS01

Tot Ion:105 Resp: 830013

Ion Ratio Lower Upper

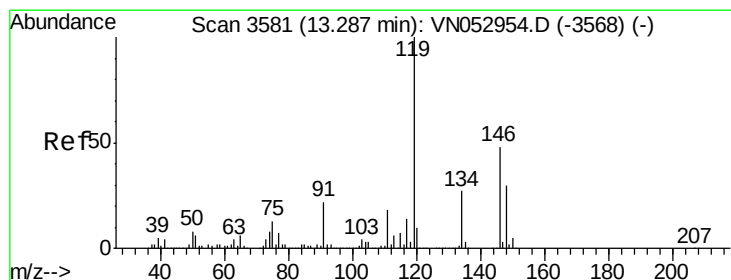
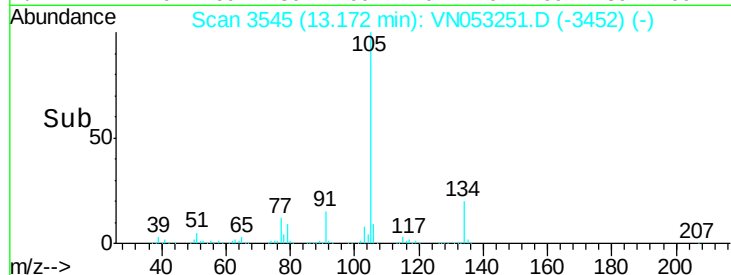
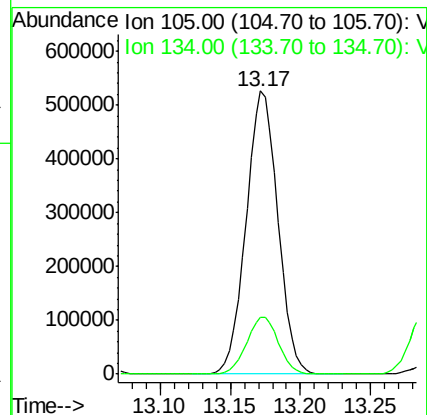
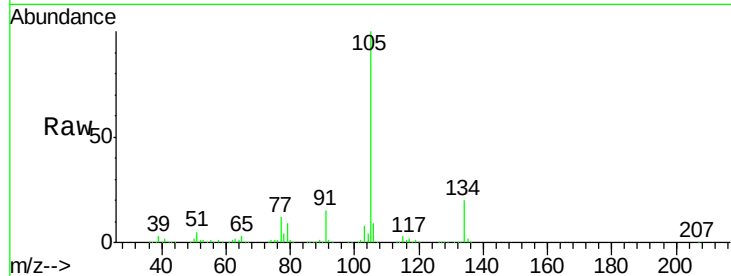
105 100

134 20.3 10.1 30.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 22.070 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

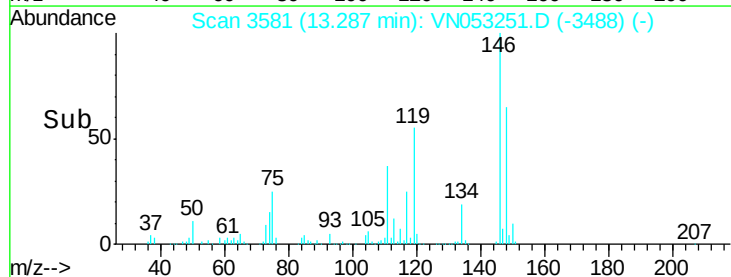
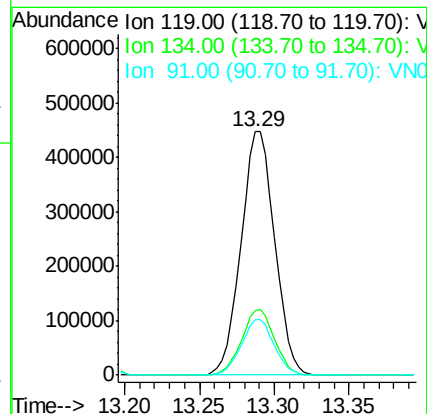
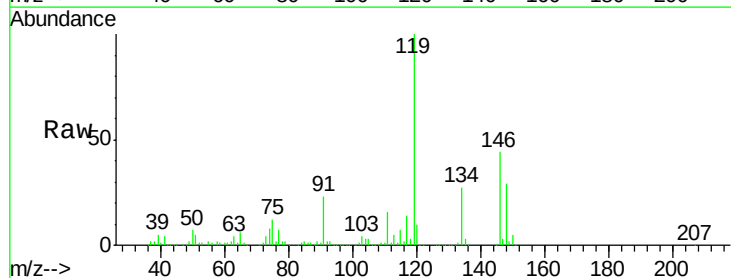
Tgt Ion:119 Resp: 699056

