

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022819\
 Data File : VN053995.D
 Acq On : 28 Feb 2019 10:50
 Operator : JC/SP
 Sample : VN0228WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/1/2019 4:10:10 PM

Quant Time: Mar 01 04:16:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	732391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1176905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1031236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	476063	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	452127	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
35) Dibromofluoromethane	7.59	113	392901	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
50) Toluene-d8	10.09	98	1488769	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.40	95	498664	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	145420	21.574	ug/l	99
3) Chloromethane	2.06	50	198039	21.182	ug/l	98
4) Vinyl Chloride	2.19	62	194997	20.816	ug/l	99
5) Bromomethane	2.57	94	124376	20.048	ug/l	99
6) Chloroethane	2.71	64	121041	20.776	ug/l	97
7) Trichlorofluoromethane	3.02	101	252129	21.068	ug/l	100
8) Diethyl Ether	3.41	74	92726	20.681	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	163806	21.672	ug/l	93
10) Methyl Iodide	3.96	142	206796	20.822	ug/l	97
11) Tert butyl alcohol	4.78	59	57492	105.635	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	148275	20.509	ug/l	94
13) Acrolein	3.61	56	47890	84.989	ug/l	99
14) Allyl chloride	4.32	41	275648	21.738	ug/l	95
15) Acrylonitrile	4.99	53	310768	108.339	ug/l	99
16) Acetone	3.81	43	296510	124.361	ug/l	96
17) Carbon Disulfide	4.06	76	470816	20.186	ug/l	98
18) Methyl Acetate	4.32	43	132996	22.154	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	412415	21.264	ug/l	98
20) Methylene Chloride	4.55	84	177600	20.901	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	163992	20.957	ug/l	92
22) Diisopropyl ether	5.95	45	543579	22.220	ug/l	96
23) Vinyl Acetate	5.89	43	1895325	107.698	ug/l	95
24) 1,1-Dichloroethane	5.85	63	319178	21.276	ug/l	97
25) 2-Butanone	6.83	43	376943	111.819	ug/l	95
26) 2,2-Dichloropropane	6.82	77	239963	22.514	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	184720	21.226	ug/l	94
28) Bromochloromethane	7.19	49	158055	23.017	ug/l #	80
29) Tetrahydrofuran	7.21	42	239226	106.566	ug/l	92
30) Chloroform	7.37	83	310955	21.376	ug/l	99
31) Cyclohexane	7.65	56	304683	21.963	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	257156	21.440	ug/l	97
36) 1,1-Dichloropropene	7.79	75	239252	21.860	ug/l	97
37) Ethyl Acetate	6.93	43	159115	20.360	ug/l #	92
38) Carbon Tetrachloride	7.77	117	228347	20.060	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	282481	21.413	ug/l	94
40) Benzene	8.04	78	708726	21.079	ug/l	99
41) Methacrylonitrile	7.19	41	104875m	20.841	ug/l	
42) 1,2-Dichloroethane	8.12	62	223017	21.424	ug/l	98
43) Isopropyl Acetate	8.16	43	268349	20.337	ug/l	94
44) Trichloroethene	8.83	130	190262	21.345	ug/l	95
45) 1,2-Dichloropropane	9.12	63	193121	21.289	ug/l	99
46) Dibromomethane	9.21	93	111854	21.239	ug/l	92
47) Bromodichloromethane	9.40	83	238077	21.451	ug/l	99
48) Methyl methacrylate	9.20	41	128897	21.237	ug/l	92
49) 1,4-Dioxane	9.20	88	36470	443.649	ug/l #	93
51) 4-Methyl-2-Pentanone	9.98	43	744311	109.772	ug/l	95
52) Toluene	10.16	92	424998	21.466	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	232520	21.532	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	273381	21.475	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	156792	21.206	ug/l	98
56) Ethyl methacrylate	10.43	69	186718	20.461	ug/l	90
57) 1,3-Dichloropropane	10.71	76	268753	21.512	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	440722	105.942	ug/l	95
59) 2-Hexanone	10.75	43	489353	110.967	ug/l	92
60) Dibromochloromethane	10.90	129	172940	21.046	ug/l	99
61) 1,2-Dibromoethane	11.00	107	148247	20.785	ug/l	100
64) Tetrachloroethene	10.63	164	186924	21.406	ug/l	97
65) Chlorobenzene	11.43	112	453643	20.844	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	166167	21.185	ug/l	100
67) Ethyl Benzene	11.51	91	780036	21.379	ug/l	98
68) m/p-Xylenes	11.62	106	600688	43.621	ug/l	96
69) o-Xylene	11.95	106	284727	21.043	ug/l	98
70) Styrene	11.96	104	465559	22.370	ug/l	98
71) Bromoform	12.13	173	114275	20.942	ug/l #	99
73) Isopropylbenzene	12.25	105	760035	20.509	ug/l	99
74) N-amyl acetate	12.07	43	202210	20.819	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	186423	20.117	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	166852m	21.848	ug/l	
77) Bromobenzene	12.53	156	190209	20.216	ug/l	90
78) n-propylbenzene	12.59	91	901980	21.402	ug/l	98
79) 2-Chlorotoluene	12.67	91	529858	20.929	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	652354	21.503	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	48004	19.867	ug/l	89
82) 4-Chlorotoluene	12.77	91	538794	21.533	ug/l	96
83) tert-Butylbenzene	12.99	119	560631	20.894	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	653454	21.575	ug/l	99
85) sec-Butylbenzene	13.17	105	781298	21.319	ug/l	98
86) p-Isopropyltoluene	13.29	119	670774	21.651	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	339006	20.828	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	329861	20.889	ug/l	98
89) n-Butylbenzene	13.62	91	582052	22.292	ug/l	98
90) Hexachloroethane	13.87	117	116999	19.488	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	326027	20.693	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27149	20.731	ug/l	86

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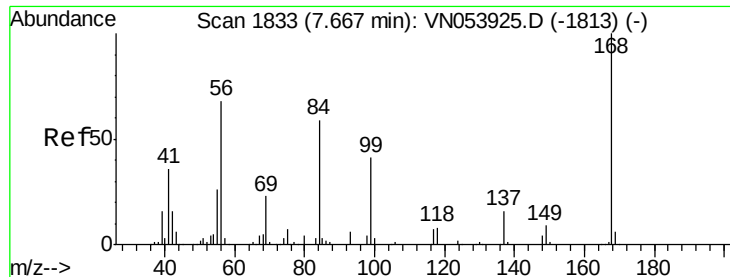
Manual Integrations
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3/1/2019 4:10:10 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	161259	19.832	ug/l	99
94) Hexachlorobutadiene	15.01	225	125253	22.007	ug/l	98
95) Naphthalene	15.13	128	298759	18.043	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	154797	19.426	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: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN0228WBS01

Tot Ion:168 Resp: 732391

Ion Ratio Lower Upper

168 100

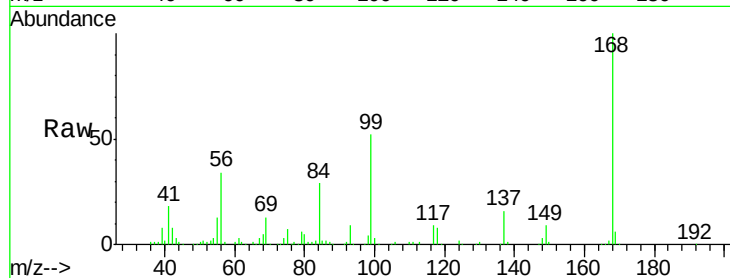
99 50.2 36.9 55.3

Manual Integrations

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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

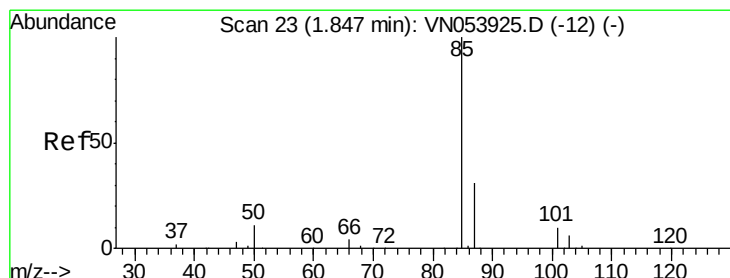
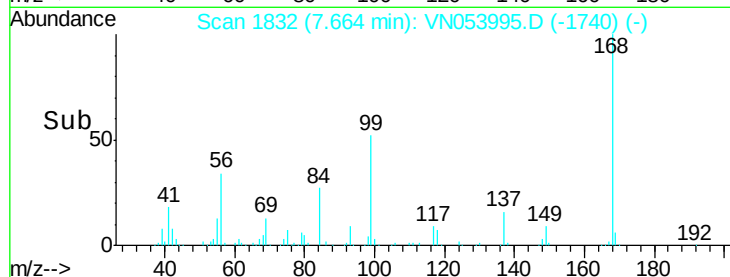
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.574 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053995.D

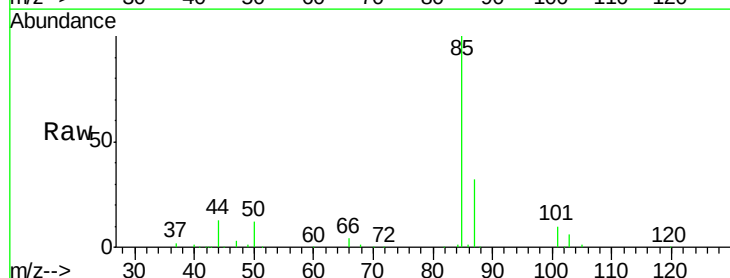
Acq: 28 Feb 2019 10:50

Tgt Ion: 85 Resp: 145420

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

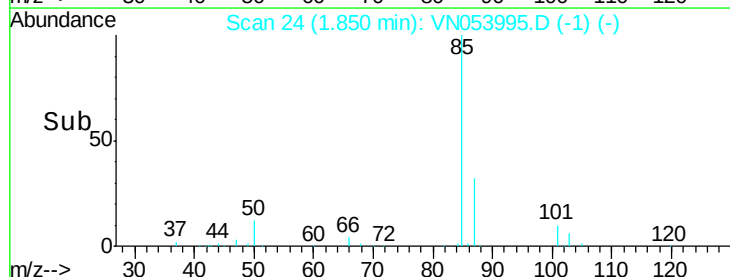
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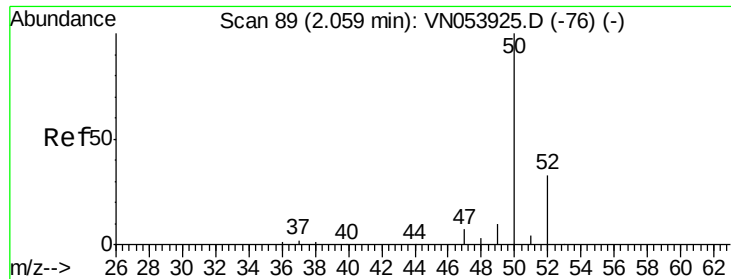
40000

20000

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Time-->





#3

Chloromethane

Concen: 21.182 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN0228WBS01

Tot Ion: 50 Resp: 198039

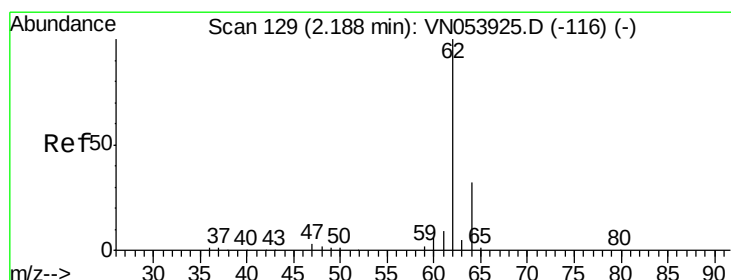
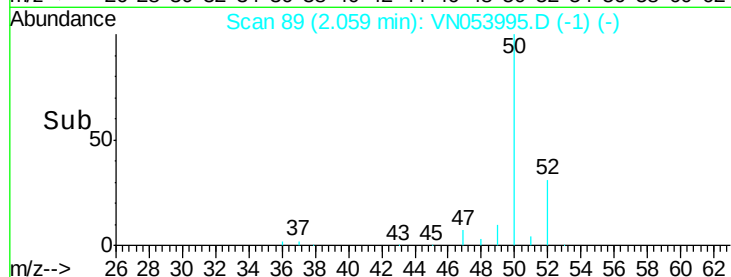
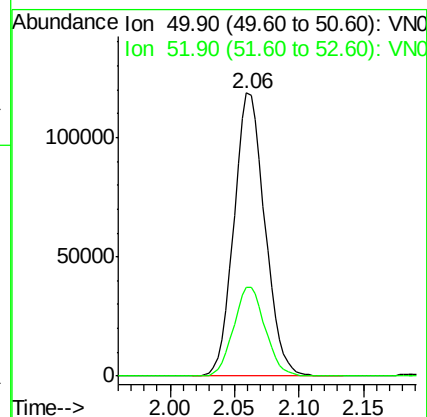
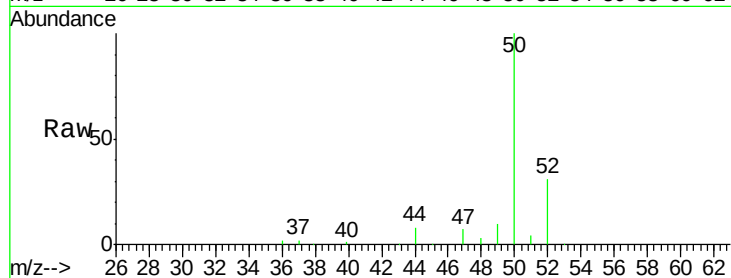
Ion Ratio Lower Upper

50 100

52 31.4 26.0 39.0

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#4

Vinyl Chloride

Concen: 20.816 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053995.D

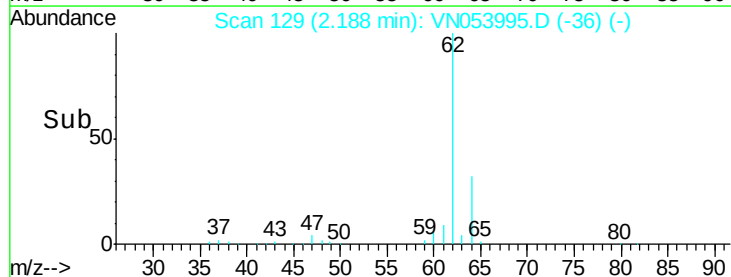
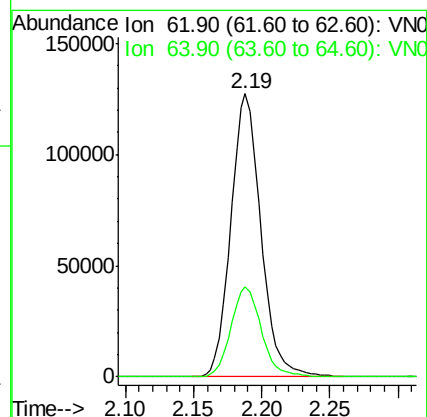
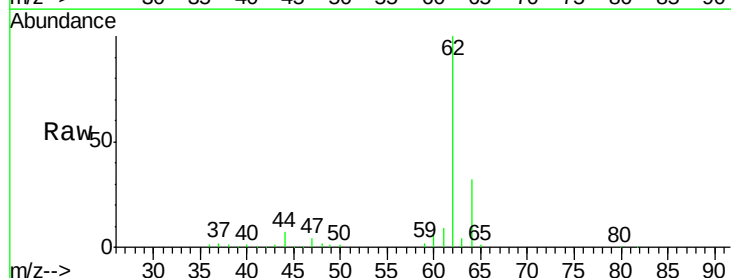
Acq: 28 Feb 2019 10:50

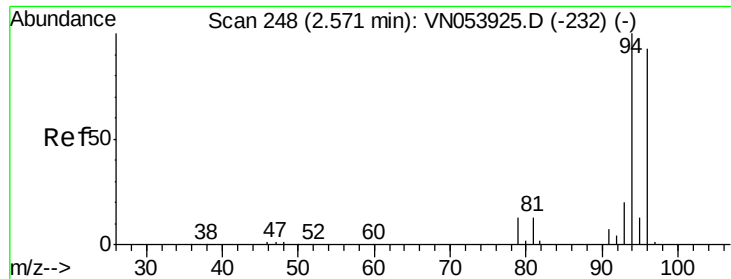
Tgt Ion: 62 Resp: 194997

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7





#5

Bromomethane

Concen: 20.048 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN0228WBS01

Tot Ion: 94 Resp: 124376

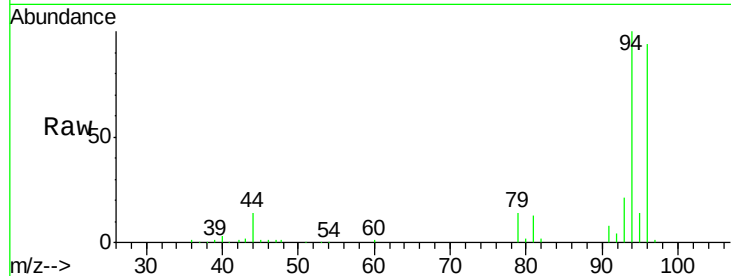
Ion Ratio Lower Upper

94 100

96 94.3 74.9 112.3

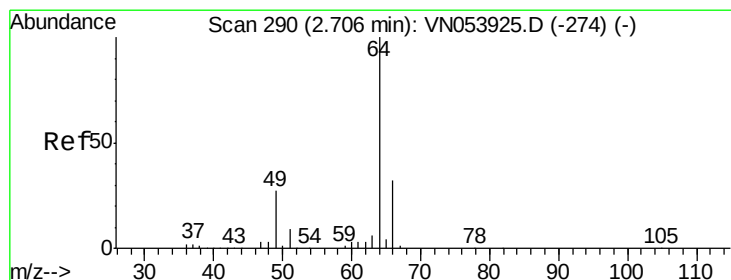
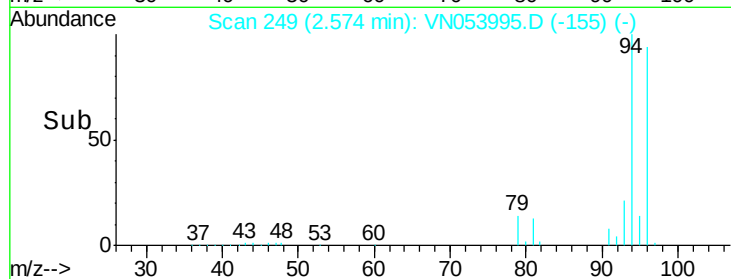
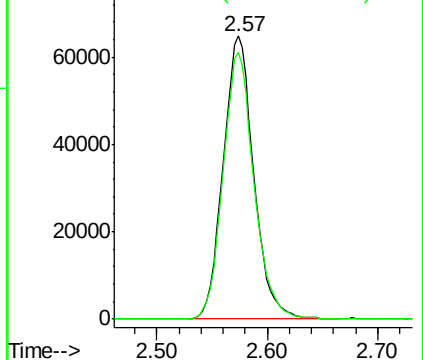
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.776 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053995.D

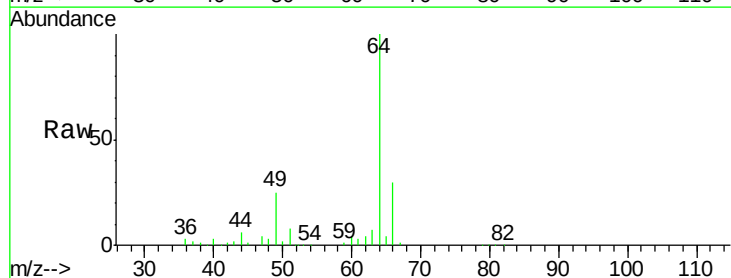
Acq: 28 Feb 2019 10:50

Tgt Ion: 64 Resp: 121041

Ion Ratio Lower Upper

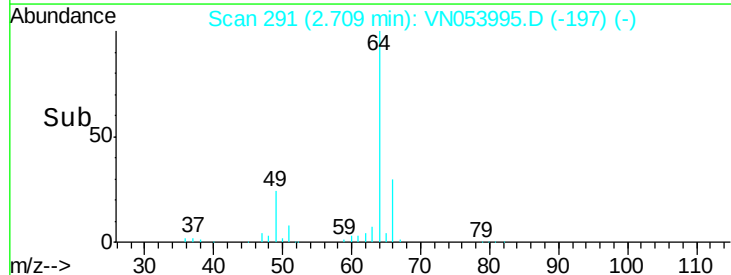
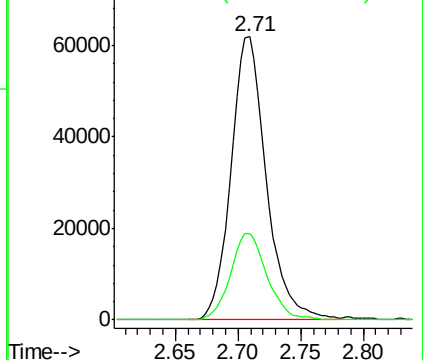
64 100

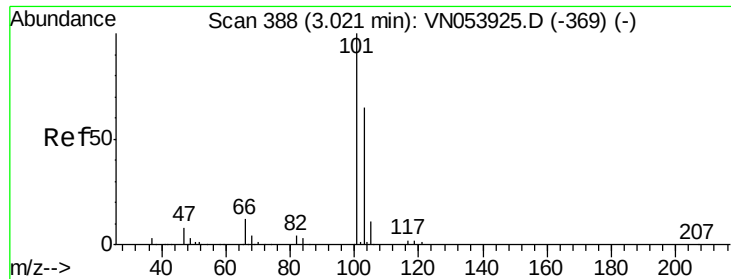
66 30.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

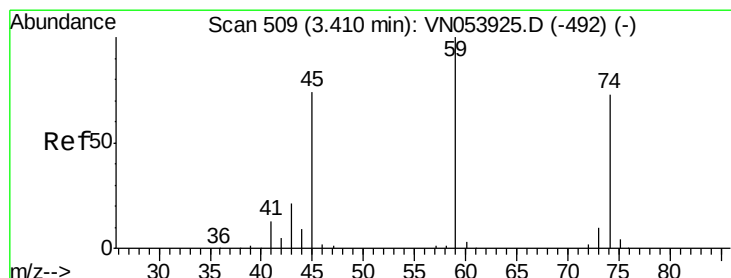
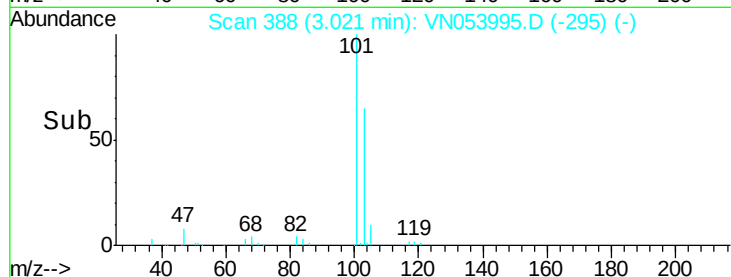
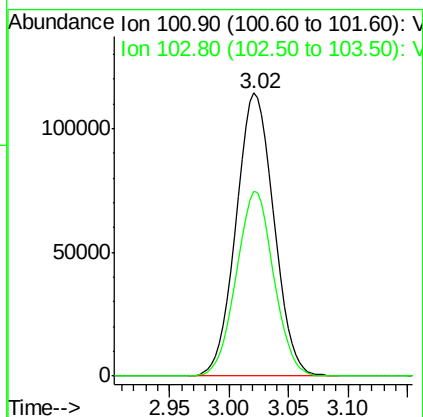
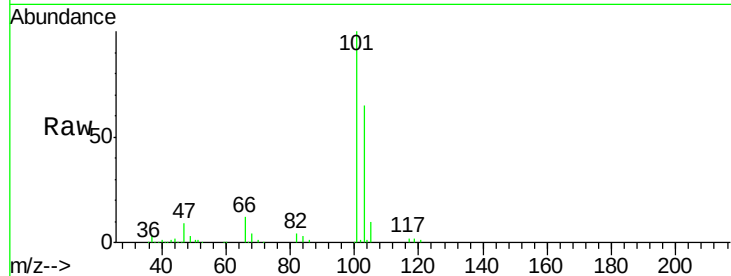
Trichlorofluoromethane
 Concen: 21.068 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0228WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	252129		
103	65.1		51.9	77.9

Manual Integrations
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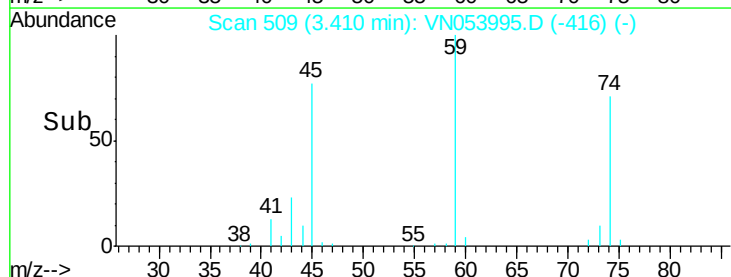
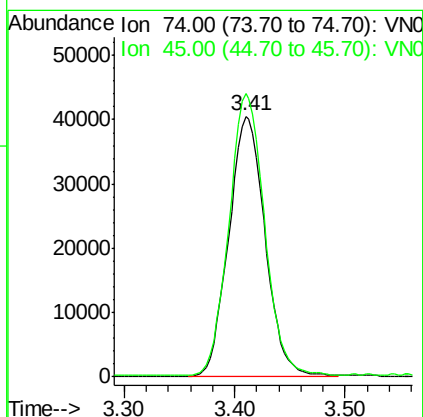
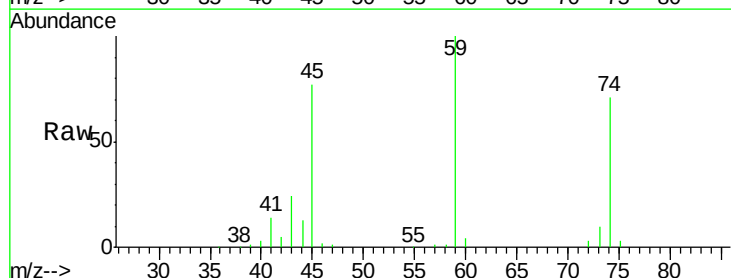
MMDadoda
 3/1/2019 4:10:10 PM

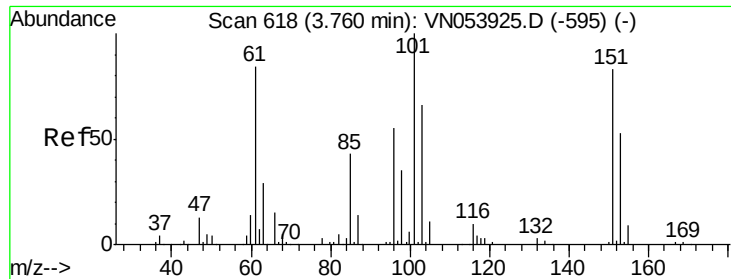


#8

Diethyl Ether
 Concen: 20.681 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	92726		
45	105.5		46.9	140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.672 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

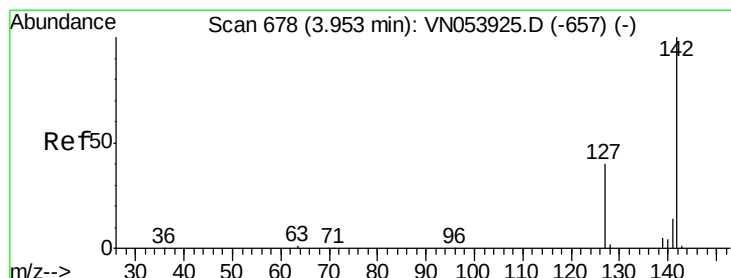
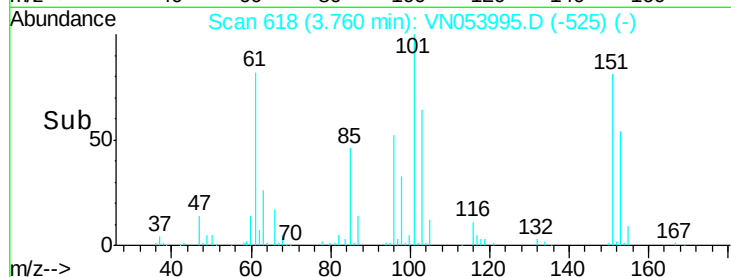
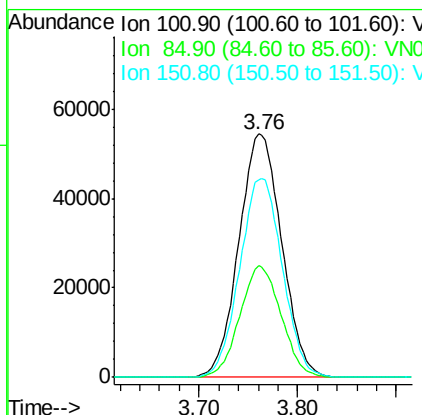
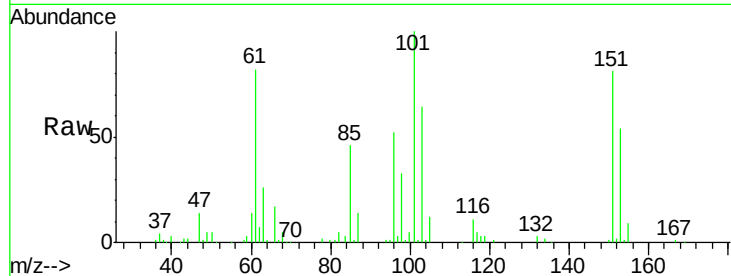
ClientSampleId :

VN0228WBS01

Tot Ion:	101	Resp:	163806
Ion Ratio	Lower	Upper	
101	100		
85	44.2	32.5	48.7
151	81.3	70.2	105.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.822 ug/l

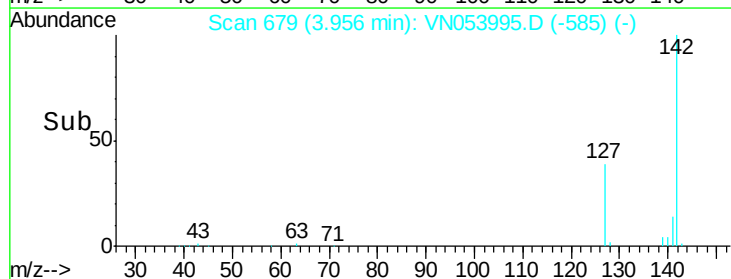
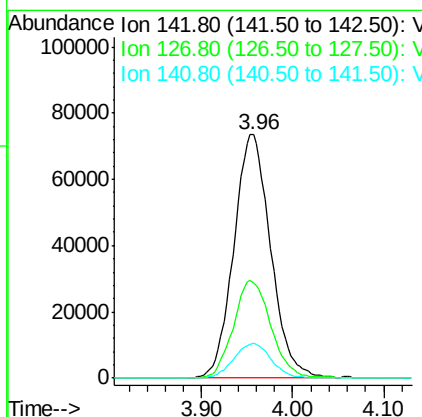
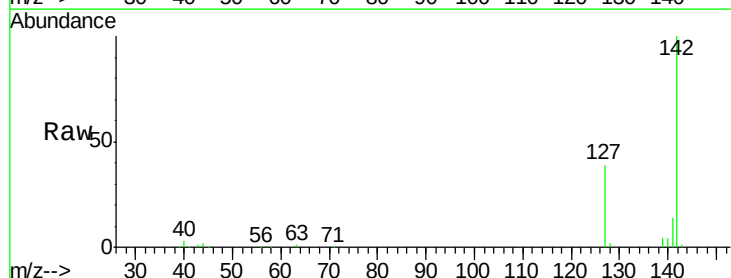
RT: 3.96 min Scan# 679

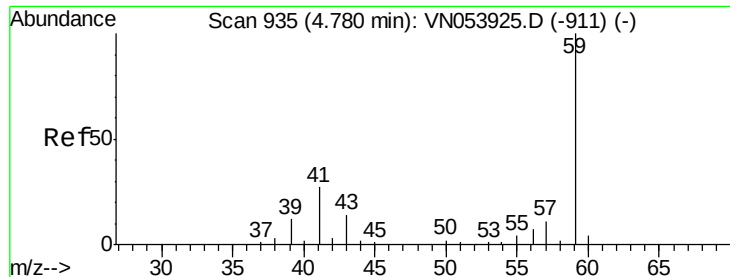
Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Tgt Ion:	142	Resp:	206796
Ion Ratio	Lower	Upper	
142	100		
127	41.0	31.0	46.4
141	14.5	11.3	16.9





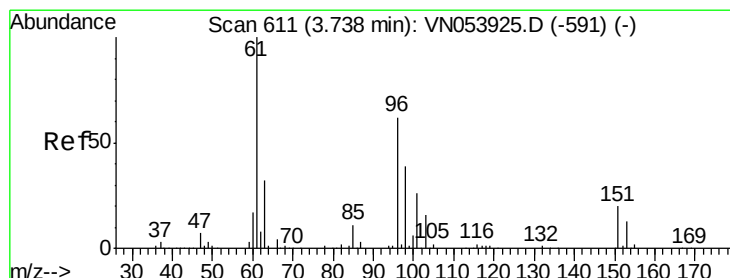
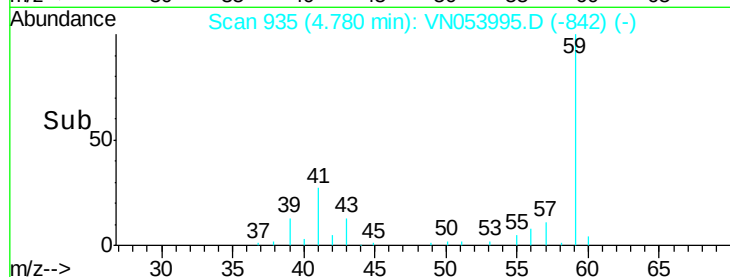
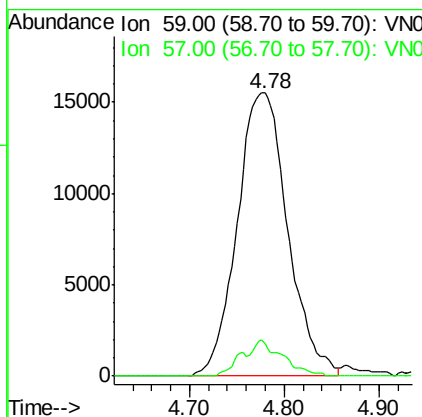
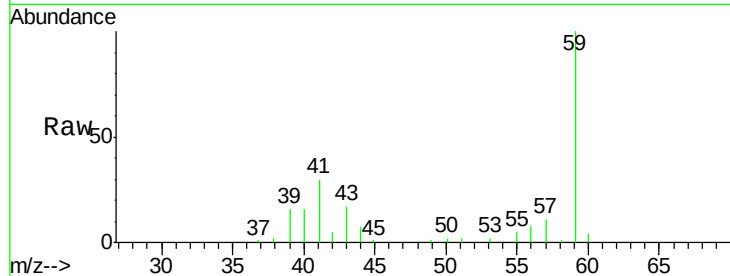
#11
Tert butyl alcohol
Concen: 105.635 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampled :
VN0228WBS01

Tot Ion: 59 Resp: 57492
Ion Ratio Lower Upper
59 100
57 7.4 8.1 12.1#

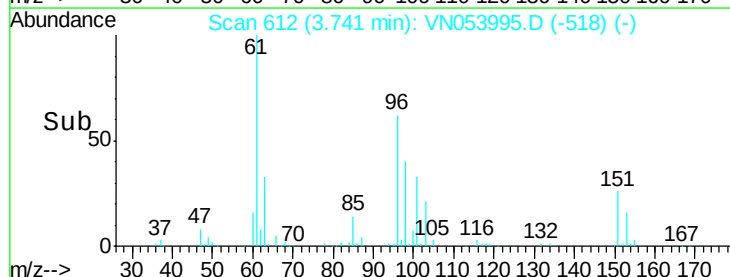
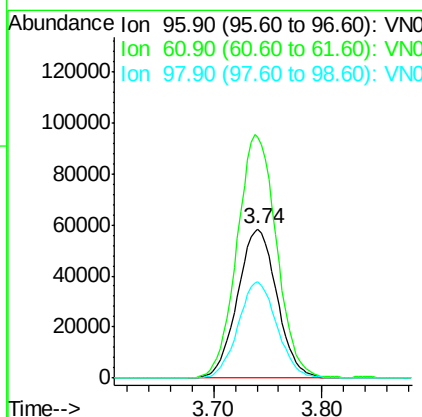
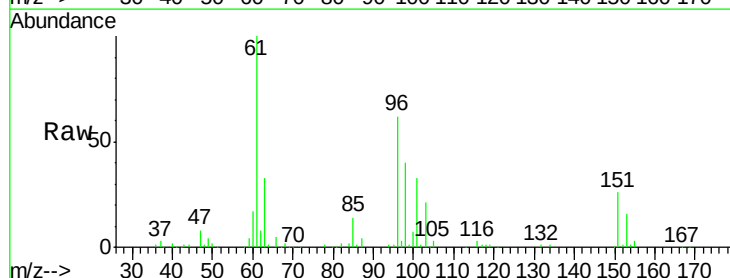
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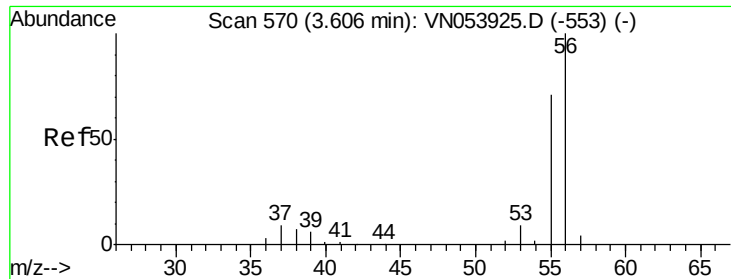
MMDadoda
3/1/2019 4:10:10 PM



#12
1,1-Dichloroethene
Concen: 20.509 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion: 96 Resp: 148275
Ion Ratio Lower Upper
96 100
61 162.1 121.0 181.4
98 64.5 52.2 78.2





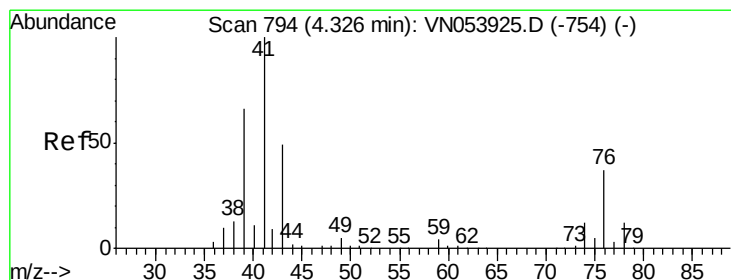
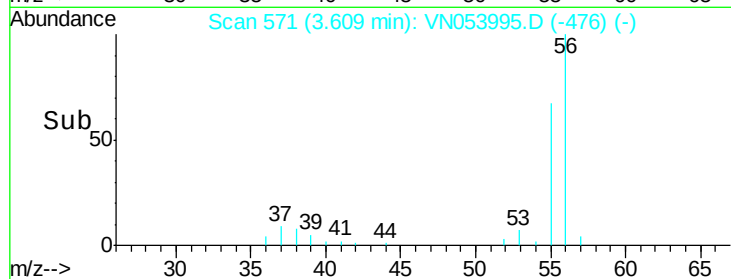
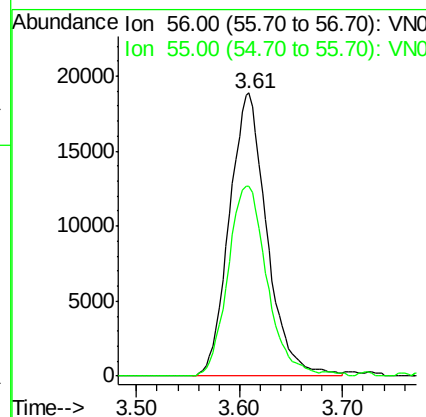
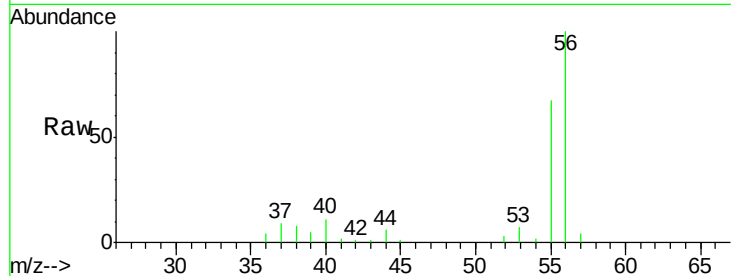
#13
Acrolein
Concen: 84.989 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	69.3	56.3	84.5	

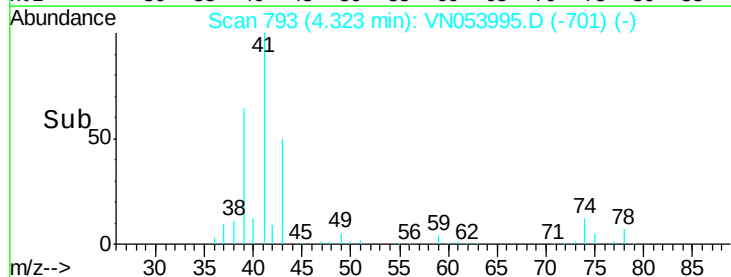
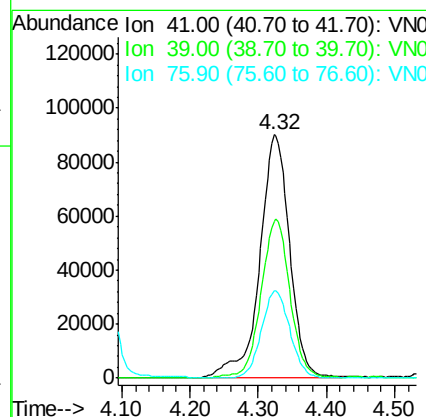
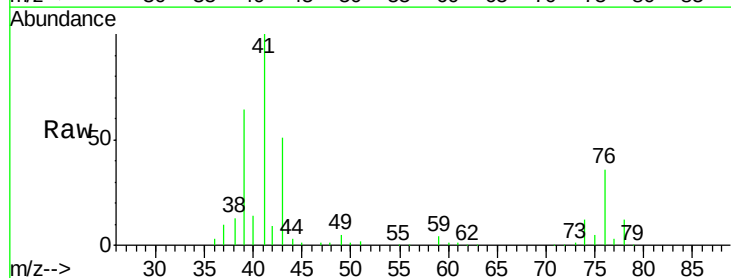
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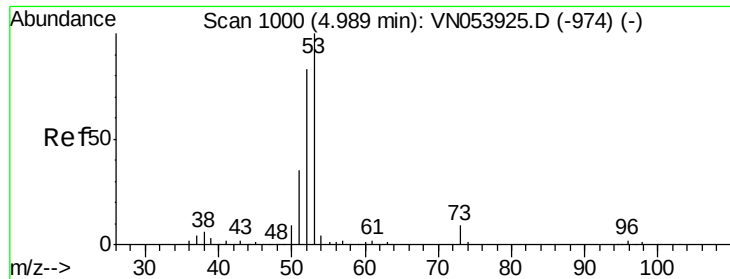
MMDadoda
3/1/2019 4:10:10 PM



#14
Allyl chloride
Concen: 21.738 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.9	48.8	73.2	
76	33.4	30.9	46.3	





#15

Acrylonitrile

Concen: 108.339 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

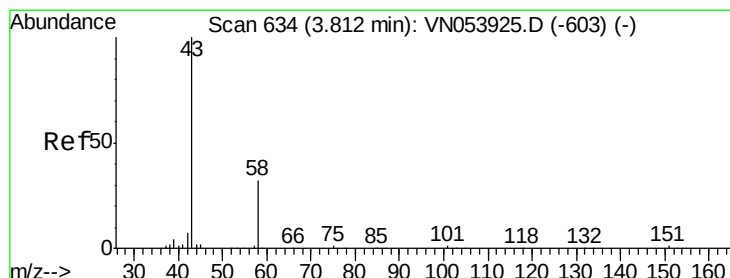
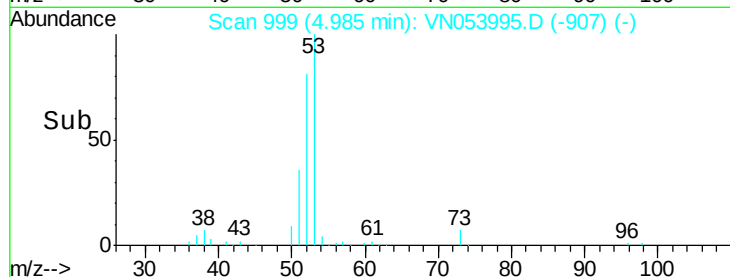
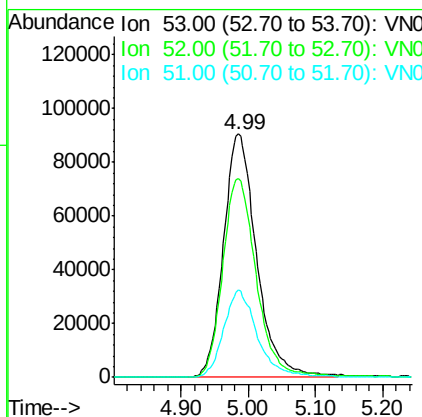
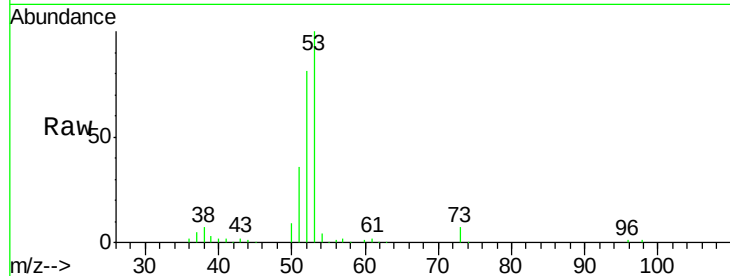
ClientSampleId :

VN0228WBS01

Tot Ion:	53	Resp:	310768
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.1	97.7
51	36.3	28.2	42.4

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#16

Acetone

Concen: 124.361 ug/l

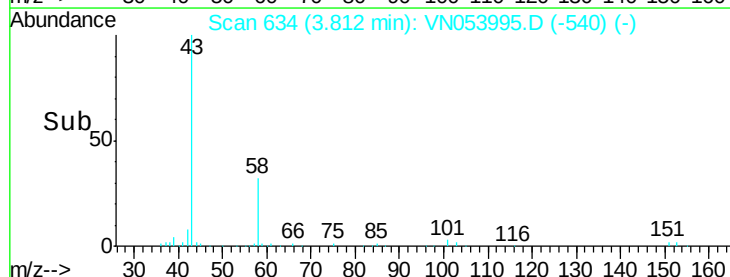
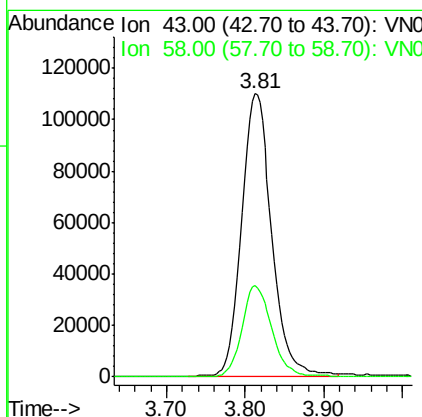
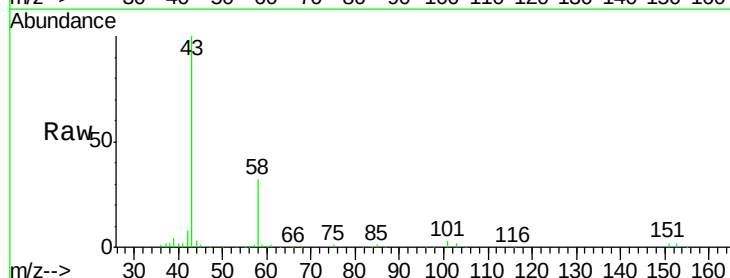
RT: 3.81 min Scan# 634

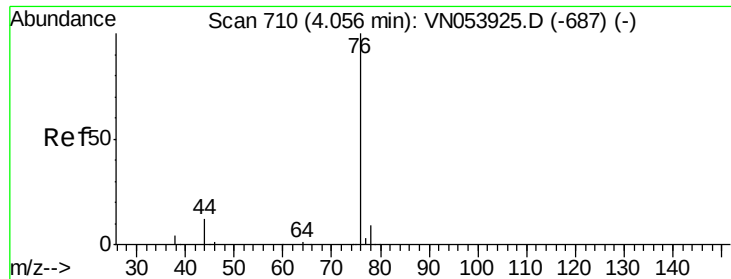
Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Tgt Ion:	43	Resp:	296510
Ion	Ratio	Lower	Upper
43	100		
58	32.2	27.6	41.4





#17

Carbon Disulfide

Concen: 20.186 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Tot Ion: 76 Resp: 470816

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3

Instrument :

MSVOA_N

ClientSampled :

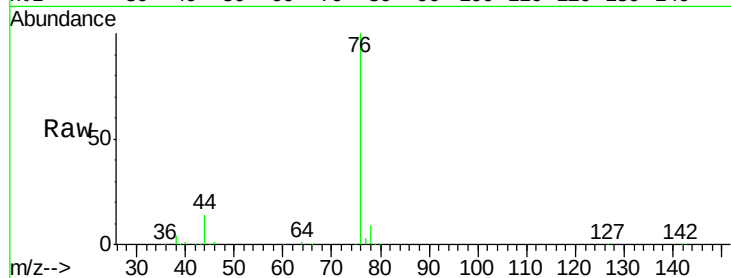
VN0228WBS01

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

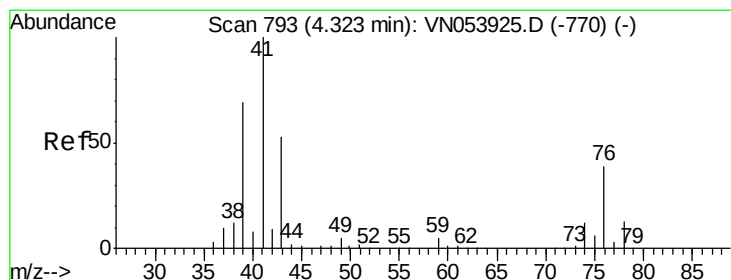
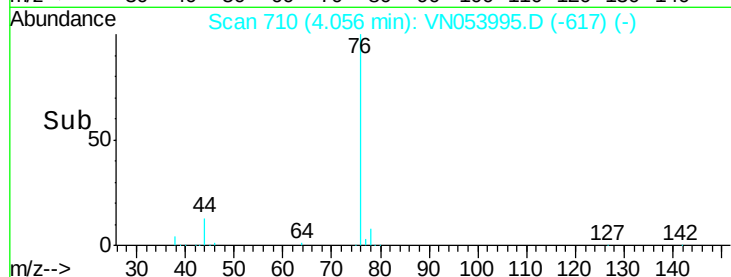
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.154 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053995.D