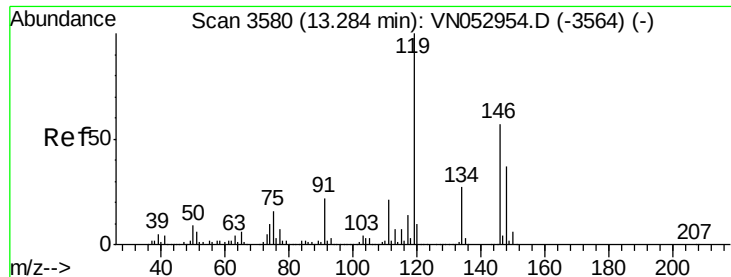
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 22.4 11.1 33.3





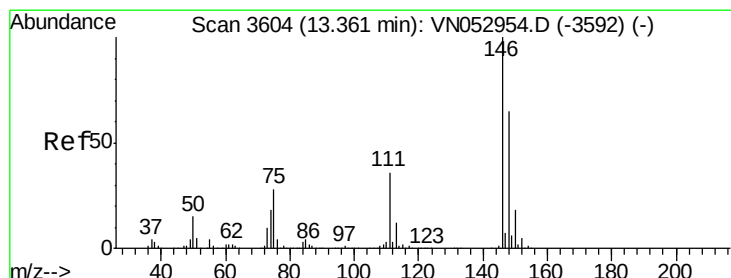
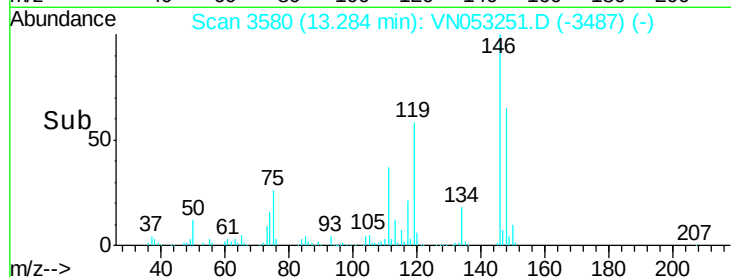
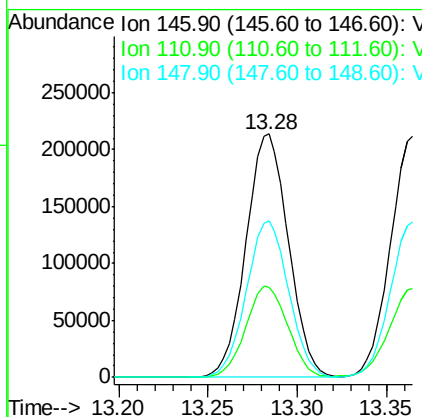
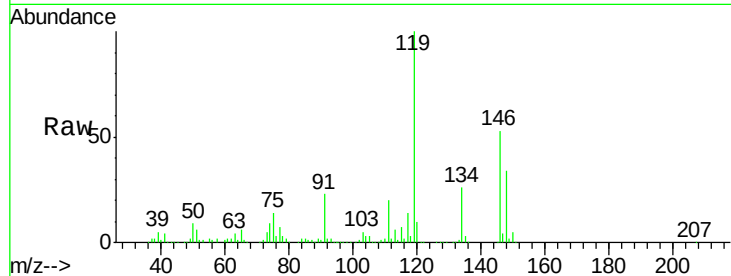
#87
 1,3-Dichlorobenzene
 Concen: 20.584 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053251.D
 Acq: 3 Jan 2019 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0103WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.1	57.1
148	64.2	32.0	96.0