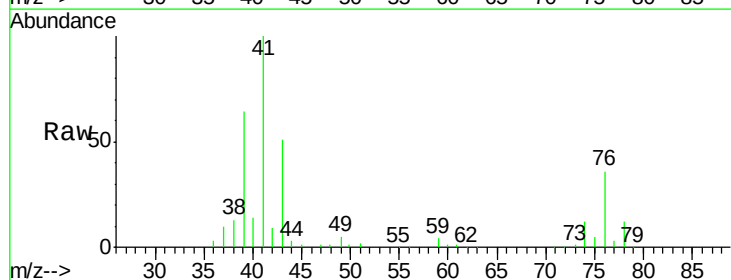
Acq: 28 Feb 2019 10:50

Tgt Ion: 43 Resp: 132996

Ion Ratio Lower Upper

43 100

74 22.4 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

50000

40000

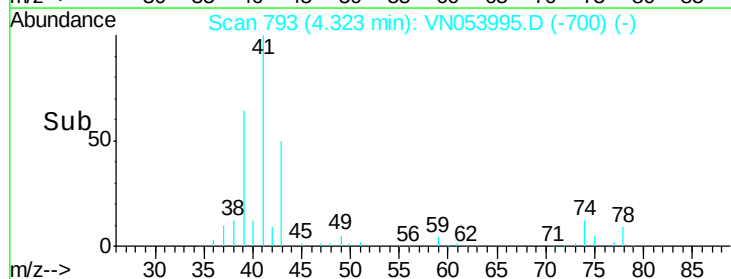
30000

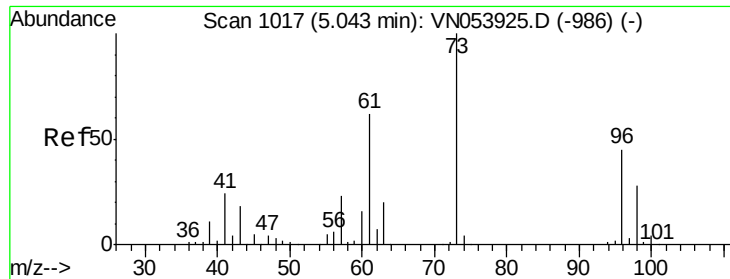
20000

10000

0

Time-->





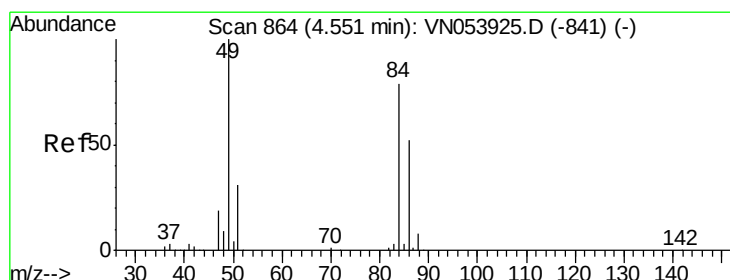
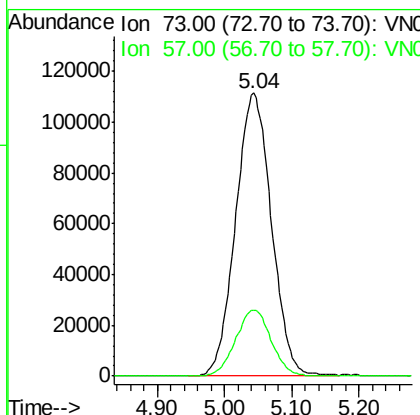
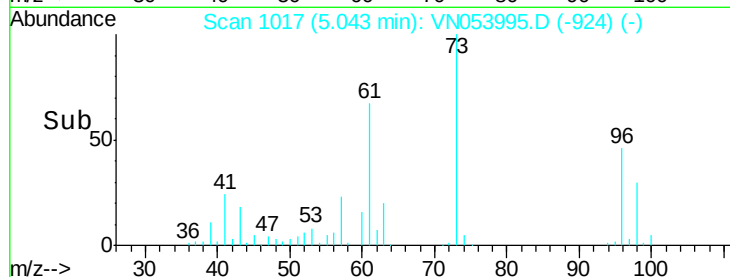
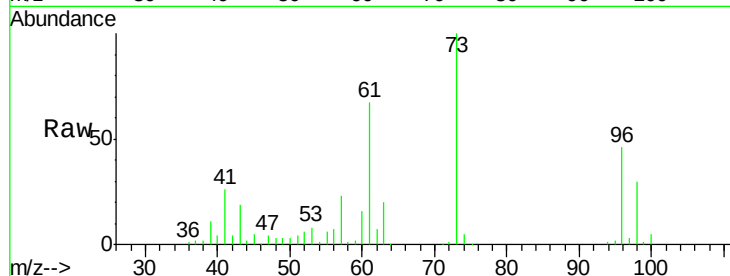
#19
Methyl tert-butyl Ether
Concen: 21.264 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampled :
VN0228WBS01

Tot Ion: 73 Resp: 412415
Ion Ratio Lower Upper
73 100
57 23.4 18.0 27.0

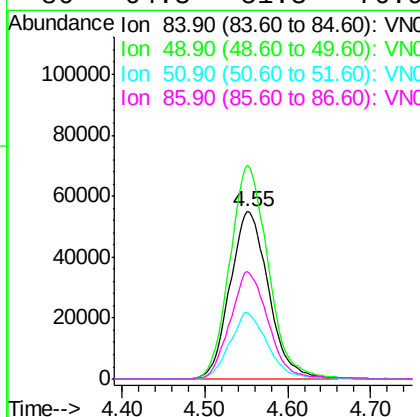
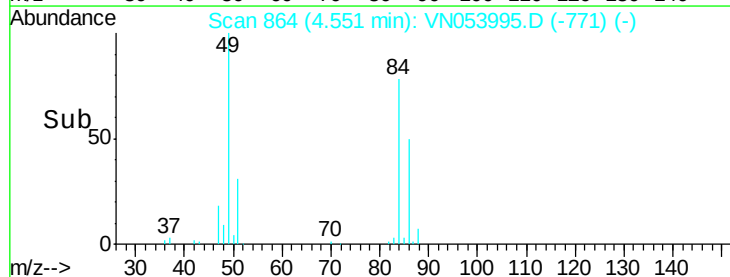
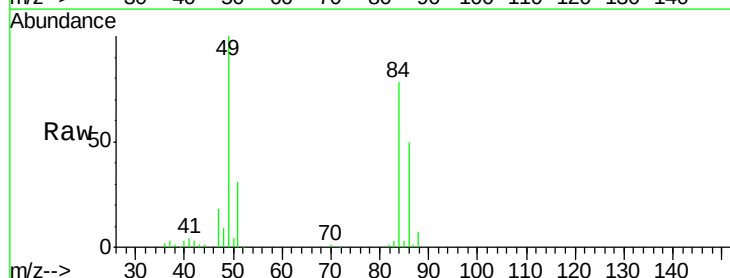
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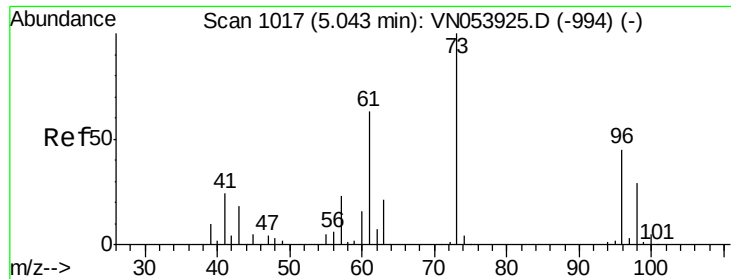
MMDadoda
3/1/2019 4:10:10 PM



#20
Methylene Chloride
Concen: 20.901 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion: 84 Resp: 177600
Ion Ratio Lower Upper
84 100
49 127.5 89.7 134.5
51 39.5 27.8 41.8
86 64.3 51.3 76.9





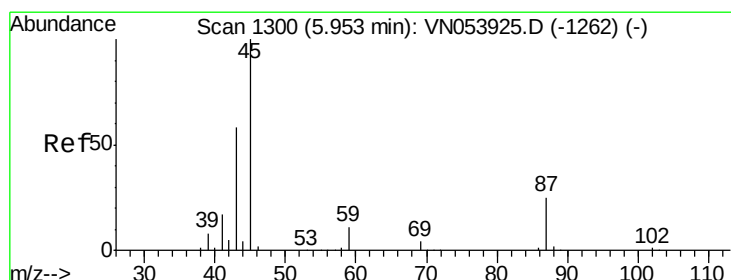
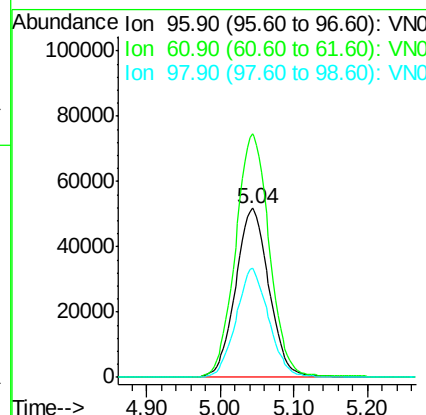
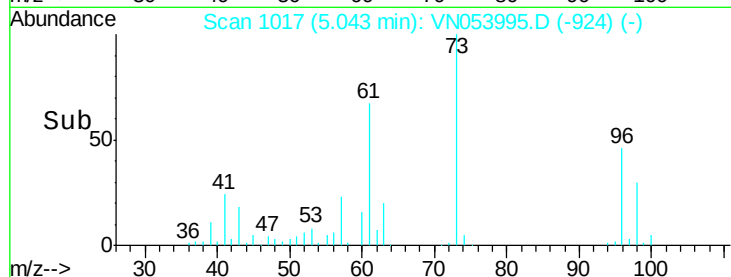
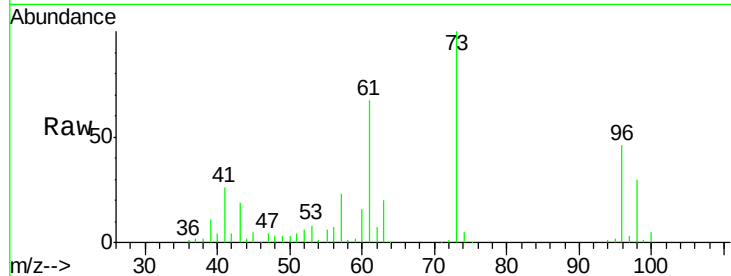
#21
trans-1,2-Dichloroethene
Concen: 20.957 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampled :
VN0228WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.1	104.5	156.7
98	64.5	50.6	76.0

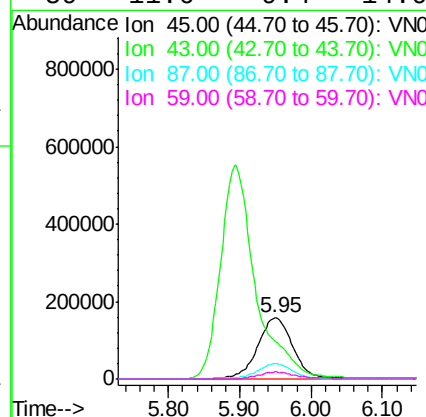
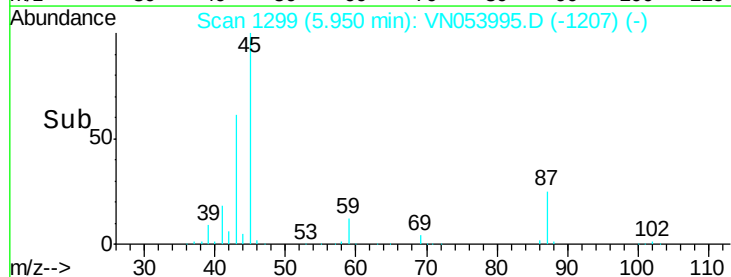
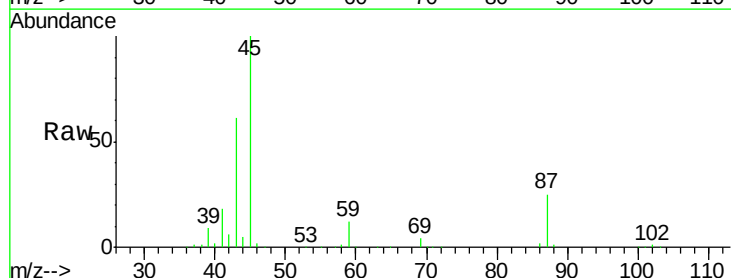
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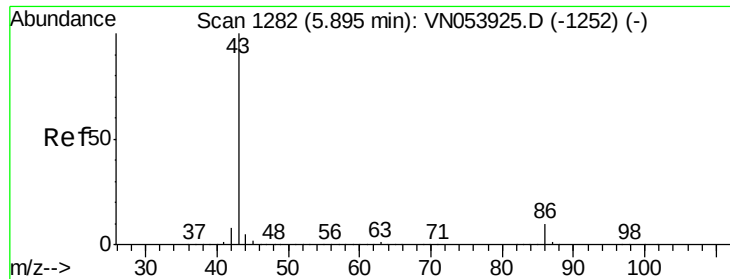
MMDadoda
3/1/2019 4:10:10 PM



#22
Diisopropyl ether
Concen: 22.220 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.3	46.2	69.4
87	24.4	23.4	35.0
59	11.6	9.4	14.0





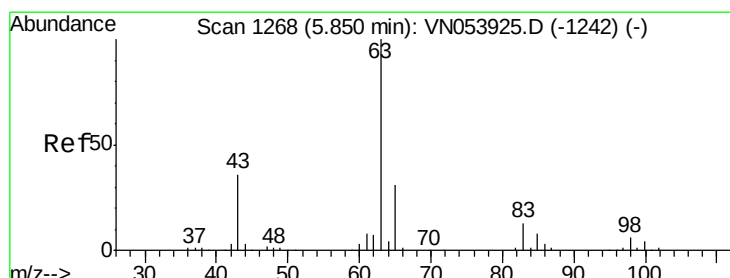
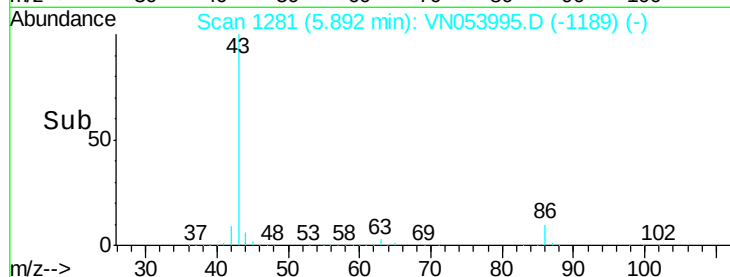
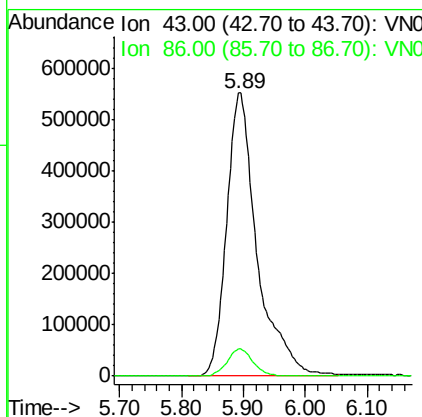
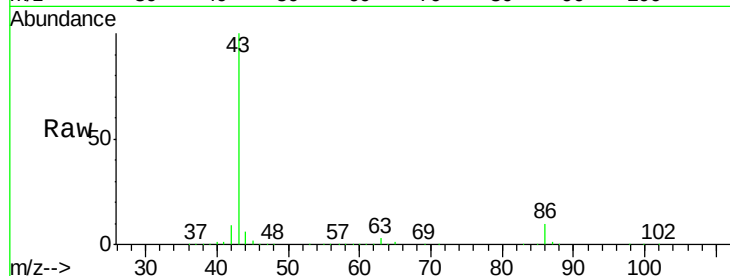
#23
 Vinyl Acetate
 Concen: 107.698 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBS01

Tot Ion: 43 Resp: 1895325
 Ion Ratio Lower Upper
 43 100
 86 9.6 9.1 13.7

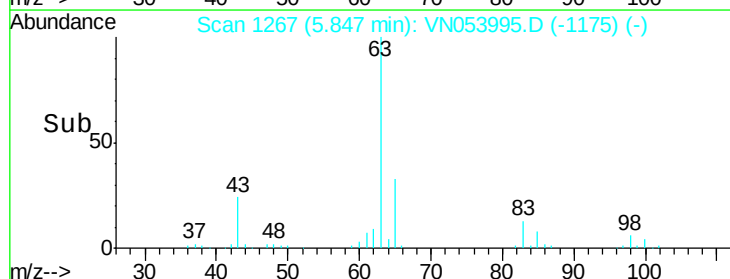
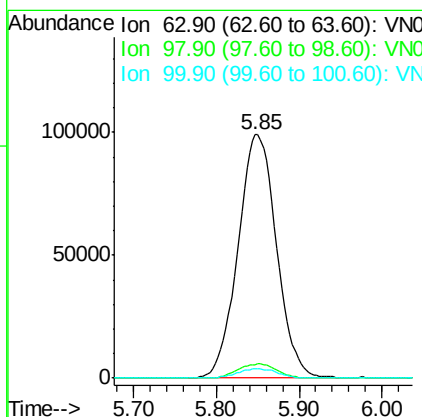
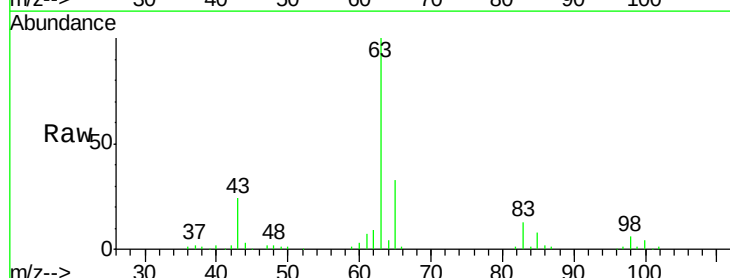
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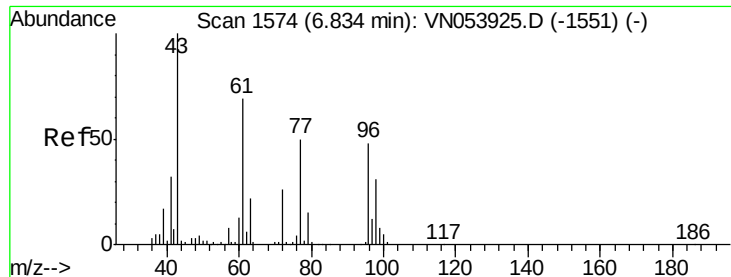
MMDadoda
 3/1/2019 4:10:10 PM



#24
 1,1-Dichloroethane
 Concen: 21.276 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Tgt Ion: 63 Resp: 319178
 Ion Ratio Lower Upper
 63 100
 98 5.5 3.4 10.2
 100 3.9 2.2 6.6





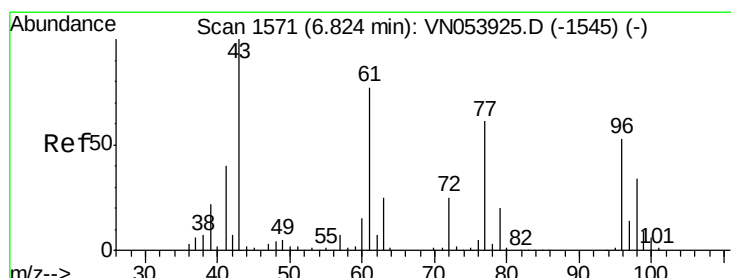
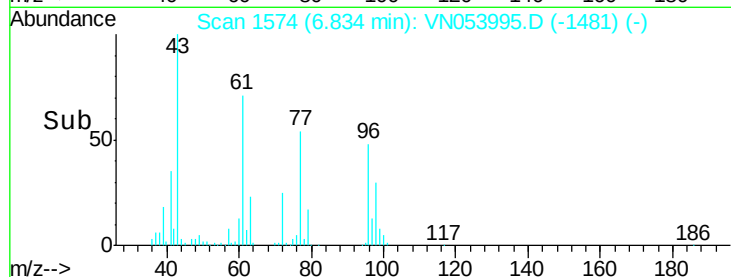
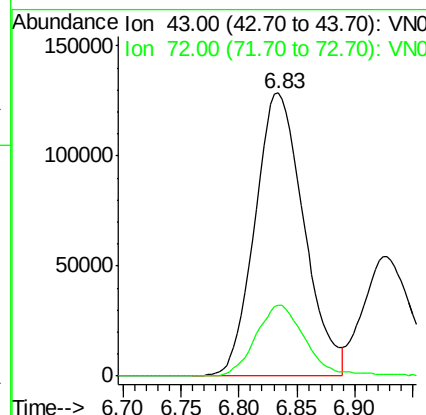
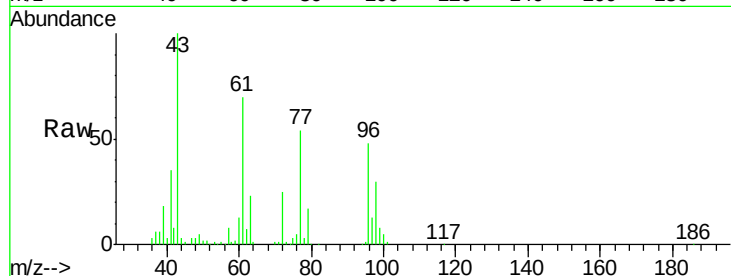
#25
2-Butanone
Concen: 111.819 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBS01

Tot Ion: 43 Resp: 376943
Ion Ratio Lower Upper
43 100
72 25.2 22.1 33.1

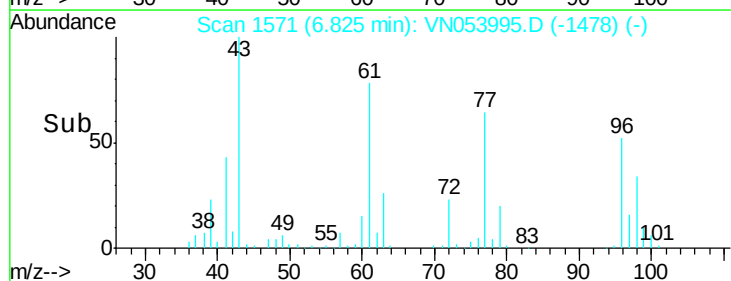
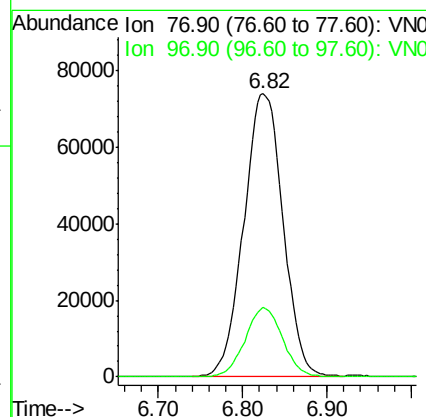
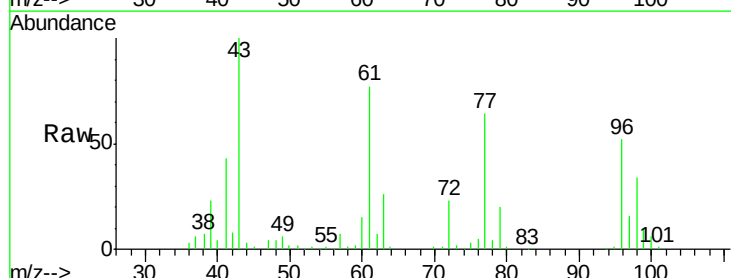
Manual Integrations
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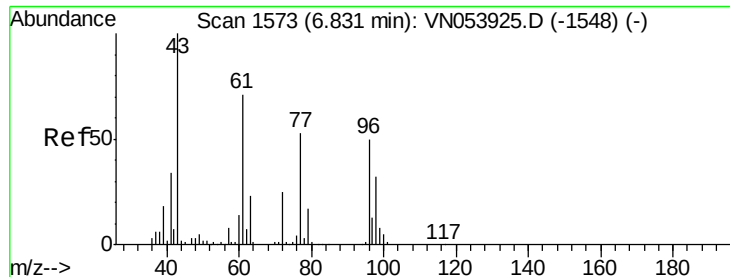
MMDadoda
3/1/2019 4:10:10 PM



#26
2,2-Dichloropropane
Concen: 22.514 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion: 77 Resp: 239963
Ion Ratio Lower Upper
77 100
97 23.4 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 21.226 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

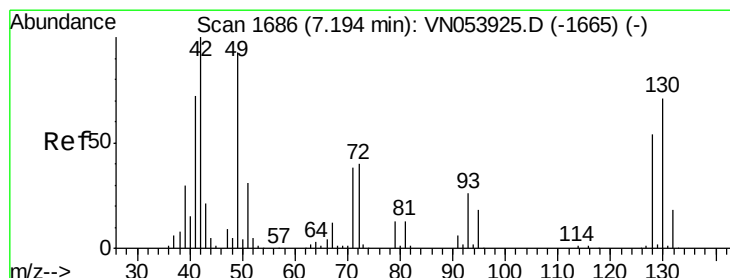
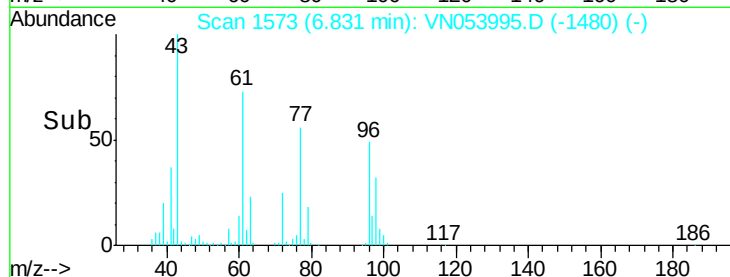
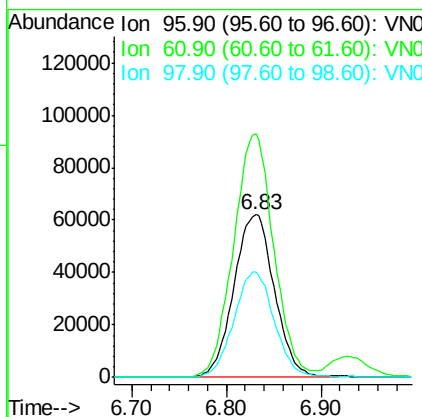
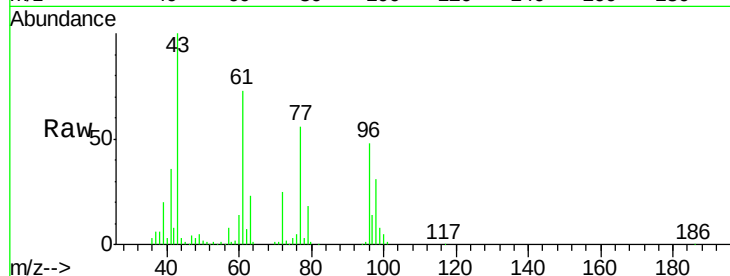
ClientSampleId :

VN0228WBS01

Tot Ion:	96	Resp:	184720
Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	275.6
98	64.6	0.0	130.0

Manual Integrations
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3/1/2019 4:10:10 PM



#28

Bromochloromethane

Concen: 23.017 ug/l

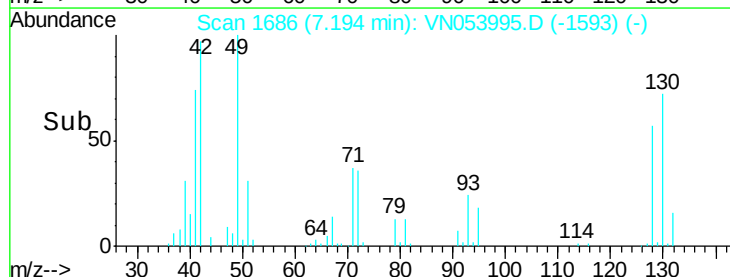
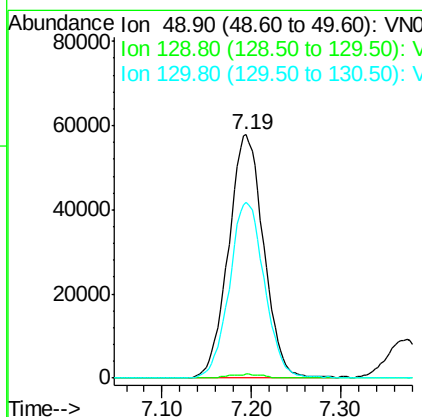
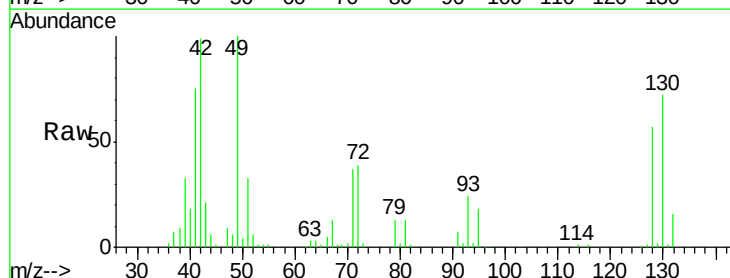
RT: 7.19 min Scan# 1686

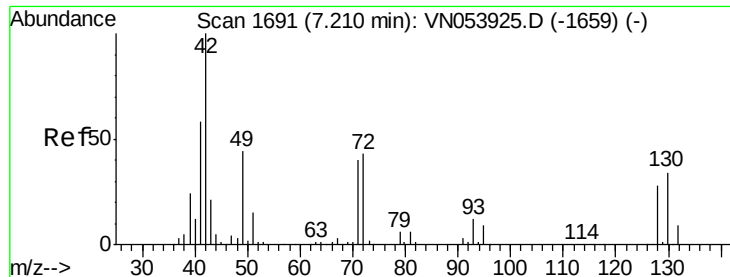
Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Tgt Ion:	49	Resp:	158055
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.6
130	72.2	72.9	109.3#





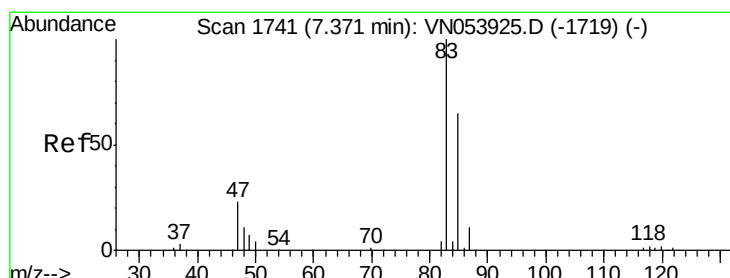
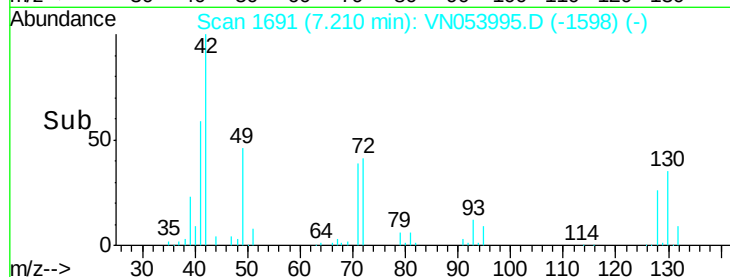
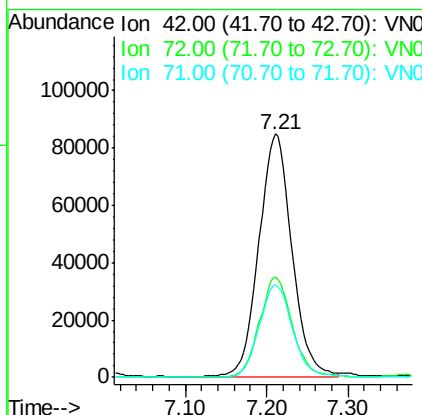
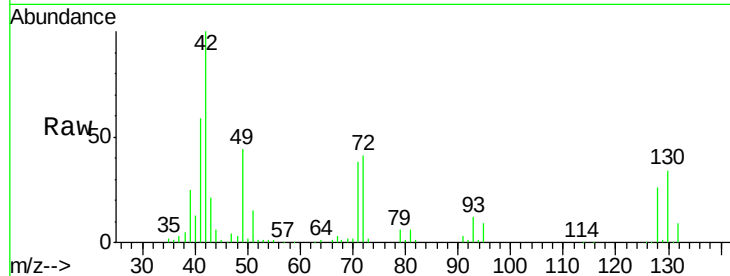
#29
Tetrahydrofuran
Concen: 106.566 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	36.9	55.3
71	38.5	34.6	52.0

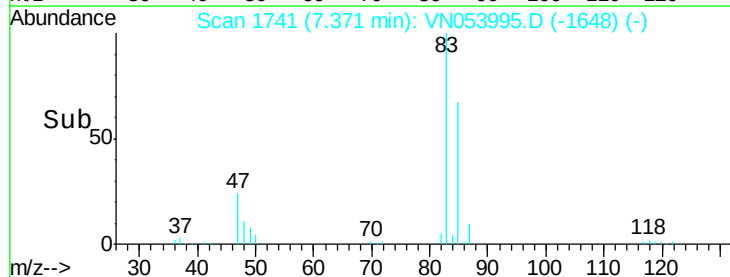
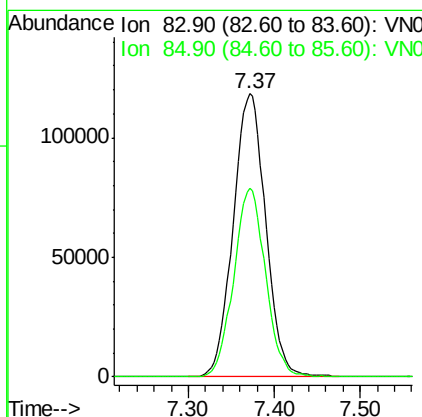
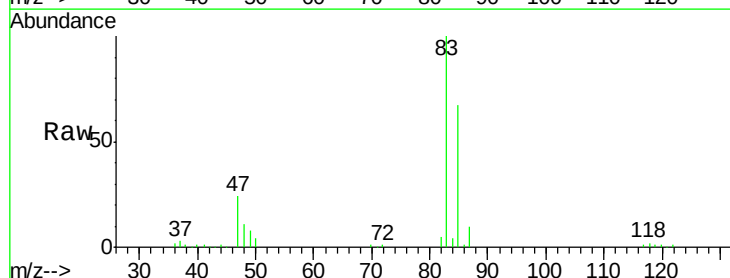
Manual Integrations
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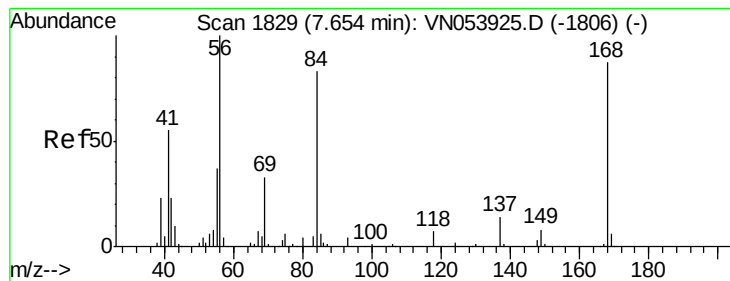
MMDadoda
3/1/2019 4:10:10 PM



#30
Chloroform
Concen: 21.376 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.6	78.8





#31

Cyclohexane

Concen: 21.963 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

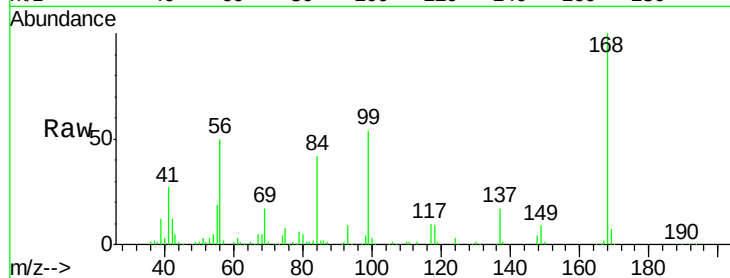
ClientSampleId :

VN0228WBS01

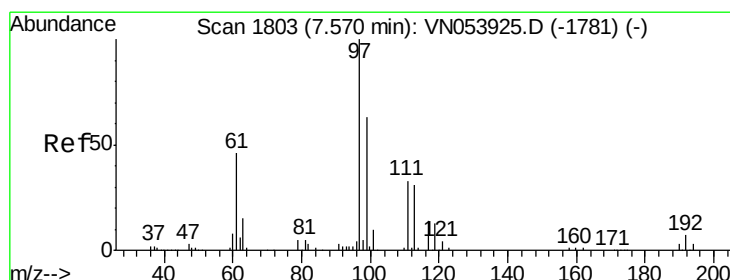
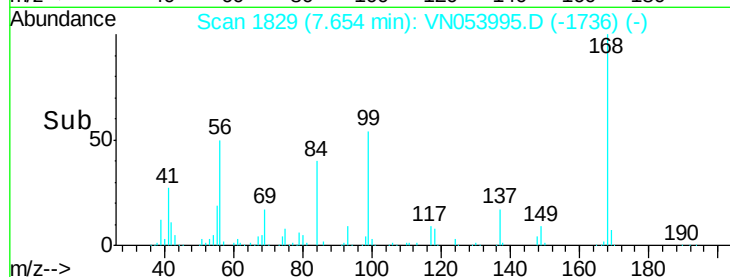
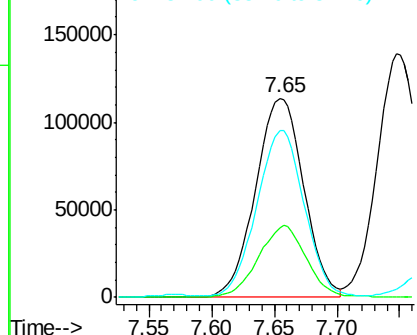
Tot Ion:	56	Resp:	304683
Ion Ratio		Lower	Upper
56	100		
69	35.1	26.0	39.0
84	82.6	69.1	103.7

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 21.440 ug/l

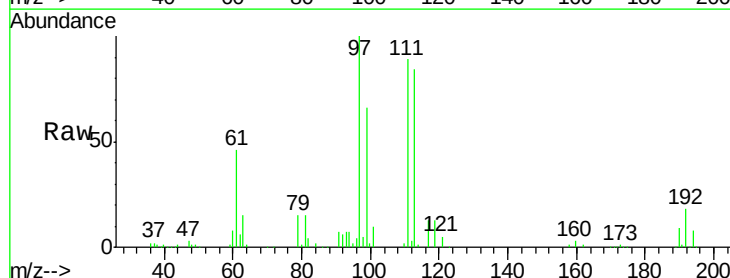
RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

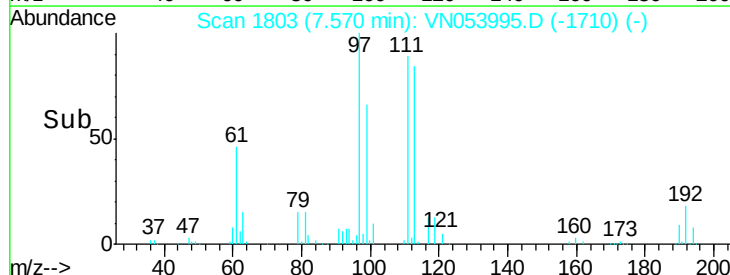
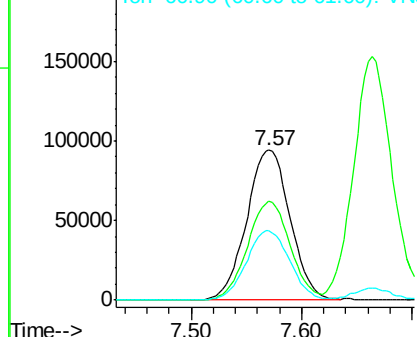
Lab File: VN053995.D

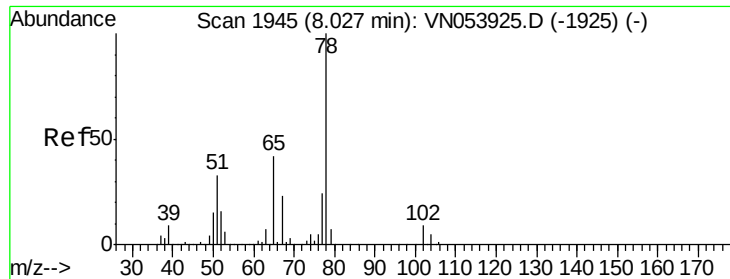
Acq: 28 Feb 2019 10:50

Tgt Ion:	97	Resp:	257156
Ion Ratio		Lower	Upper
97	100		
99	64.9	51.8	77.8
61	46.3	33.2	49.8



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





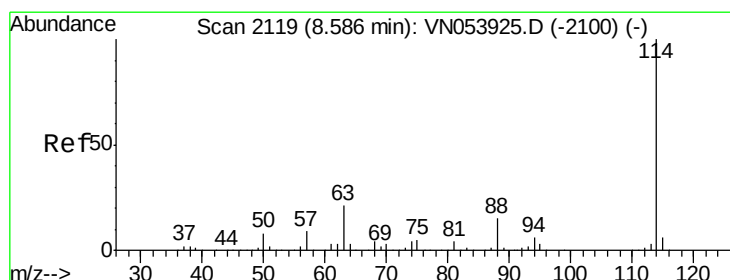
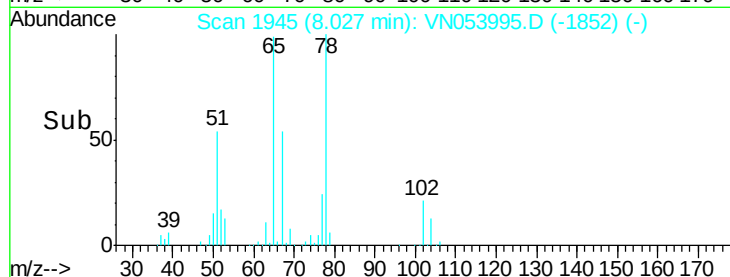
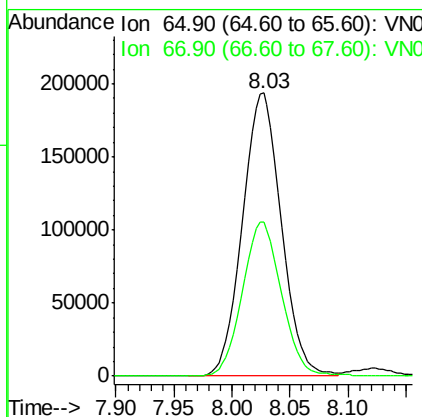
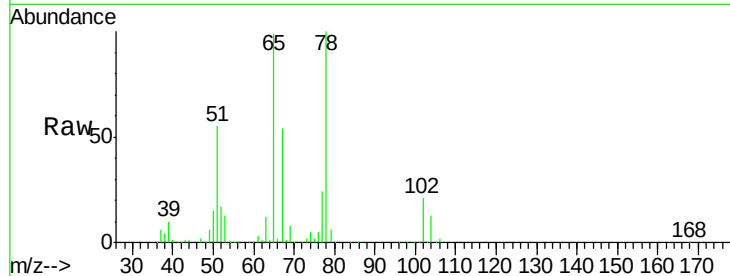
#33
 1,2-Dichloroethane-d4
 Concen: 52.663 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.9	0.0	111.8	

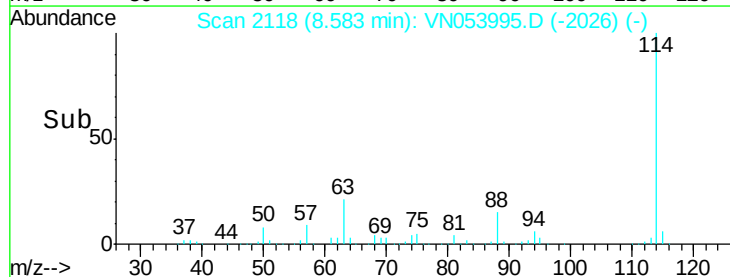
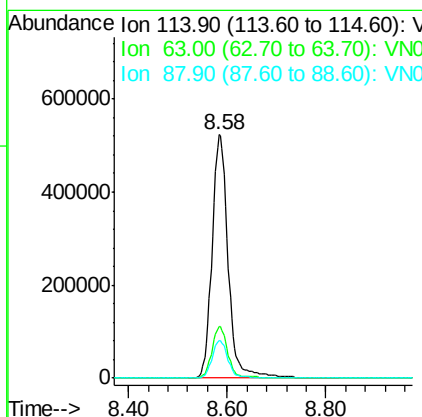
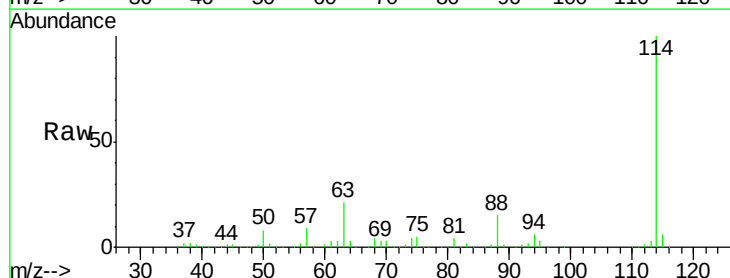
Manual Integrations
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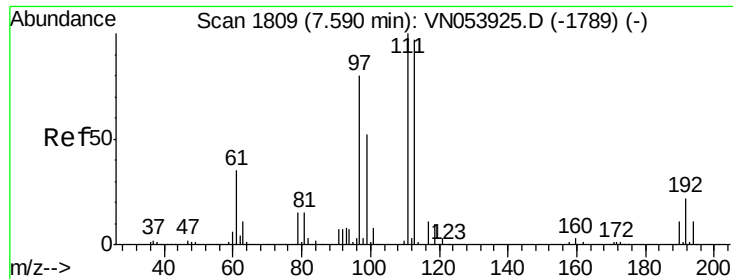
MMDadoda
 3/1/2019 4:10:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.1	0.0	37.4	
88	15.4	0.0	30.4	





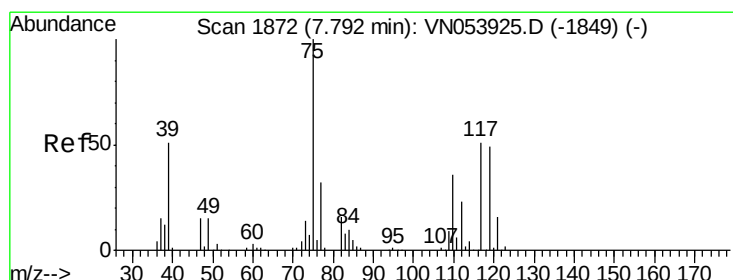
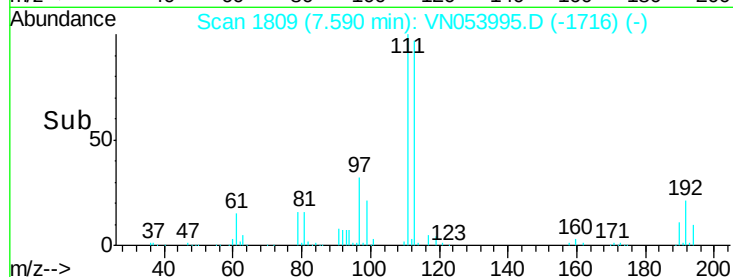
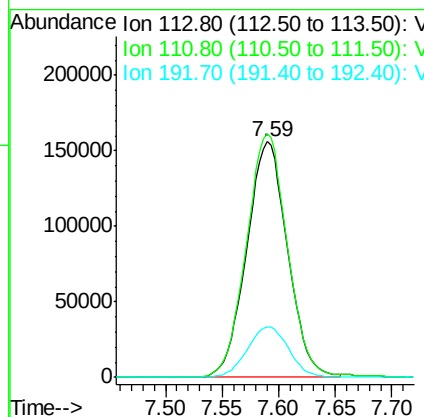
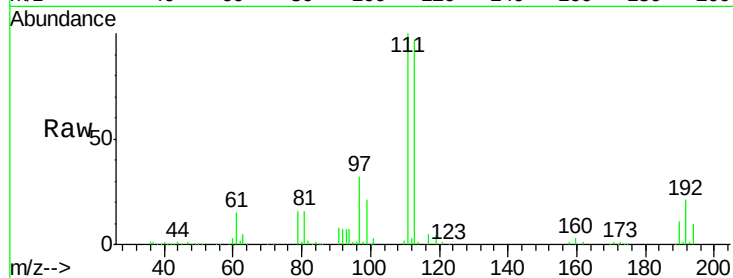
#35
Dibromofluoromethane
Concen: 51.626 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	392901		
111	103.3	81.1	121.7	
192	21.7	18.8	28.2	