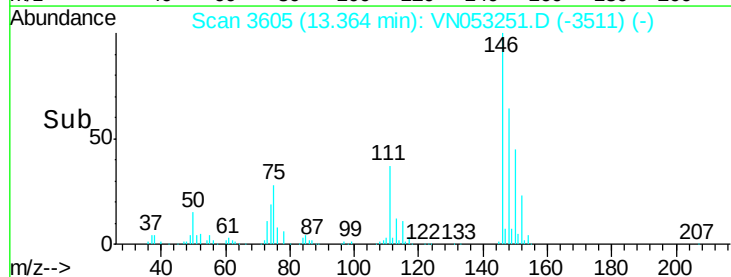
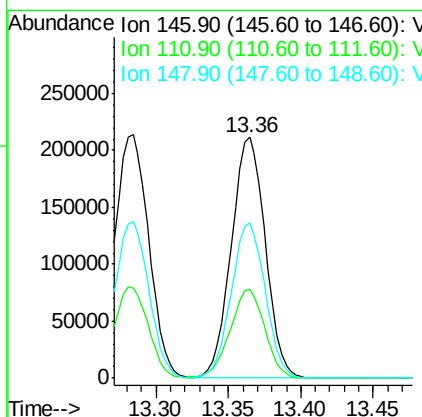
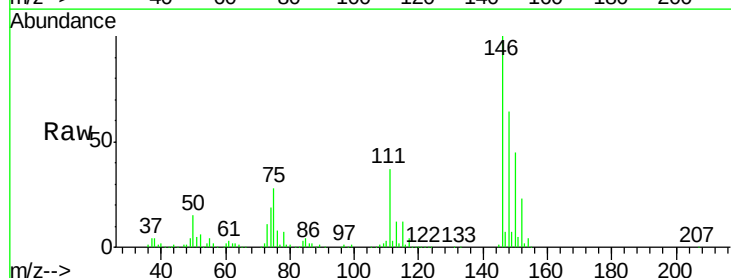
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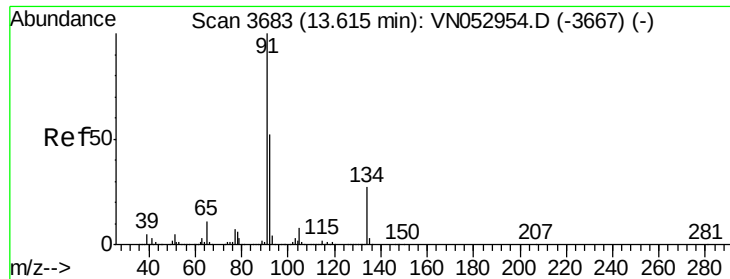
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#88
 1,4-Dichlorobenzene
 Concen: 19.680 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053251.D
 Acq: 3 Jan 2019 10:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.6	32.1	96.5





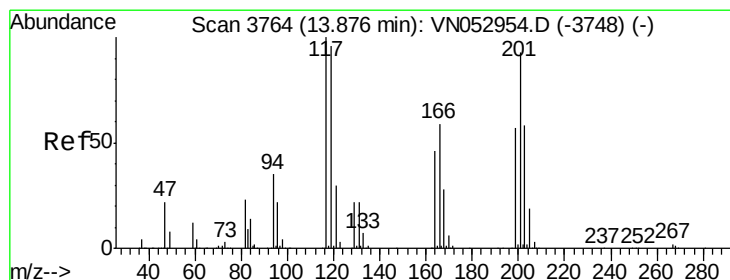
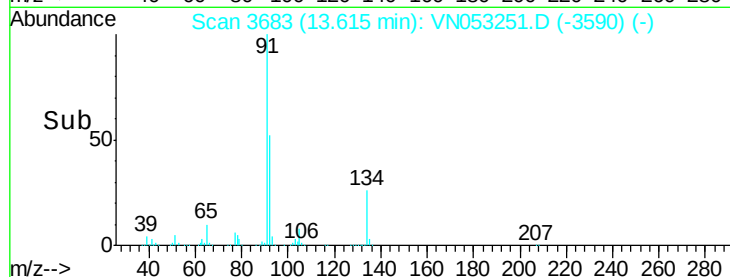
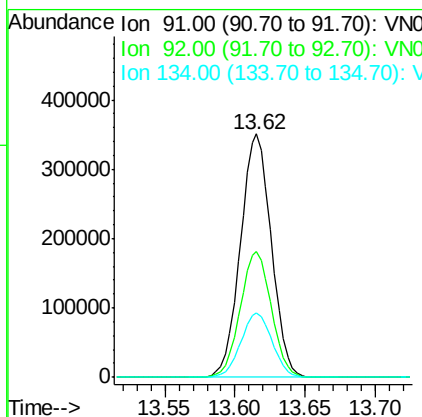
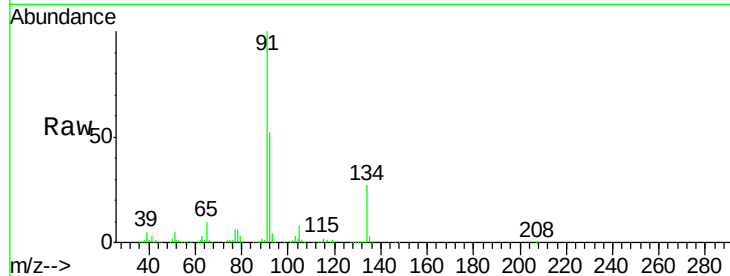
#89
n-Butylbenzene
Concen: 19.763 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0103WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.3	78.9
134	26.8	13.3	39.8

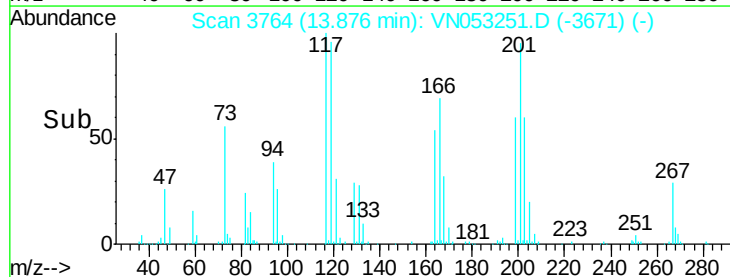
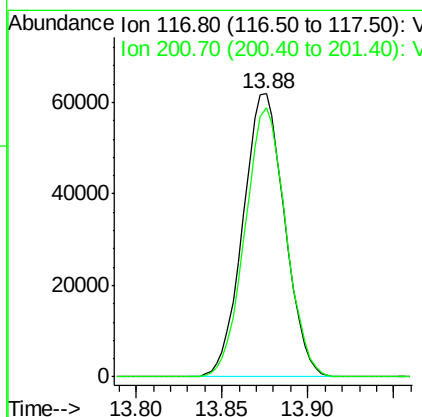
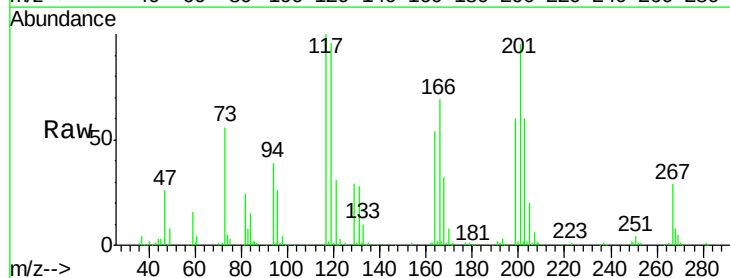
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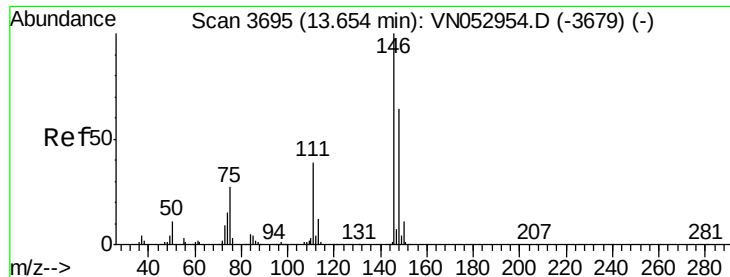
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#90
Hexachloroethane
Concen: 21.428 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053251.D
Acq: 3 Jan 2019 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.0	45.7	137.1