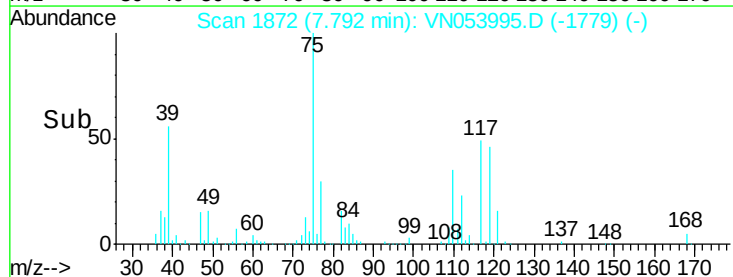
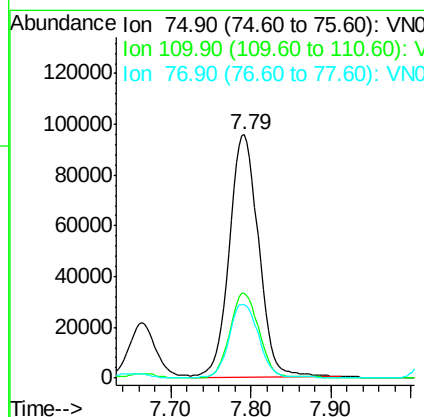
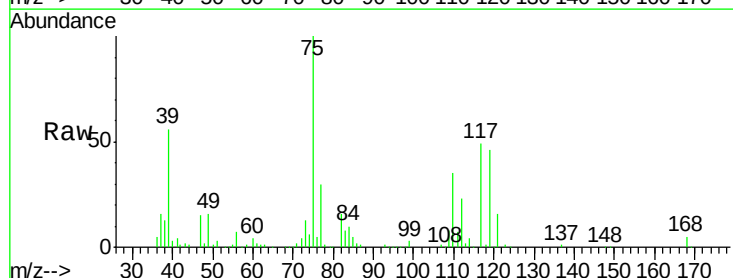
Manual Integrations
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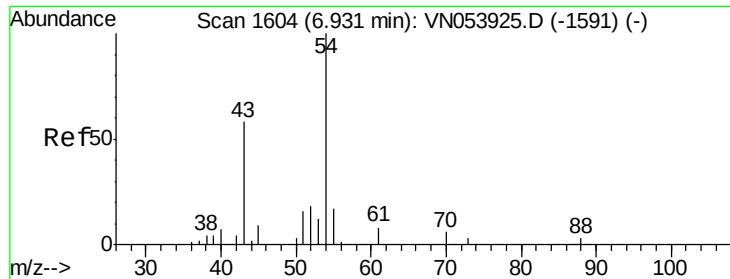
MMDadoda
3/1/2019 4:10:10 PM



#36
1,1-Dichloropropene
Concen: 21.860 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	239252		
110	35.1	19.0	57.0	
77	30.9	25.4	38.0	





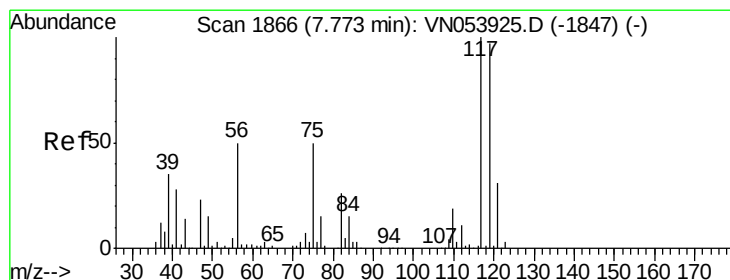
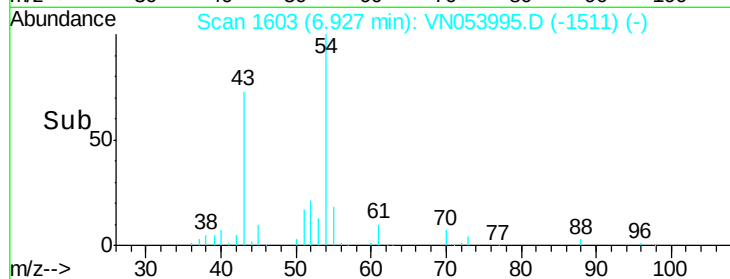
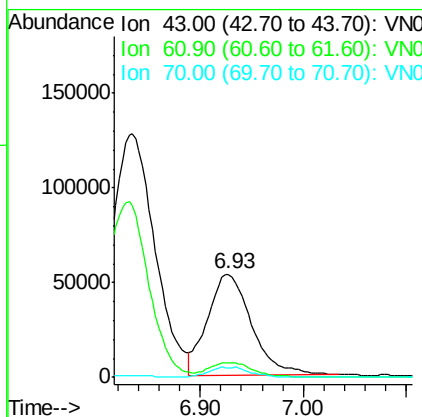
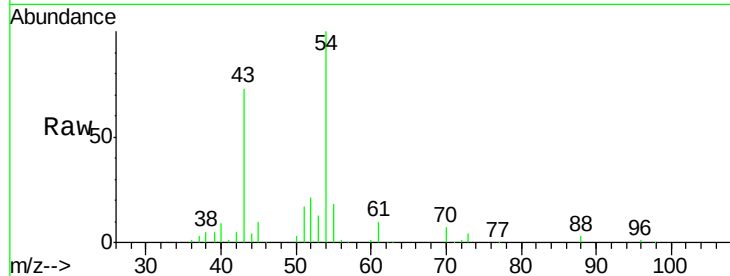
#37
Ethyl Acetate
Concen: 20.360 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	12.0	18.0
70	4.9	8.7	13.1

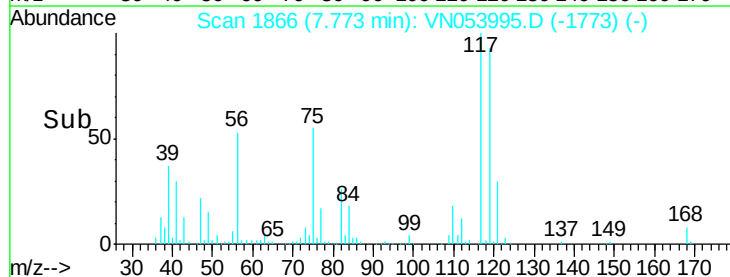
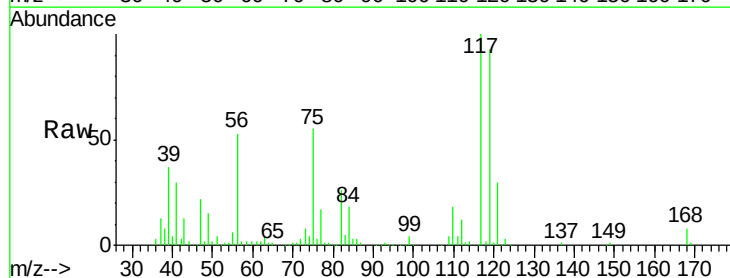
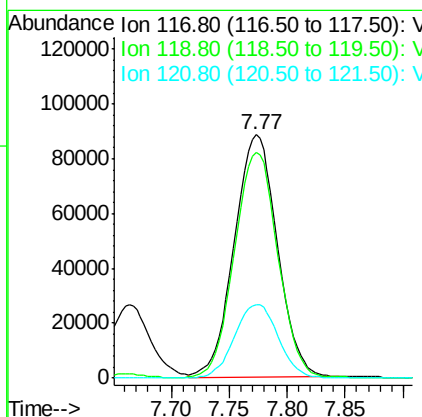
Manual Integrations
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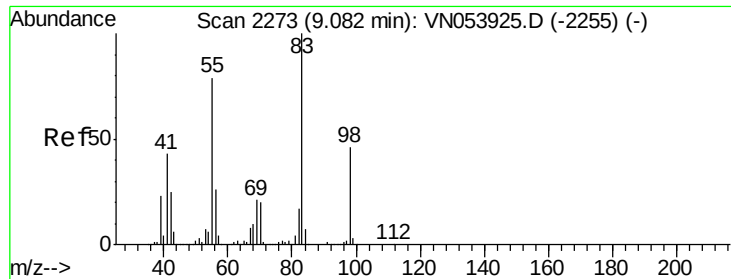
MMDadoda
3/1/2019 4:10:10 PM



#38
Carbon Tetrachloride
Concen: 20.060 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	76.2	114.2
121	30.5	24.6	36.8





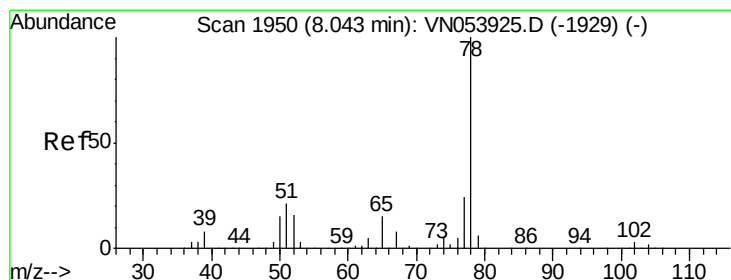
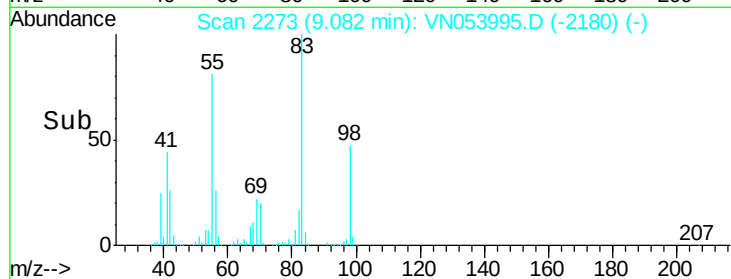
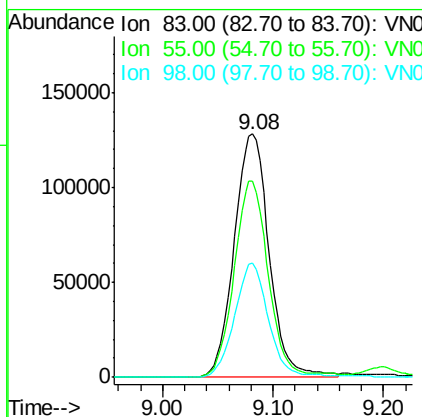
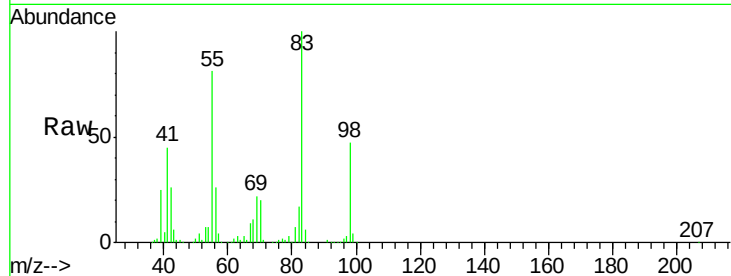
#39
Methylvlcyclohexane
Concen: 21.413 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.7	58.2	87.4
98	46.9	37.2	55.8

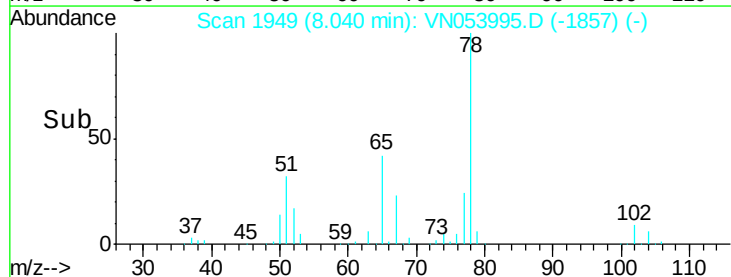
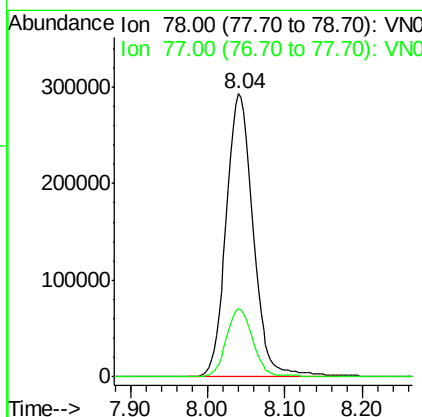
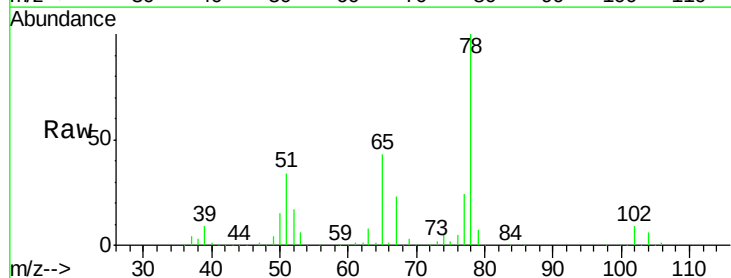
Manual Integrations
APPROVED

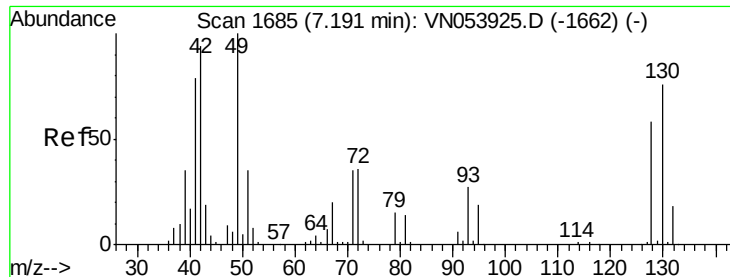
MMDadoda
3/1/2019 4:10:10 PM



#40
Benzene
Concen: 21.079 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





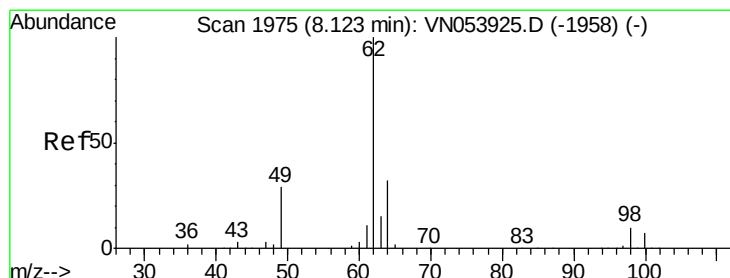
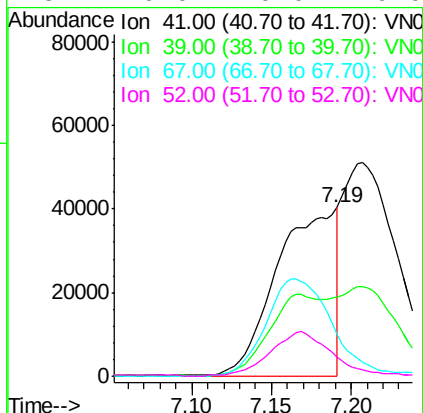
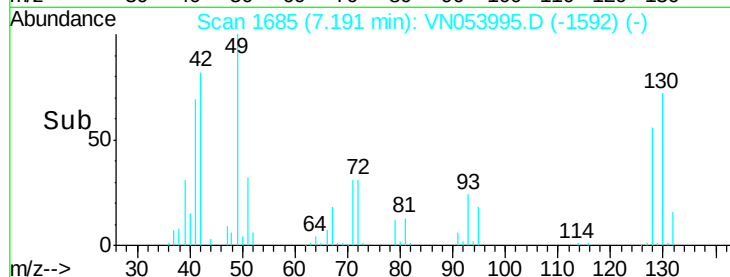
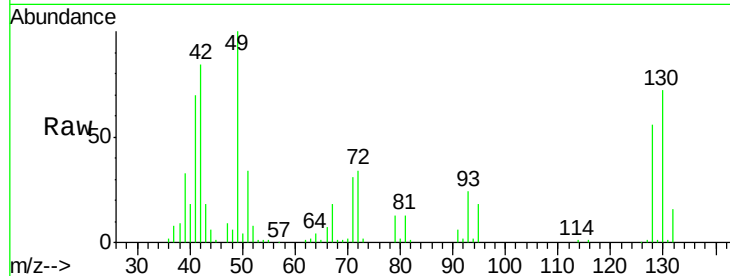
#41
Methacrylonitrile
Concen: 20.841 ug/l m
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBS01

Tot Ion	41	Resp	104875
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

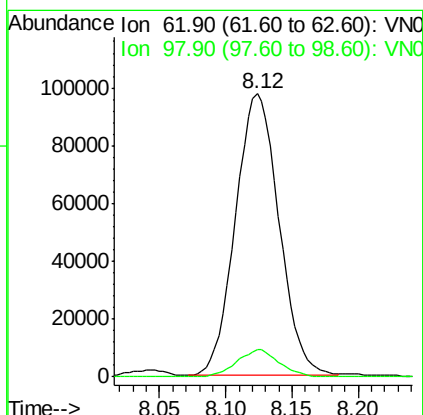
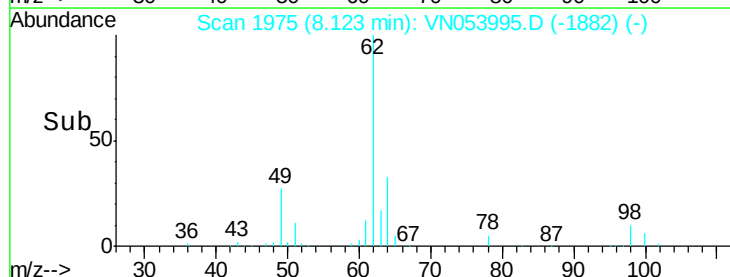
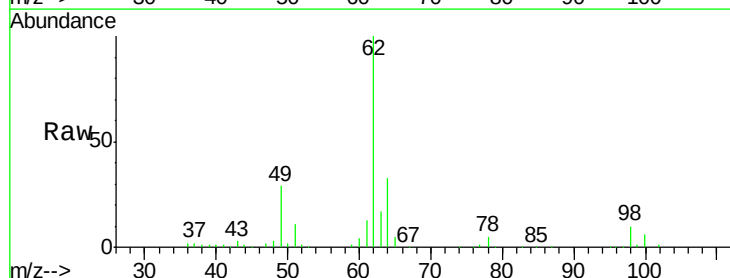
Manual Integrations
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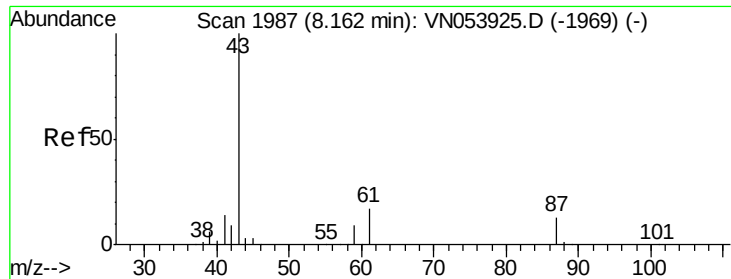
MMDadoda
3/1/2019 4:10:10 PM



#42
1,2-Dichloroethane
Concen: 21.424 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion	62	Resp	223017
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.8





#43

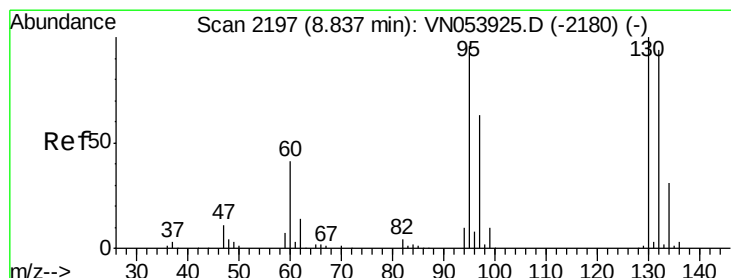
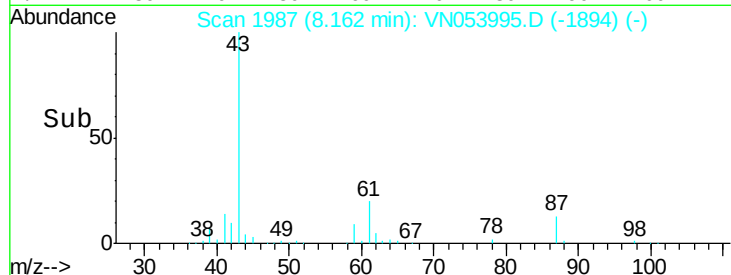
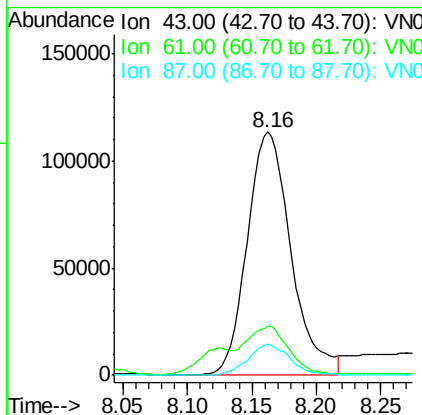
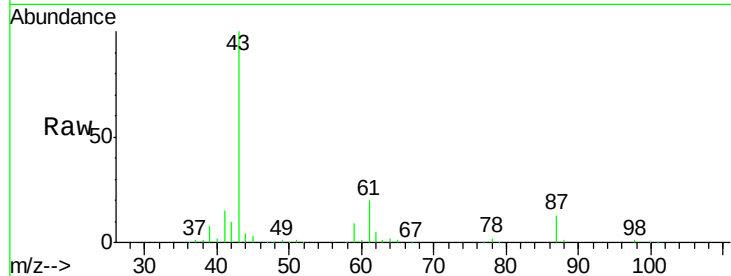
Isopropyl Acetate
 Concen: 20.337 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	17.4	26.0
87	12.2	11.5	17.3

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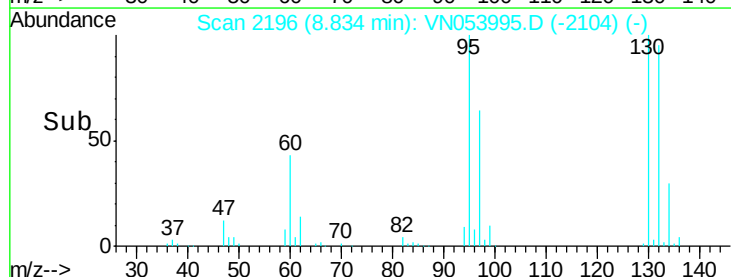
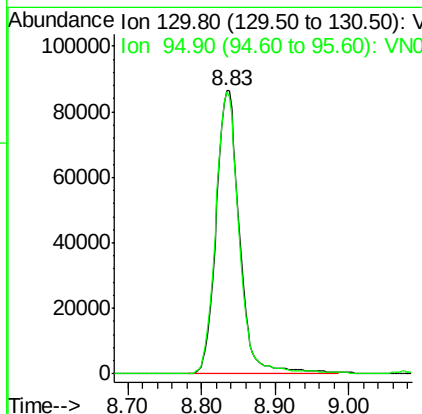
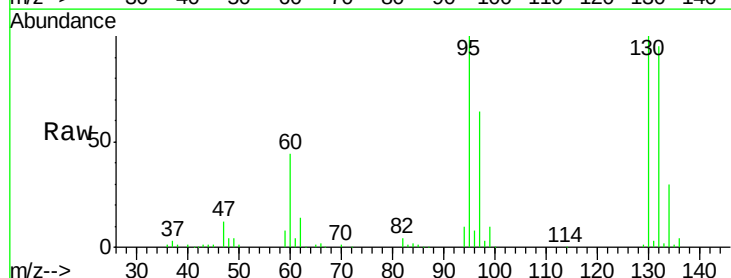
MMDadoda
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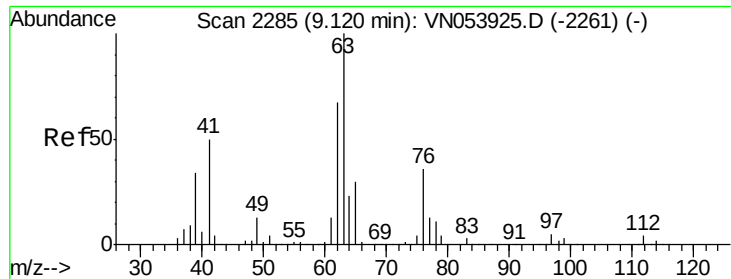


#44

Trichloroethene
 Concen: 21.345 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	190.0





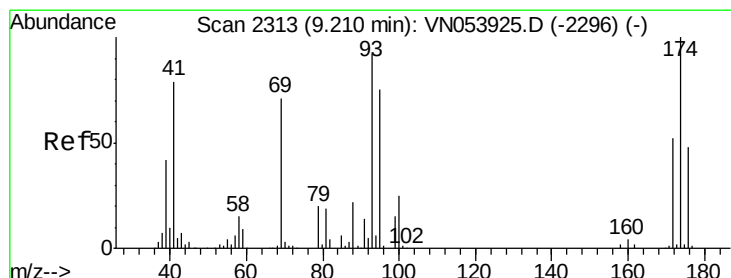
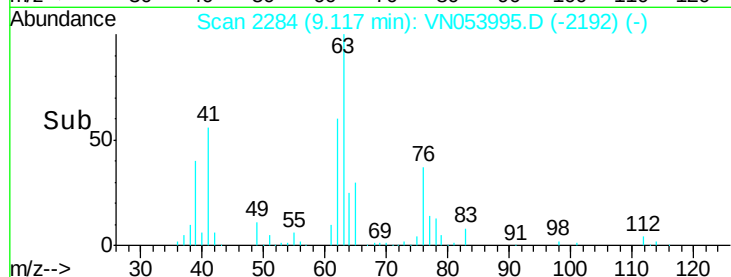
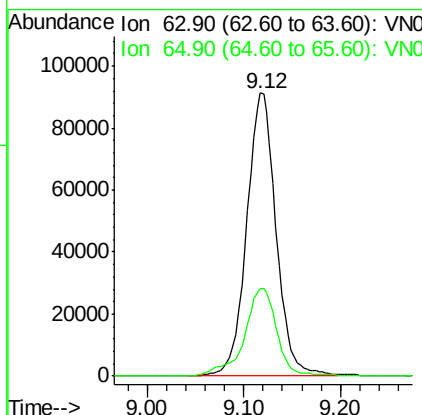
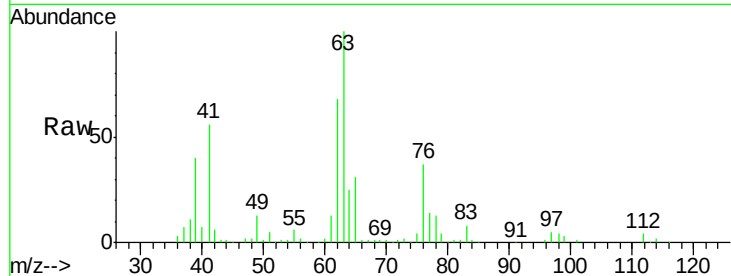
#45
 1,2-Dichloropropane
 Concen: 21.289 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	193121		
65	30.9	24.3	36.5	