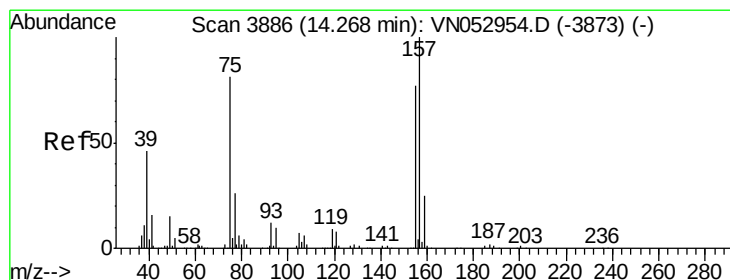
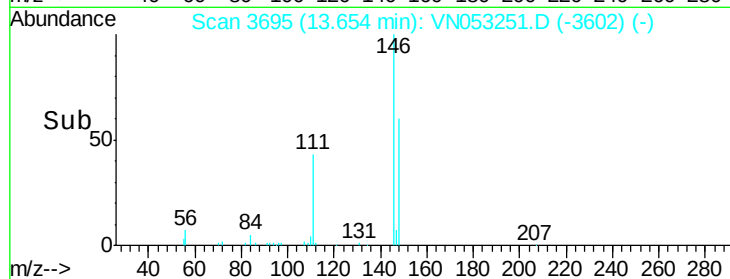
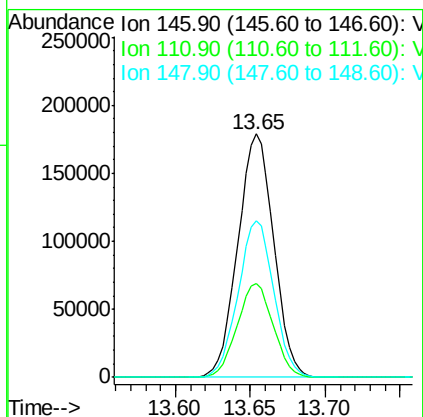
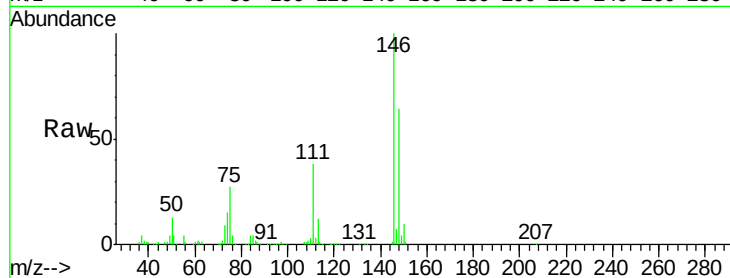
#91
 1,2-Dichlorobenzene
 Concen: 18.357 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053251.D
 Acq: 3 Jan 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0103WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	63.8	32.0	96.0