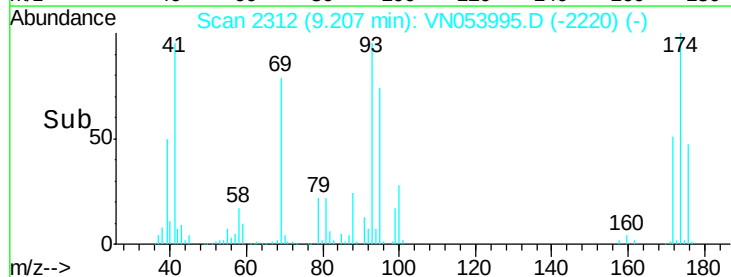
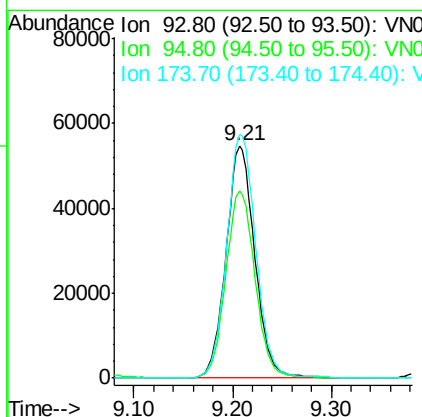
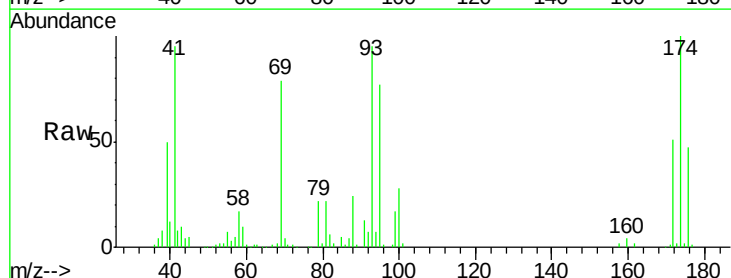
Manual Integrations
 APPROVED

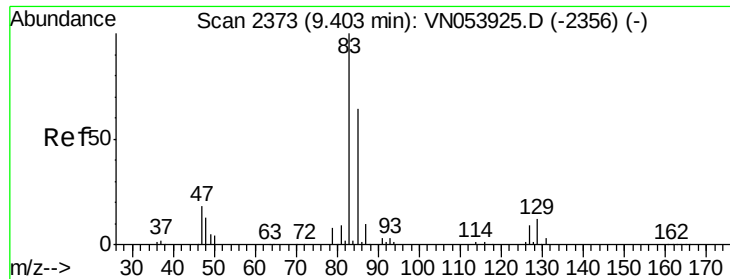
MMDadoda
 3/1/2019 4:10:10 PM



#46
 Dibromomethane
 Concen: 21.239 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	111854		
95	81.9	66.6	100.0	
174	105.6	96.2	144.4	





#47

Bromodichloromethane

Concen: 21.451 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

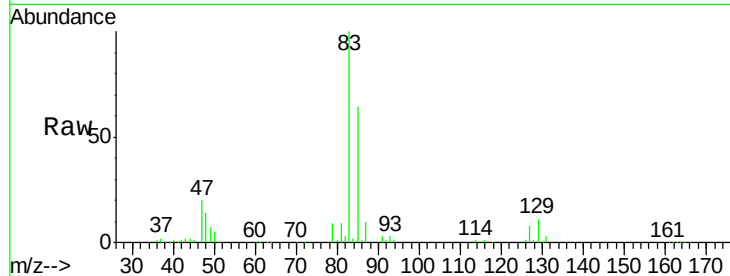
ClientSampled :

VN0228WBS01

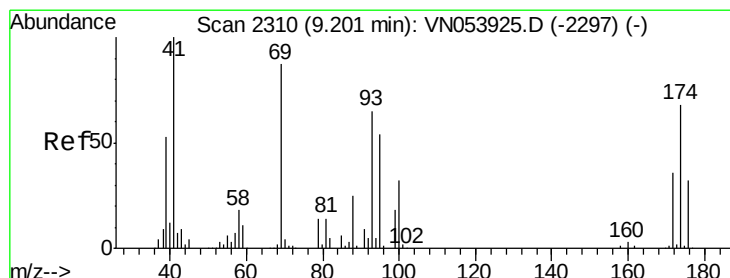
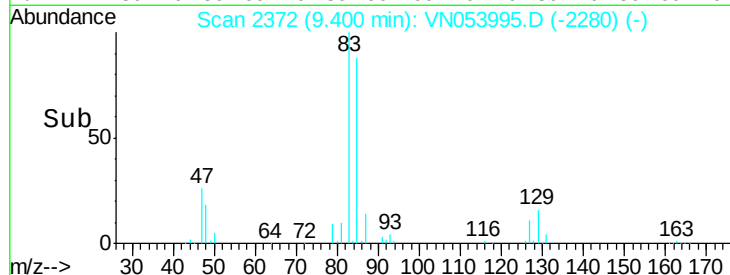
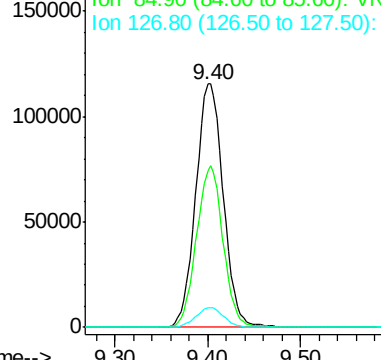
Tot Ion:	83	Resp:	238077
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.8	77.6
127	7.9	7.4	11.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN053995.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.237 ug/l

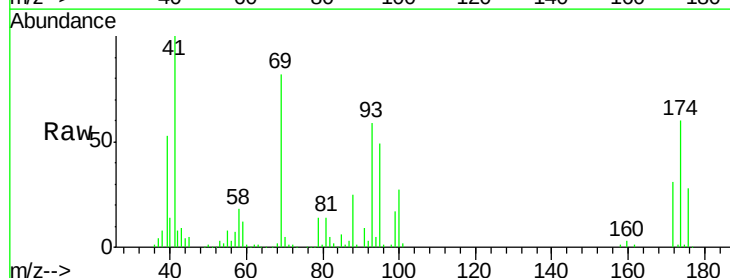
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

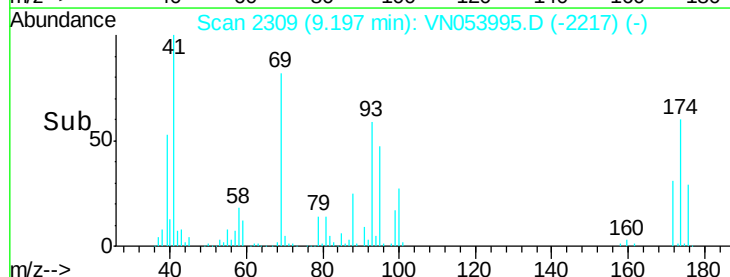
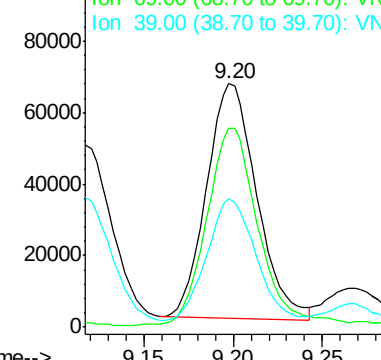
Lab File: VN053995.D

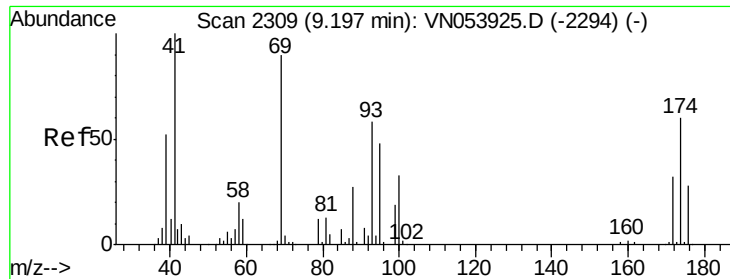
Acq: 28 Feb 2019 10:50

Tgt Ion:	41	Resp:	128897
Ion Ratio	Lower	Upper	
41	100		
69	86.0	74.8	112.2
39	55.3	39.0	58.6



Abundance Ion 41.00 (40.70 to 41.70): VN053995.D (-2217) (-)





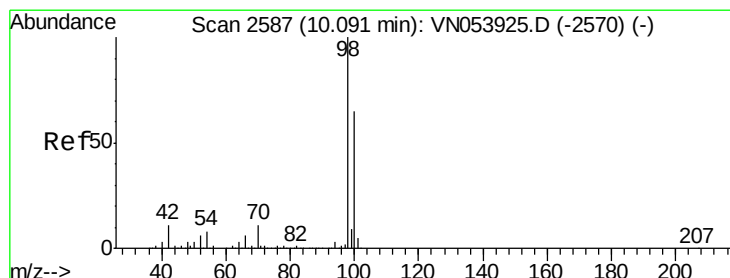
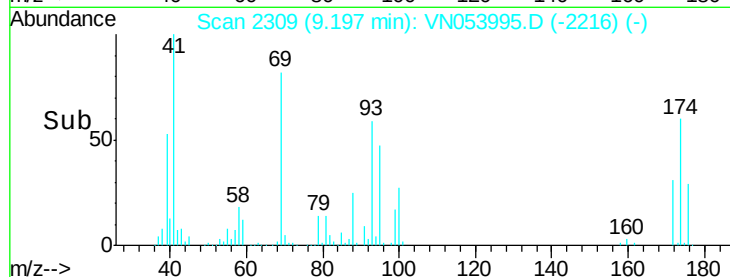
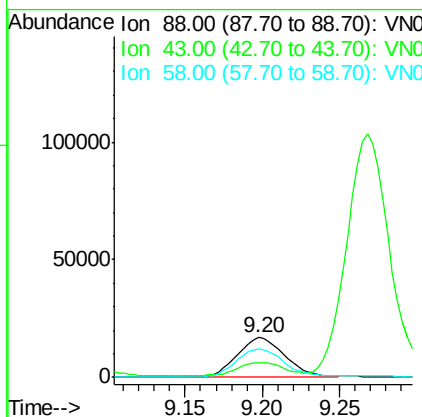
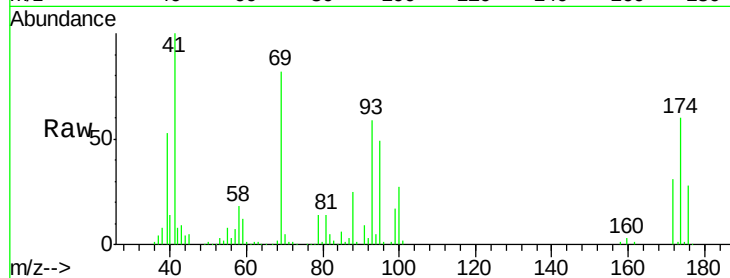
#49
 1,4-Dioxane
 Concen: 443.649 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBS01

Tot Ion	88	Resp	36470
Ion	Ratio	Lower	Upper
88	100		
43	32.9	21.2	31.8#
58	72.2	54.2	81.2

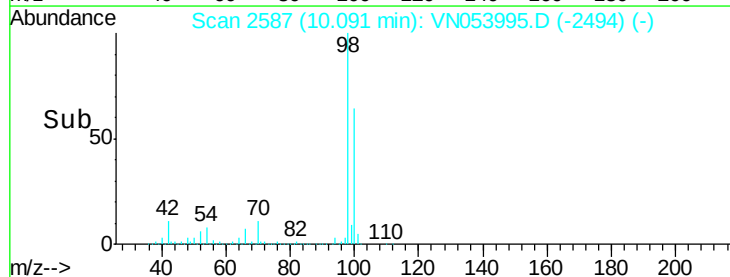
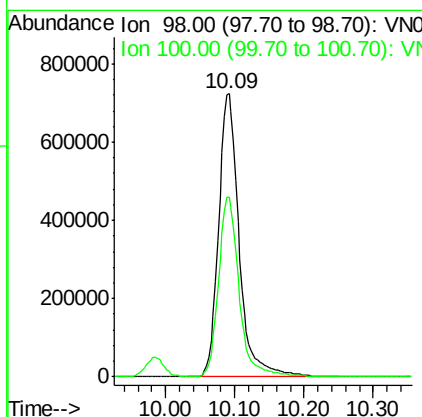
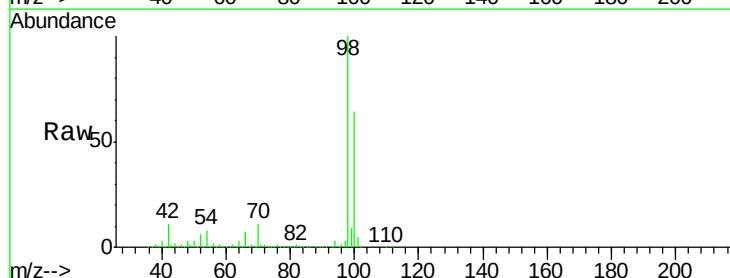
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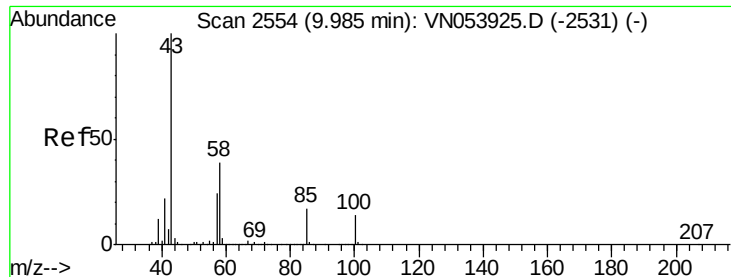
MMDadoda
 3/1/2019 4:10:10 PM



#50
 Toluene-d8
 Concen: 52.550 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Tgt Ion	98	Resp	1488769
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.9	77.9





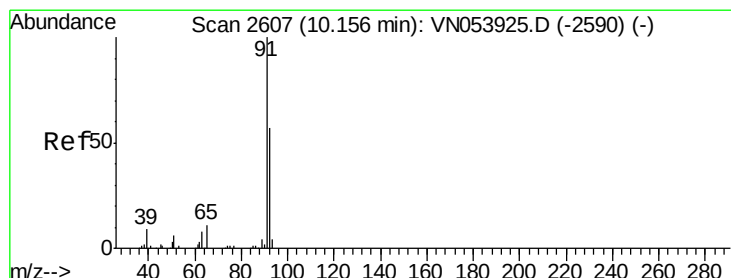
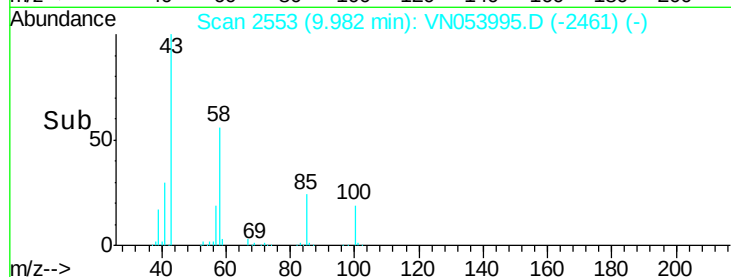
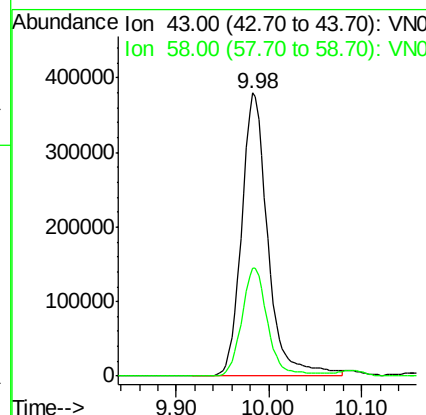
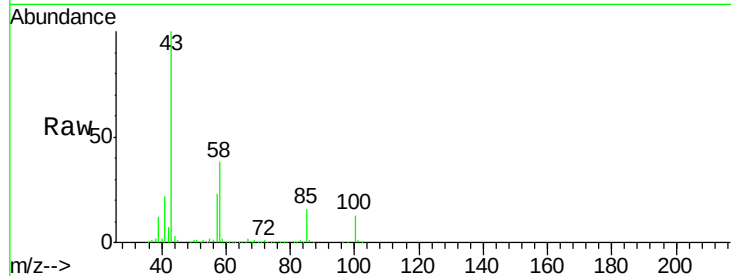
#51
4-Methyl-2-Pentanone
Concen: 109.772 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBS01

Tot Ion: 43 Resp: 744311
Ion Ratio Lower Upper
43 100
58 37.9 32.7 49.1

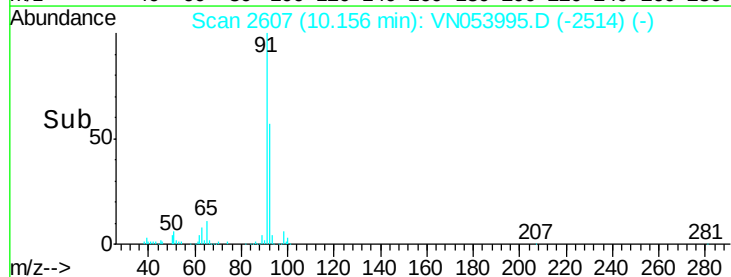
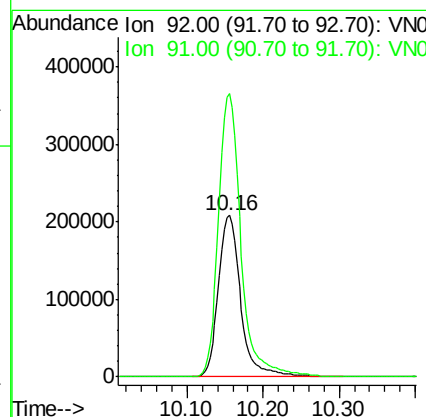
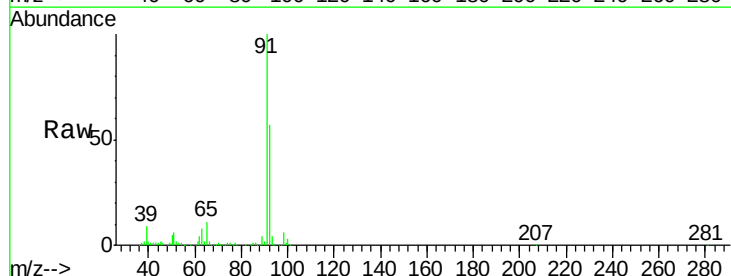
Manual Integrations
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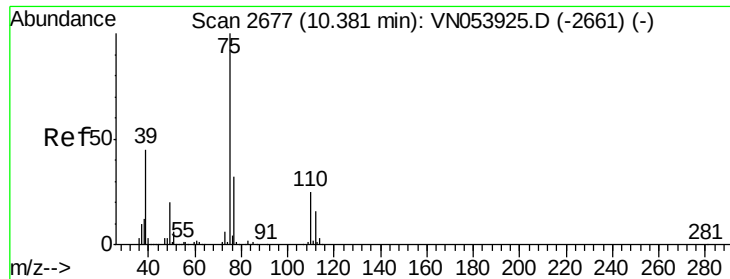
MMDadoda
3/1/2019 4:10:10 PM



#52
Toluene
Concen: 21.466 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion: 92 Resp: 424998
Ion Ratio Lower Upper
92 100
91 176.7 138.4 207.6





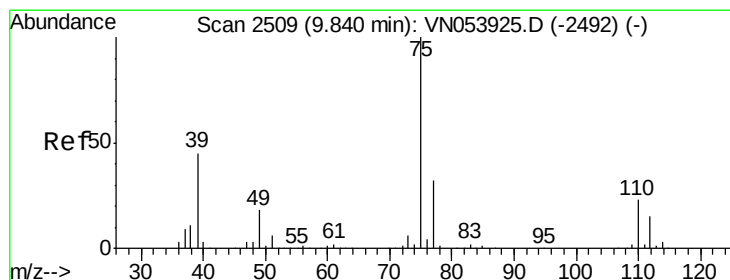
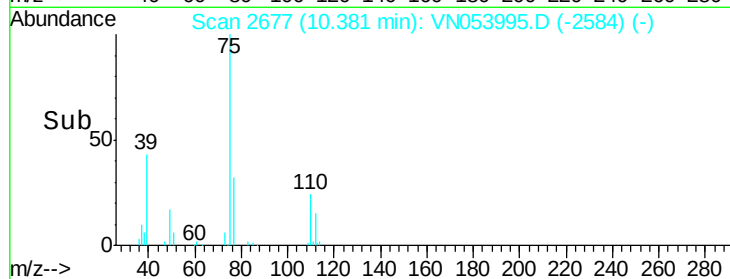
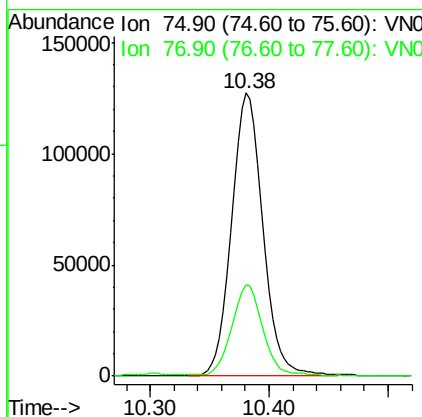
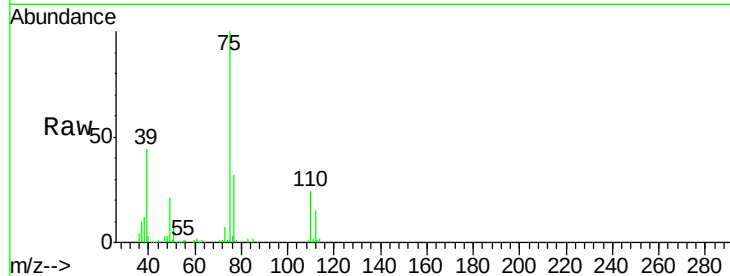
#53
t-1,3-Dichloropropene
Concen: 21.532 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampled :
VN0228WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.6

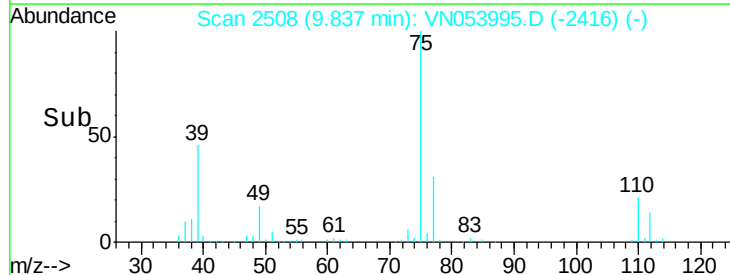
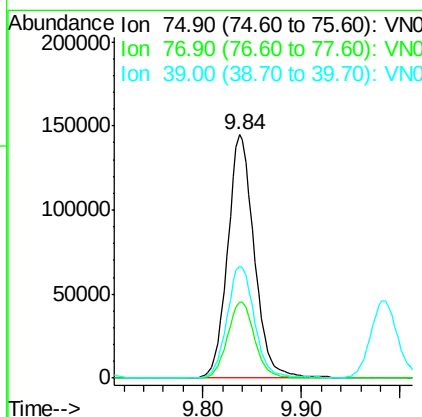
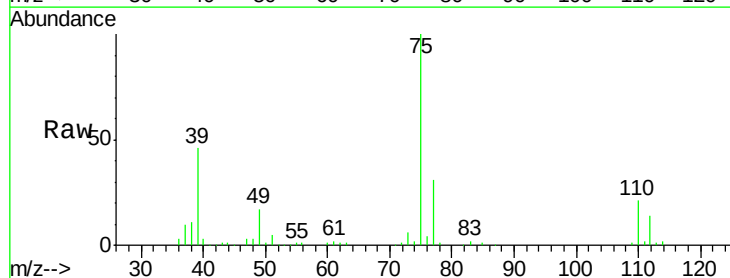
Manual Integrations
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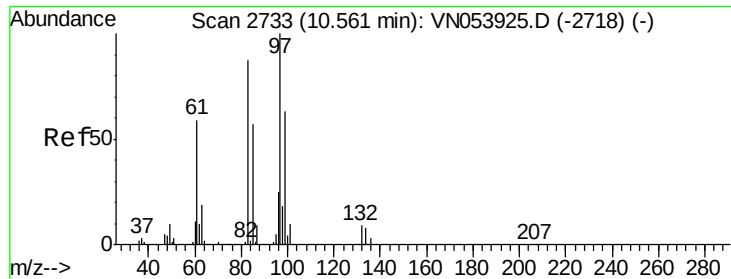
MMDadoda
3/1/2019 4:10:10 PM