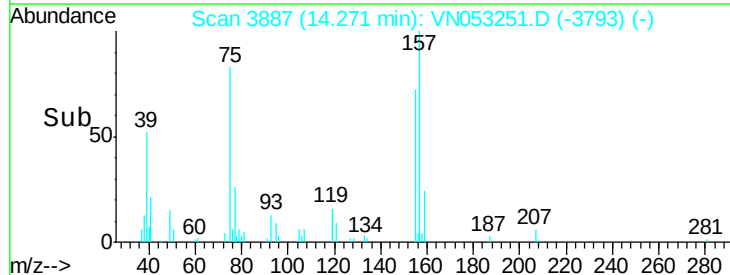
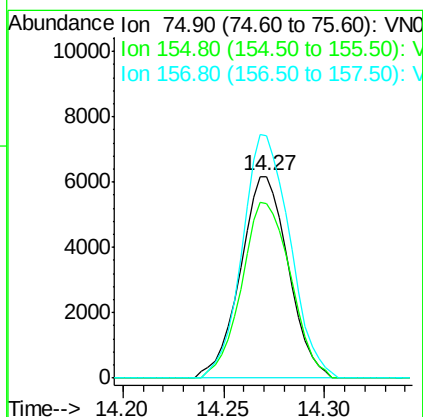
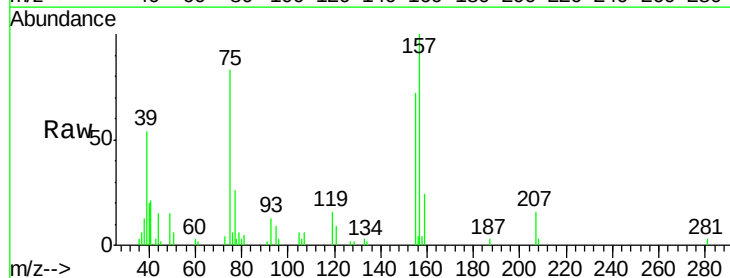
Manual Integrations
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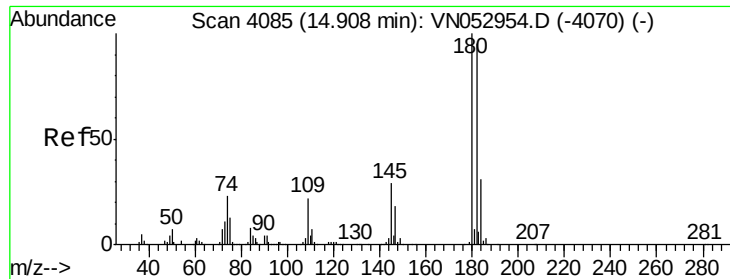
MMDadoda
 1/4/2019 12:38:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.045 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053251.D
 Acq: 3 Jan 2019 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.1	48.2	144.6
157	120.2	61.2	183.5





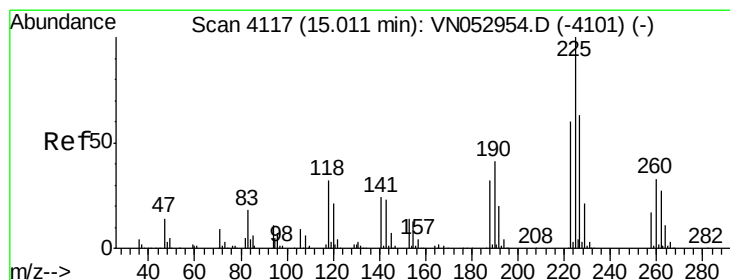
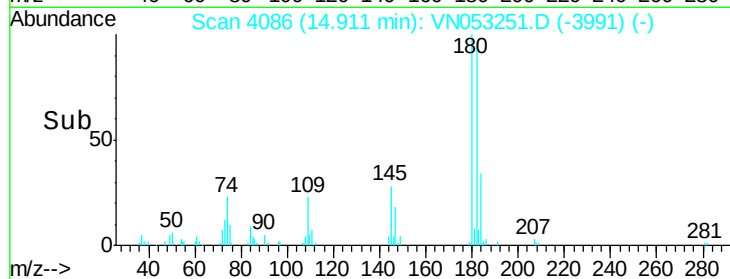
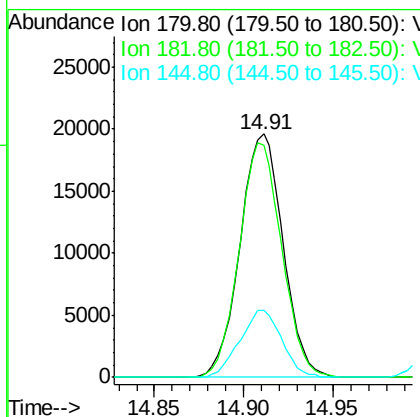
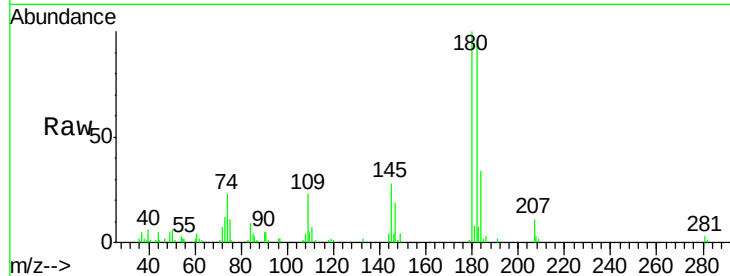
#93
 1,2,4-Trichlorobenzene
 Concen: 4.380 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053251.D
 Acq: 3 Jan 2019 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0103WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.8	143.3
145	26.8	14.2	42.6

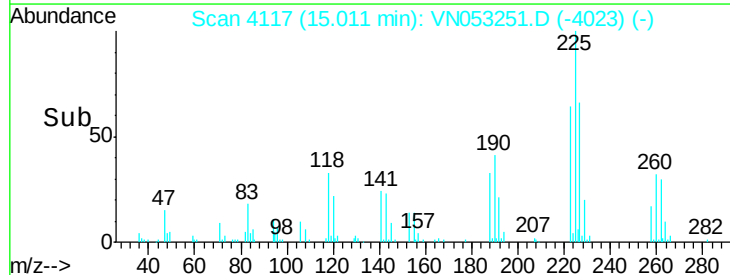
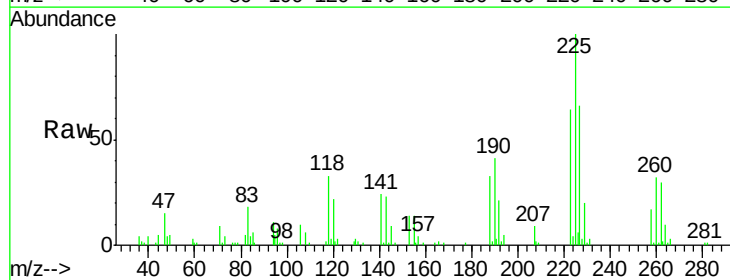
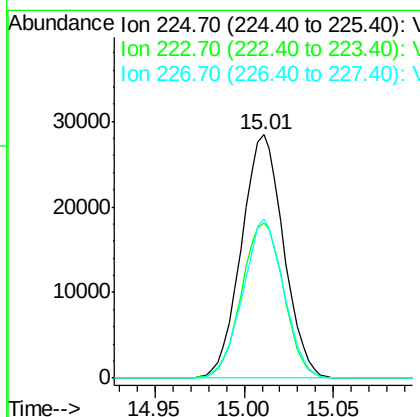
Manual Integrations
 APPROVED

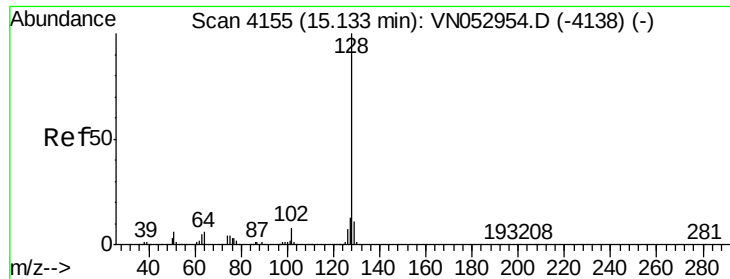
MMDadoda
 1/4/2019 12:38:58 PM



#94
 Hexachlorobutadiene
 Concen: 8.125 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053251.D
 Acq: 3 Jan 2019 10:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.5	94.5
227	63.2	31.9	95.7