#54
cis-1,3-Dichloropropene
Concen: 21.475 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.6
39	45.8	31.4	47.0





#55

1,1,2-Trichloroethane

Concen: 21.206 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN0228WBS01

Tot Ion: 97 Resp: 156792

Ion Ratio Lower Upper

97 100

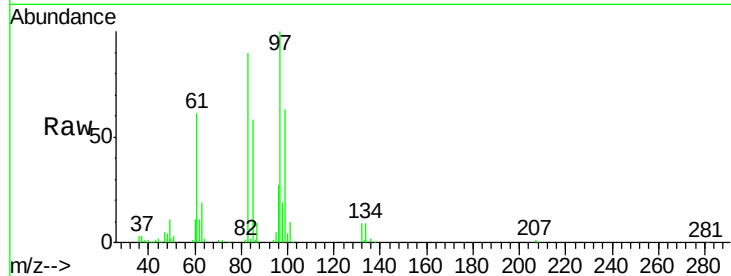
83 90.1 69.5 104.3

85 57.7 45.9 68.9

99 63.0 49.1 73.7

Manual Integrations
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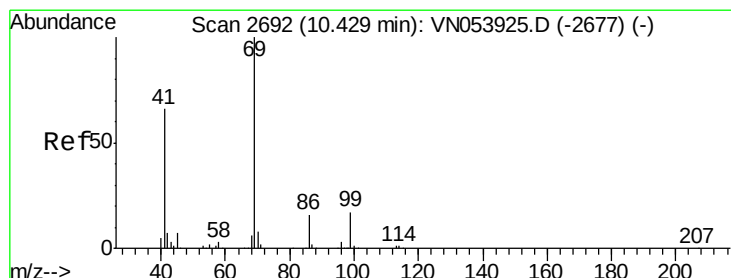
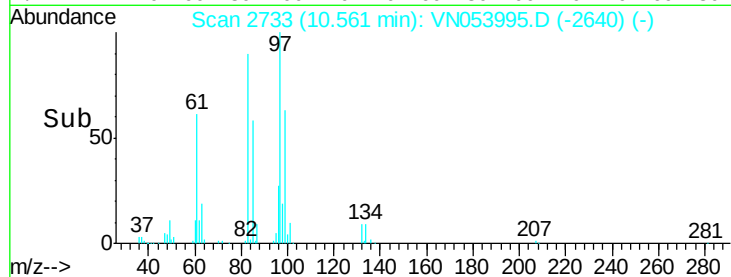
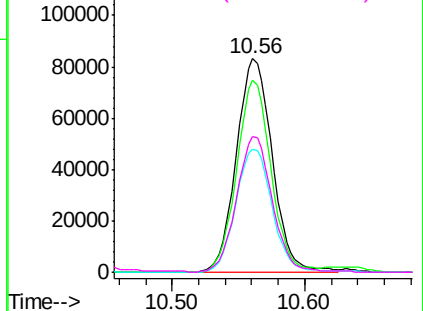


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.461 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Tgt Ion: 69 Resp: 186718

Ion Ratio Lower Upper

69 100

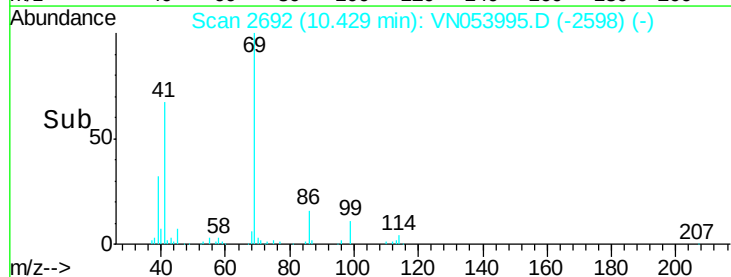
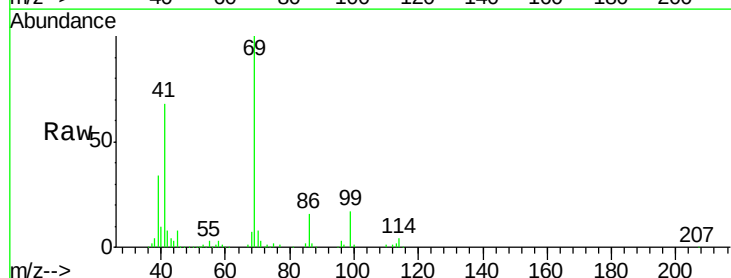
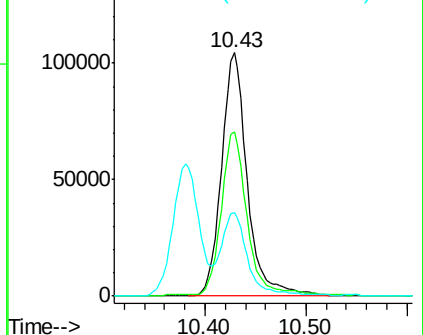
41 66.3 47.5 71.3

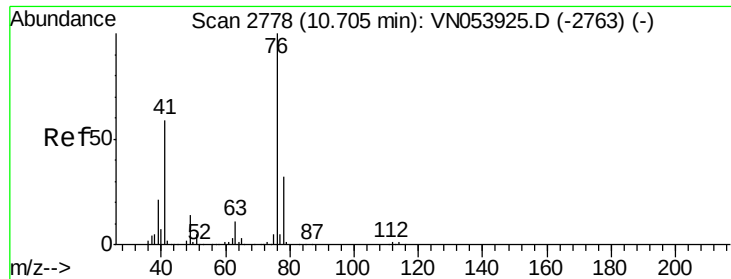
39 34.8 23.4 35.0

Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





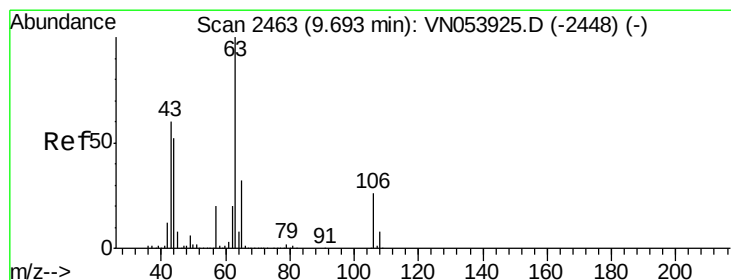
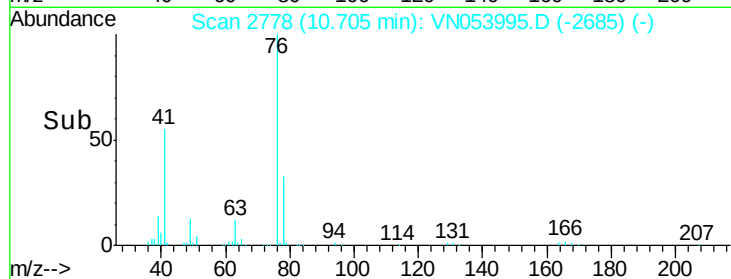
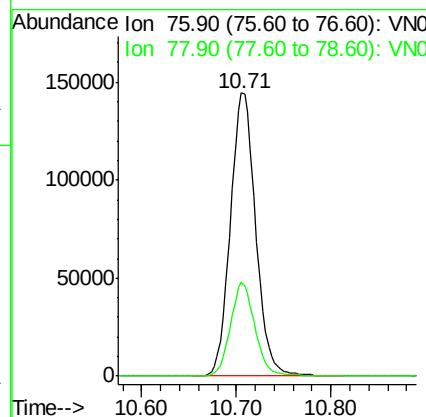
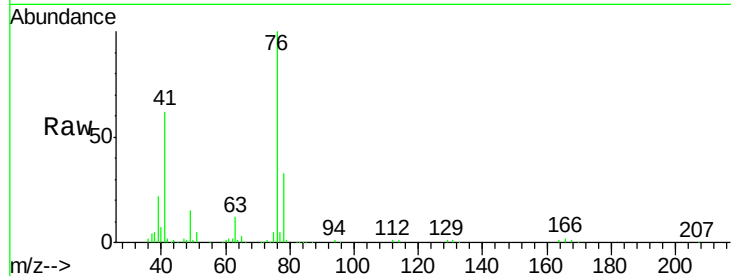
#57
 1,3-Dichloropropane
 Concen: 21.512 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBS01

Tot Ion: 76 Resp: 268753
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8

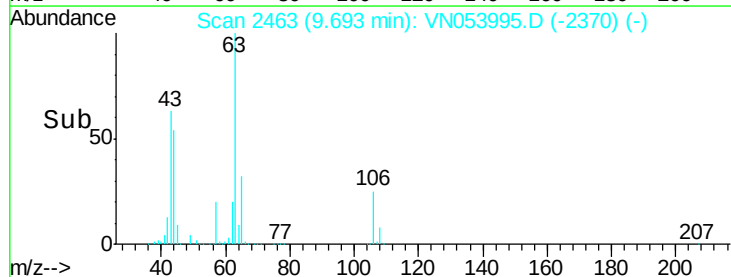
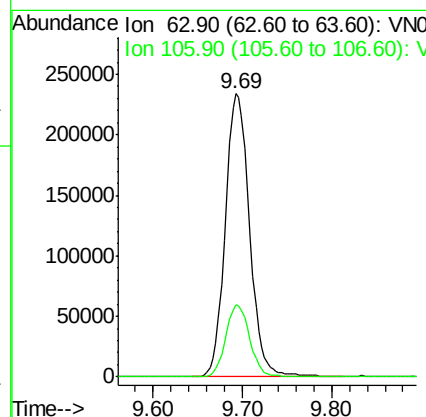
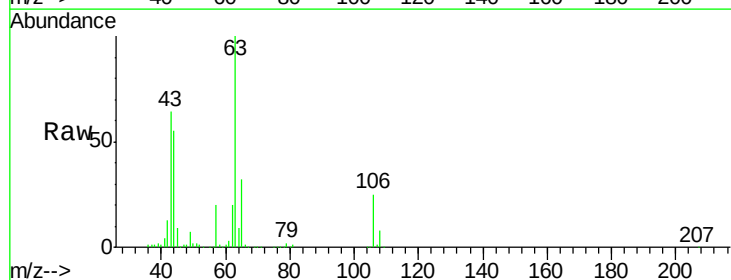
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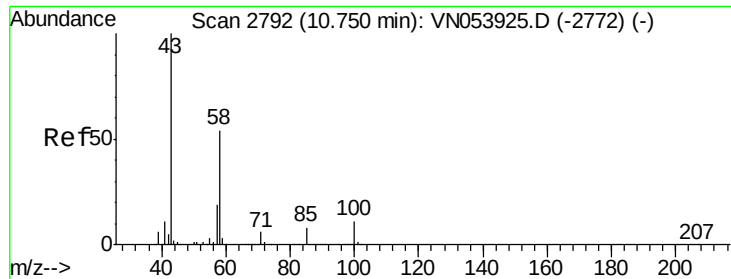
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 3/1/2019 4:10:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.942 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Tgt Ion: 63 Resp: 440722
 Ion Ratio Lower Upper
 63 100
 106 25.3 22.2 33.2





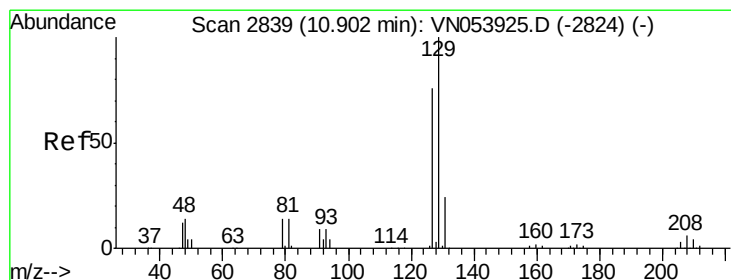
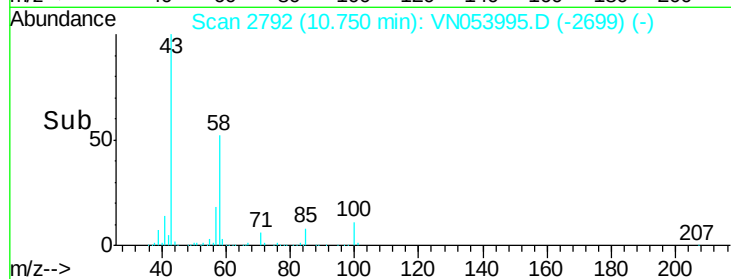
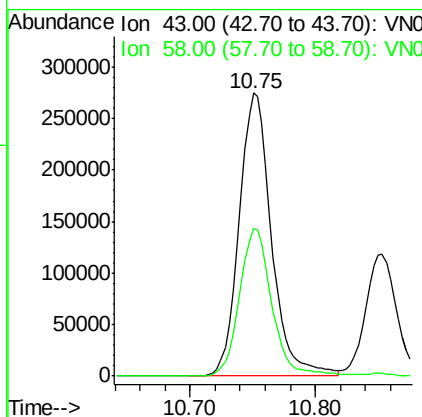
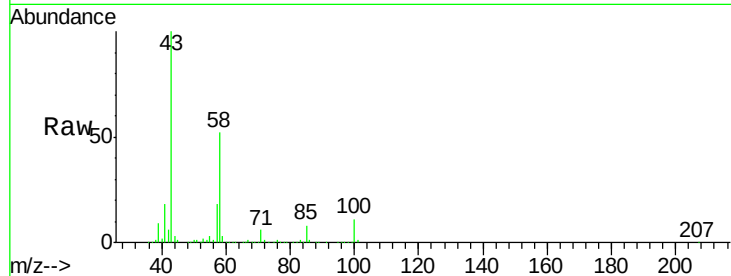
#59
2-Hexanone
Concen: 110.967 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBS01

Tot Ion	43	Resp	489353
Ion Ratio	100	Lower	Upper
58	52.4	29.1	87.4

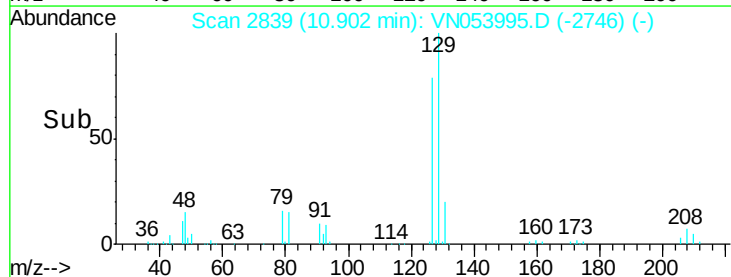
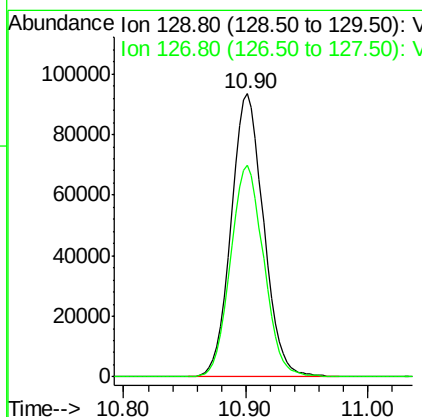
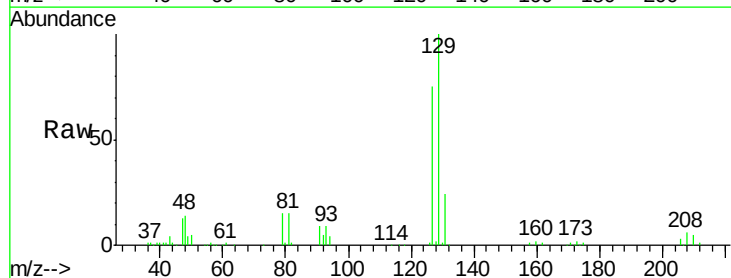
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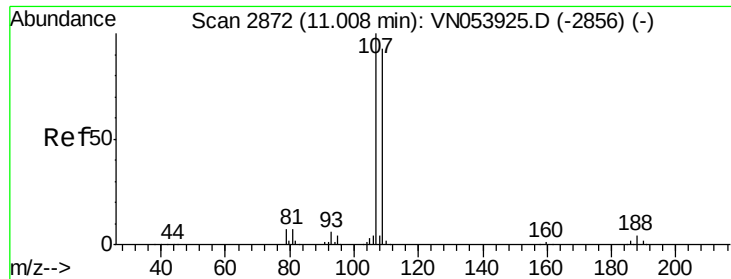
MMDadoda
3/1/2019 4:10:10 PM



#60
Dibromochloromethane
Concen: 21.046 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion	129	Resp	172940	
Ion Ratio	129	100	Lower	Upper
127	76.4	38.8	116.3	





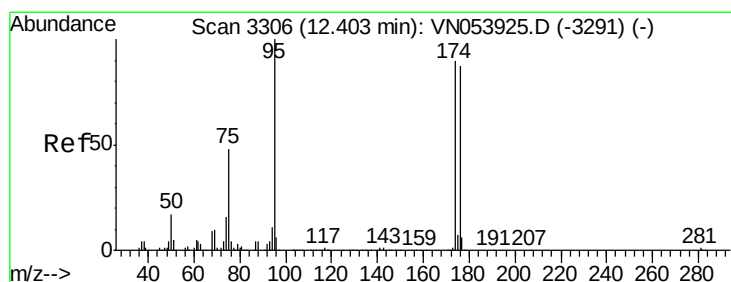
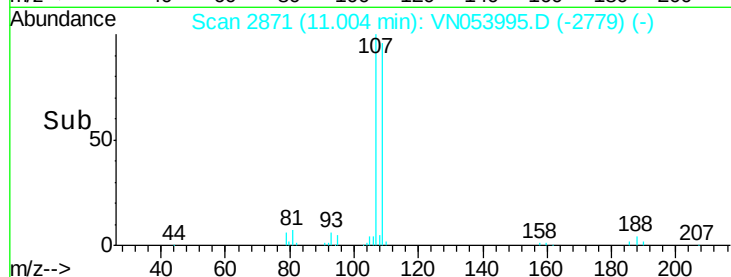
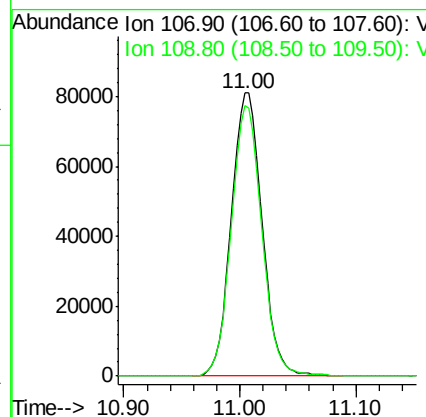
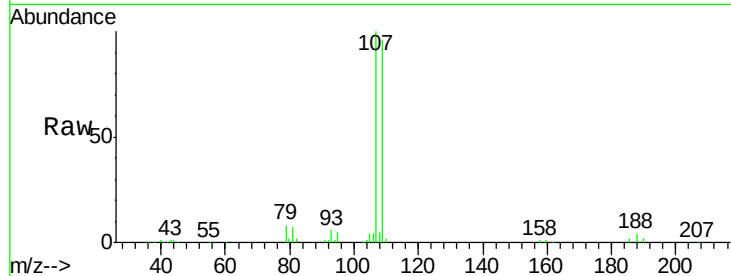
#61
 1,2-Dibromoethane
 Concen: 20.785 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.3	114.5

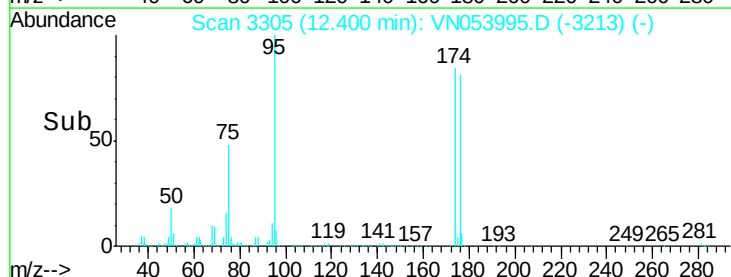
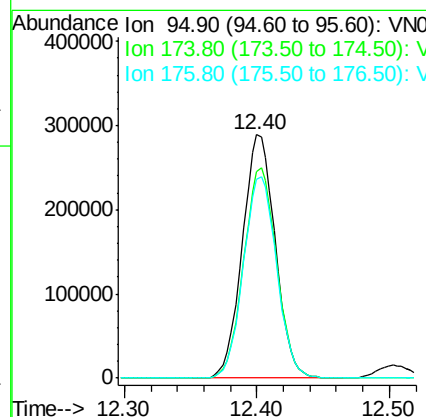
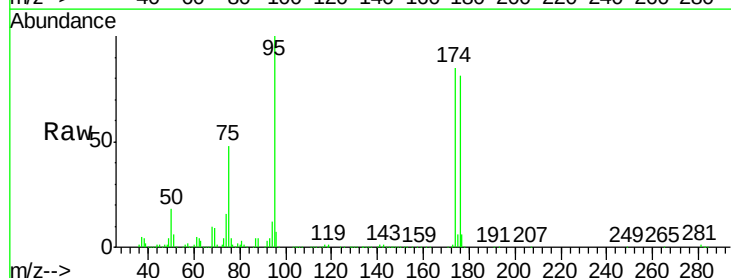
Manual Integrations
 APPROVED

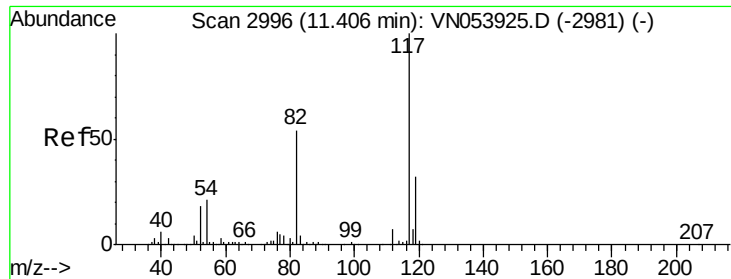
MMDadoda
 3/1/2019 4:10:10 PM



#62
 4-Bromofluorobenzene
 Concen: 52.830 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	188.8
176	83.6	0.0	182.6





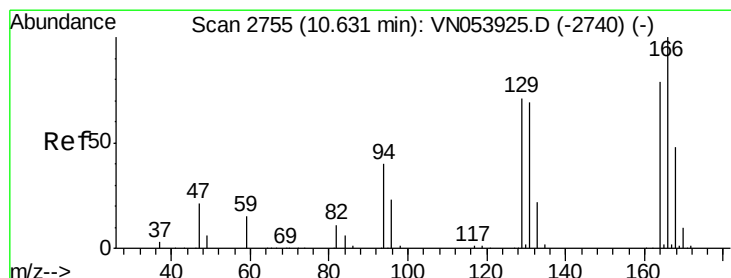
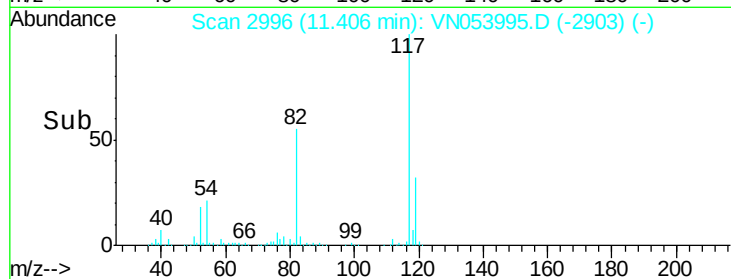
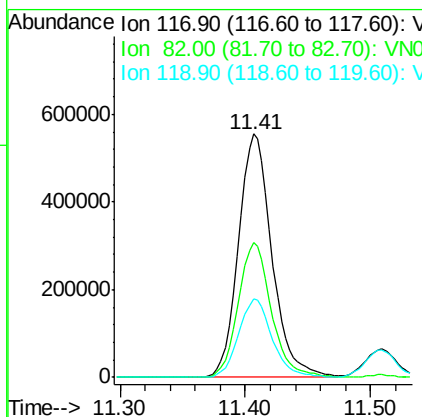
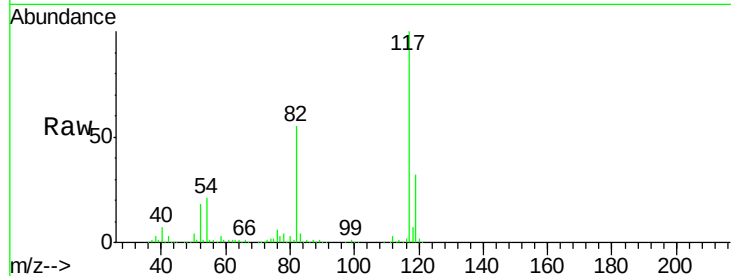
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	41.4	62.2
119	32.1	25.3	37.9