#95

Naphthalene

Concen: 3.682 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Instrument :

MSVOA_N

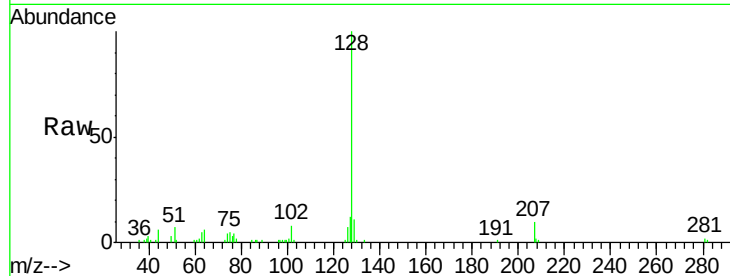
ClientSampled :

VN0103WBS01

Tot Ion:	128	Resp:	49015
Ion Ratio	Lower	Upper	
128	100		
127	11.6	10.2	15.4
129	10.2	8.6	13.0

Manual Integrations
APPROVED

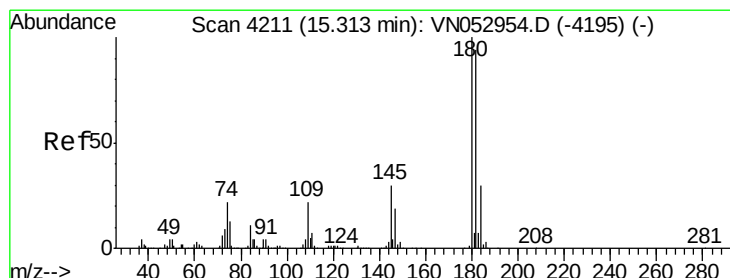
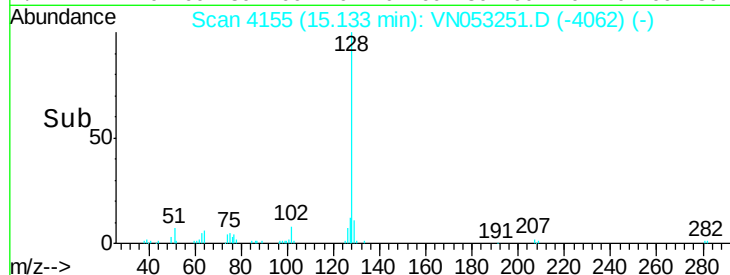
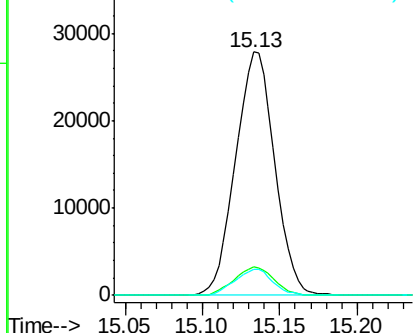
MMDadoda
1/4/2019 12:38:58 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.841 ug/l

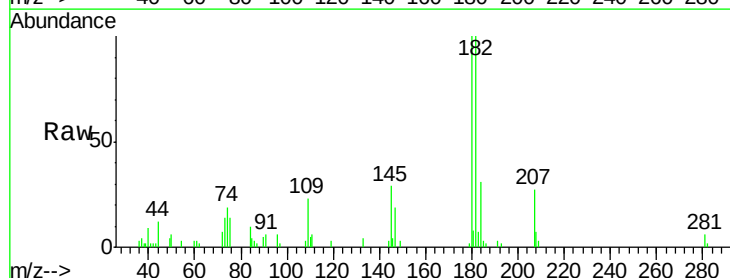
RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053251.D

Acq: 3 Jan 2019 10:16

Tgt Ion:	180	Resp:	18306
Ion Ratio	Lower	Upper	
180	100		
182	99.8	47.9	143.7
145	30.8	15.0	45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