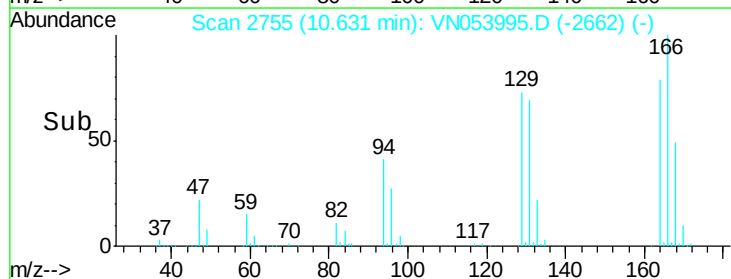
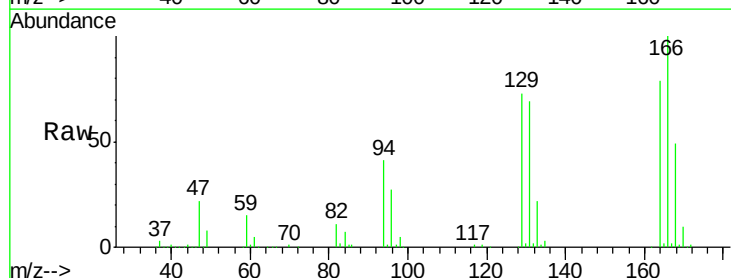
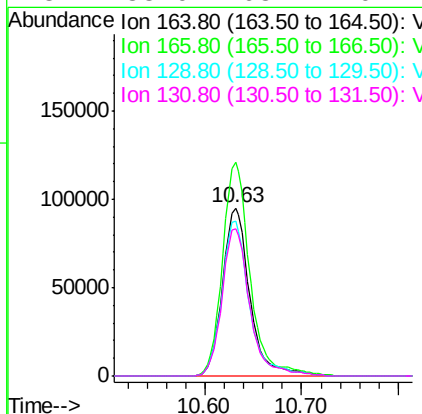
Manual Integrations
APPROVED

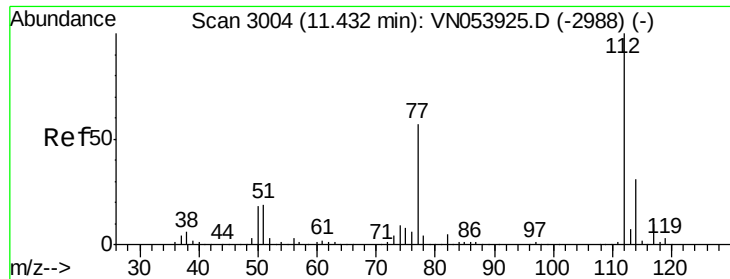
MMDadoda
3/1/2019 4:10:10 PM



#64
Tetrachloroethene
Concen: 21.406 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.6	153.8
129	92.4	69.4	104.0
131	88.0	68.1	102.1





#65

Chlorobenzene

Concen: 20.844 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

ClientSampled :

VN0228WBS01

Tot Ion:112 Resp: 453643

Ion Ratio Lower Upper

112 100

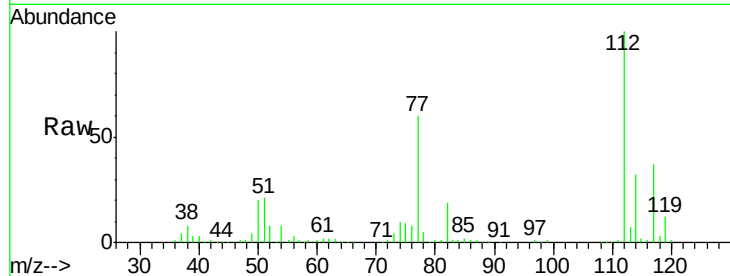
114 32.0 25.7 38.5

Manual Integrations

APPROVED

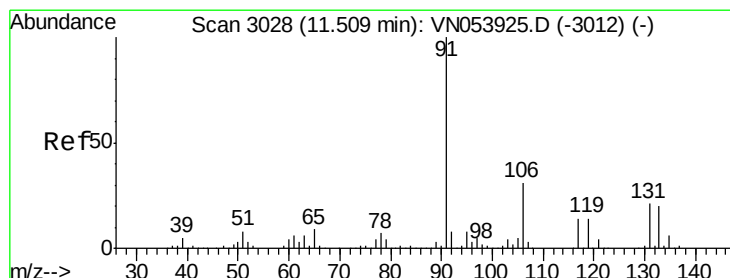
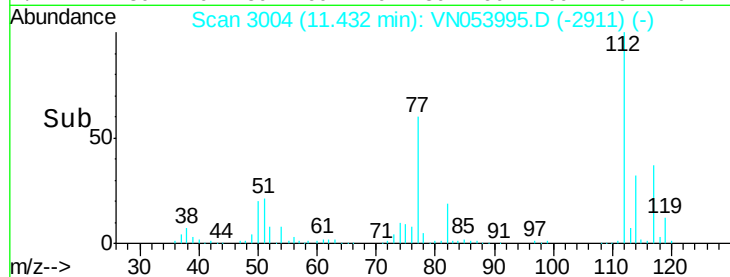
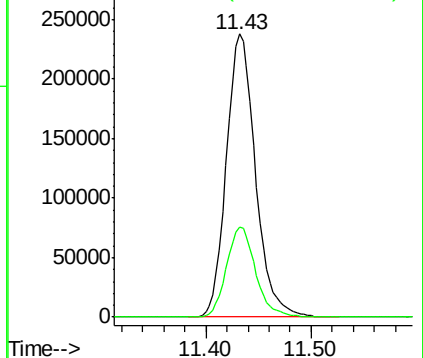
MMDadoda

3/1/2019 4:10:10 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.185 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

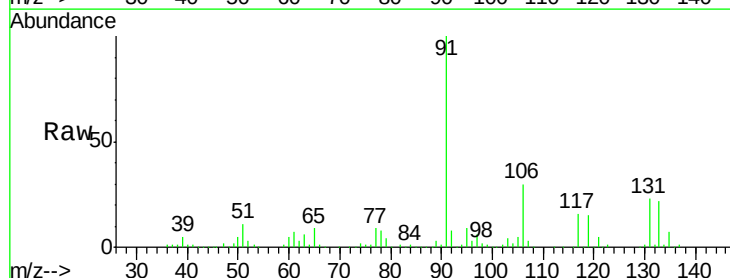
Tgt Ion:131 Resp: 166167

Ion Ratio Lower Upper

131 100

133 95.2 47.7 143.1

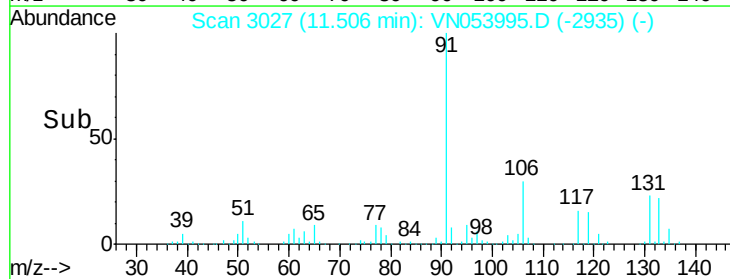
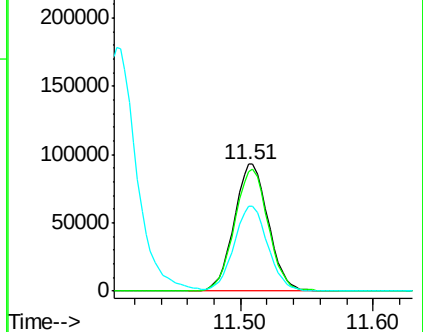
119 66.2 33.1 99.3

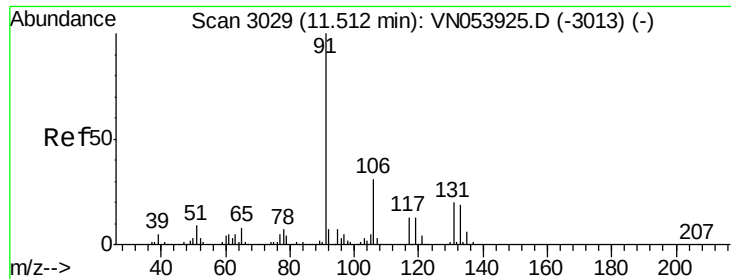


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





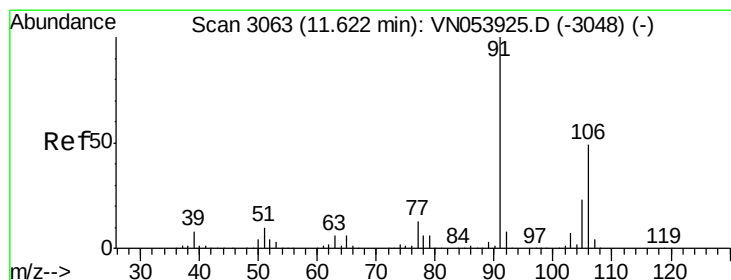
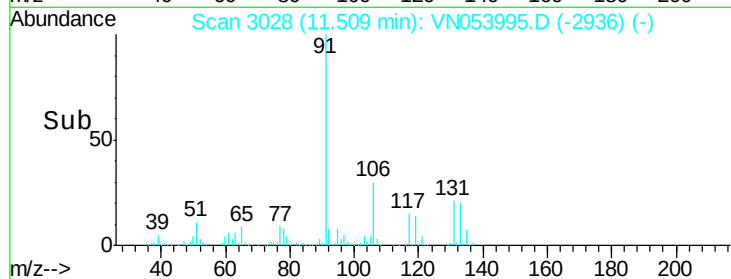
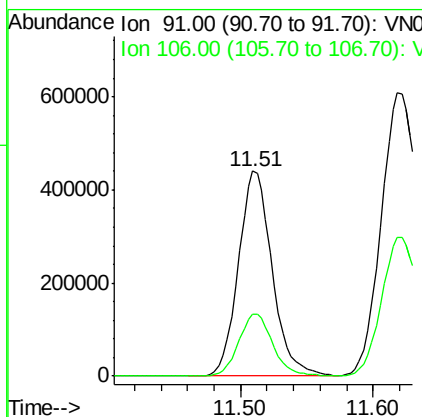
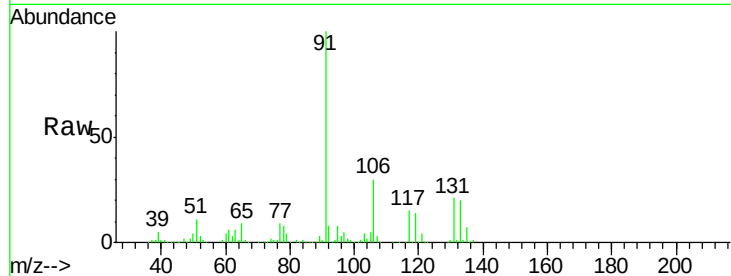
#67
Ethyl Benzene
Concen: 21.379 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.2	37.8

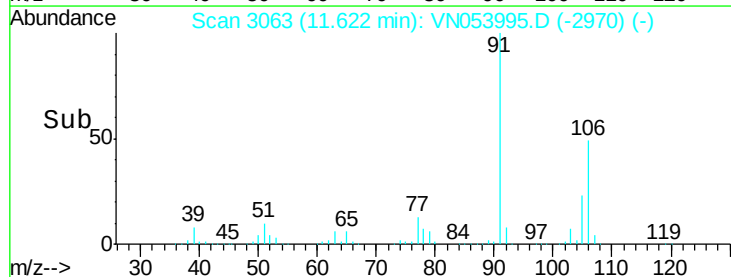
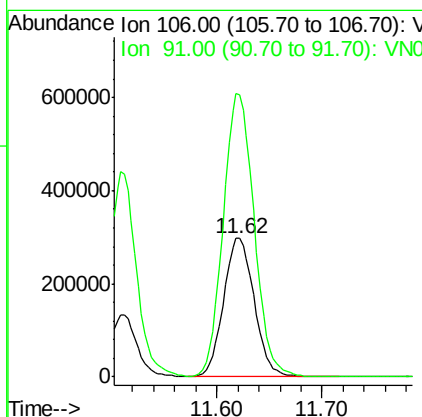
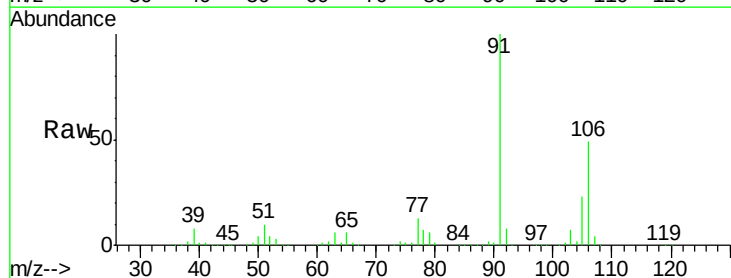
Manual Integrations
APPROVED

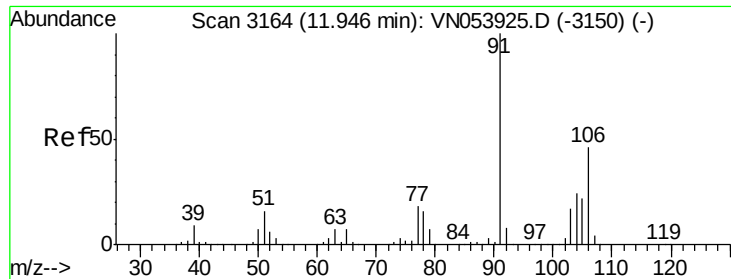
MMDadoda
3/1/2019 4:10:10 PM



#68
m/p-Xylenes
Concen: 43.621 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.8	158.9	238.3





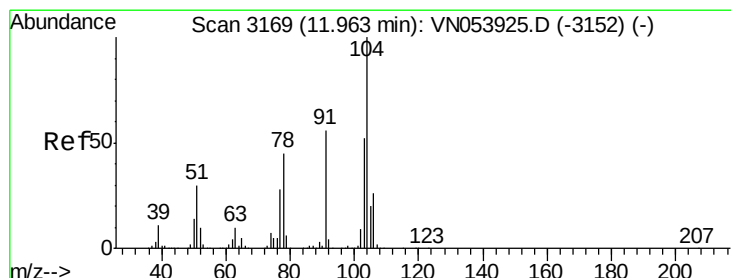
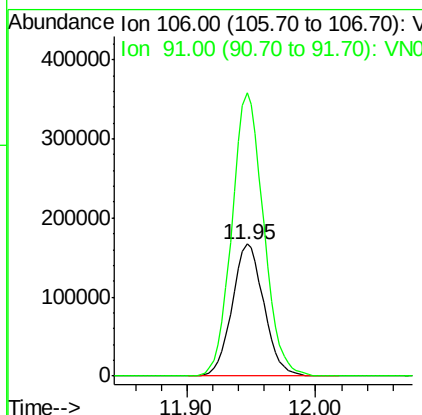
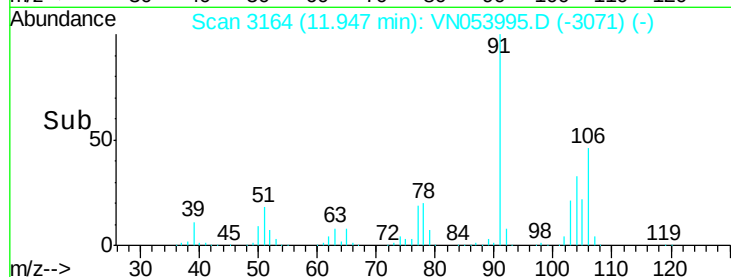
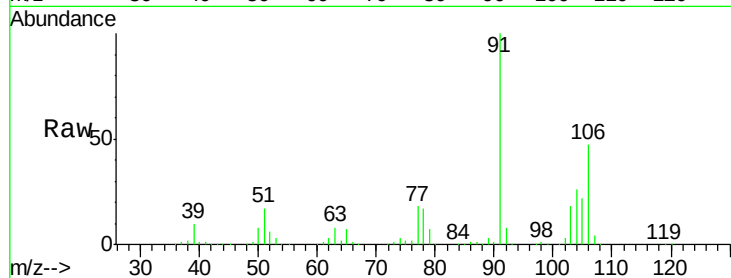
#69
o-Xylene
Concen: 21.043 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBS01

Tot Ion:106 Resp: 284727
Ion Ratio Lower Upper
106 100
91 214.4 106.0 318.0

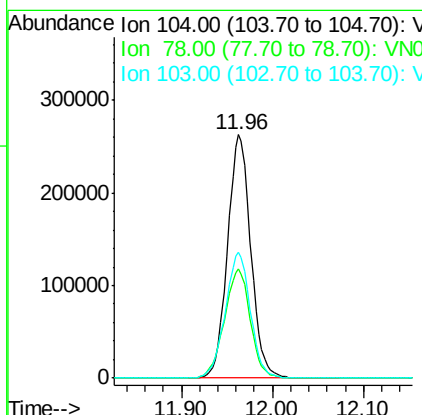
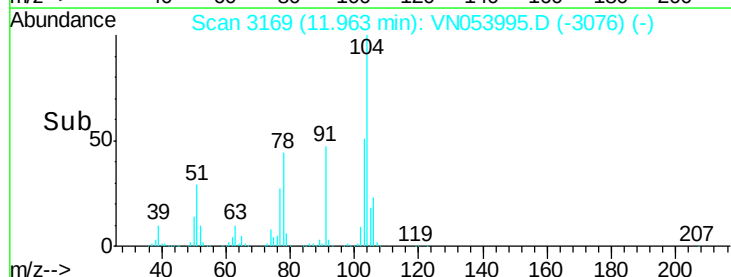
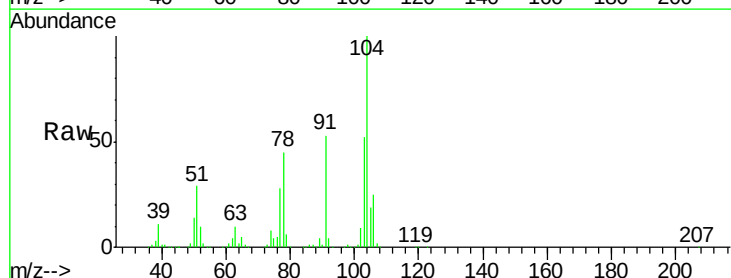
Manual Integrations
APPROVED

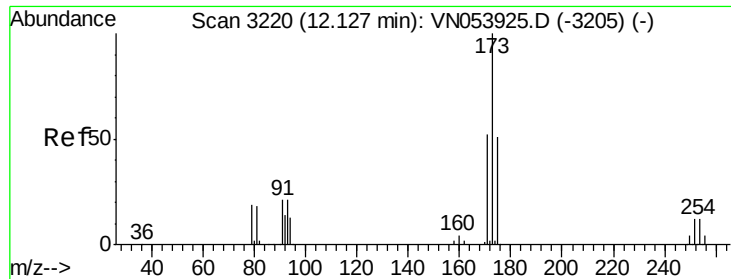
MMDadoda
3/1/2019 4:10:10 PM



#70
Styrene
Concen: 22.370 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion:104 Resp: 465559
Ion Ratio Lower Upper
104 100
78 49.7 38.1 57.1
103 55.7 44.6 67.0





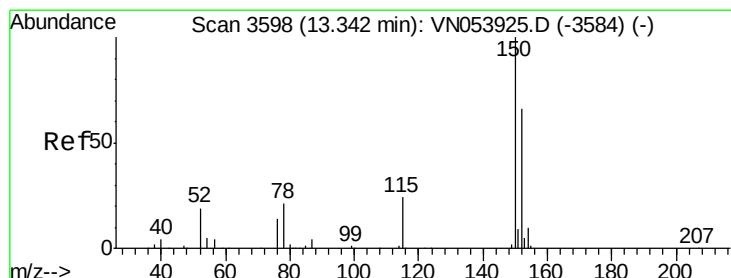
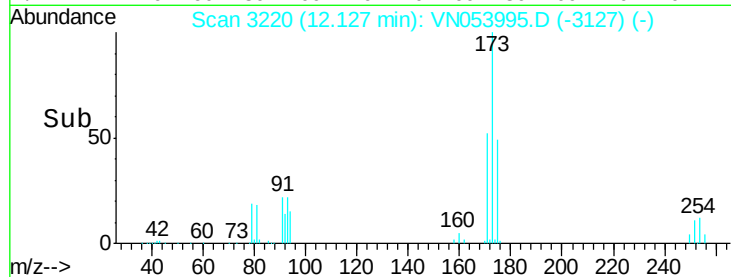
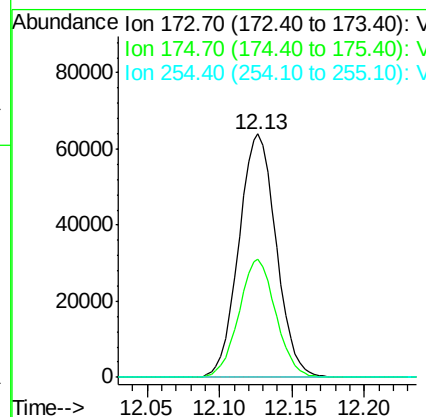
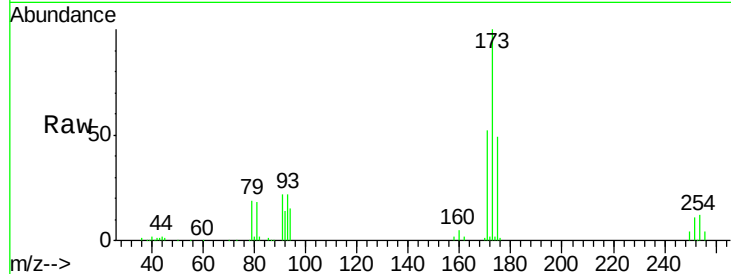
#71
Bromoform
Concen: 20.942 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	72.8
254	0.0	0.2	0.2

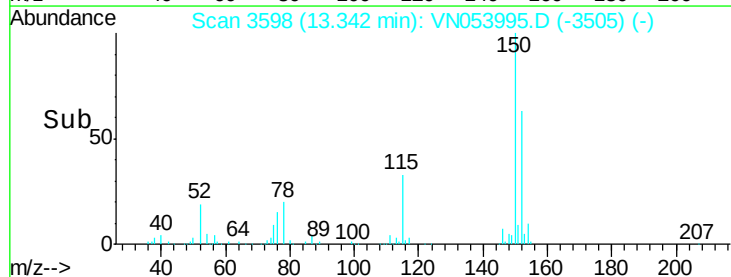
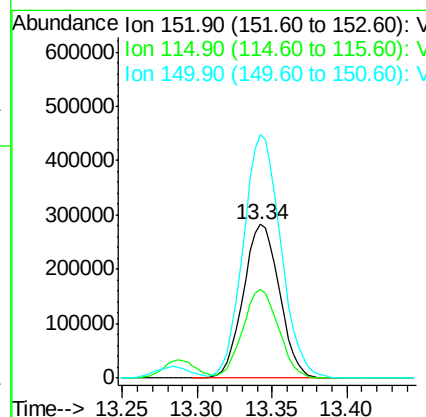
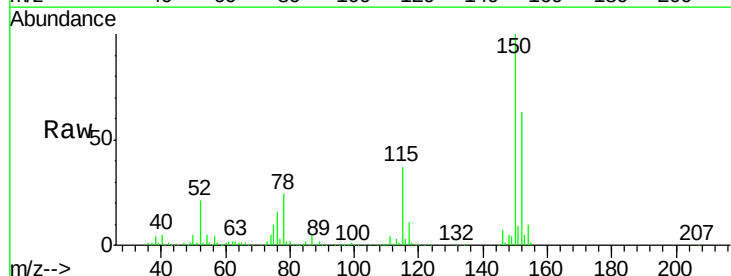
Manual Integrations
APPROVED

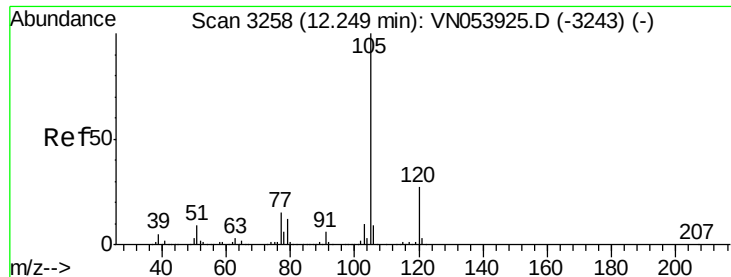
MMDadoda
3/1/2019 4:10:10 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	27.2	81.6
150	164.6	0.0	348.2





#73

Isopropylbenzene

Concen: 20.509 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

ClientSampled :

VN0228WBS01

Tot Ion:105 Resp: 760035

Ion Ratio Lower Upper

105 100

120 26.3

13.5

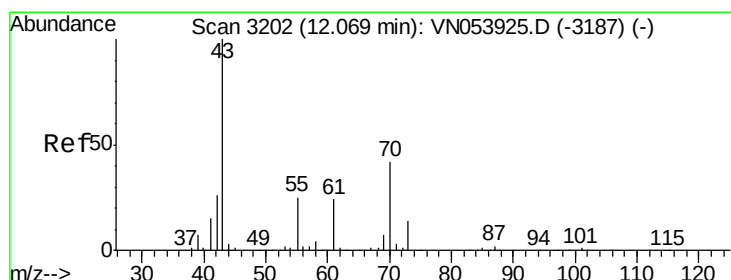
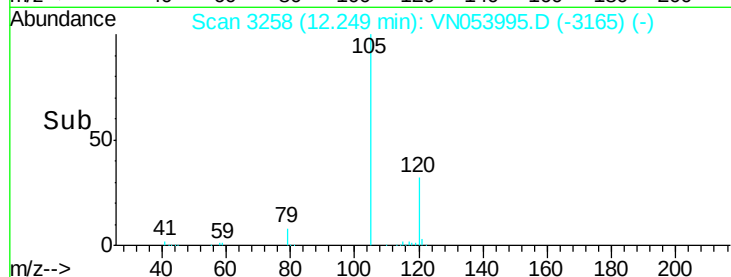
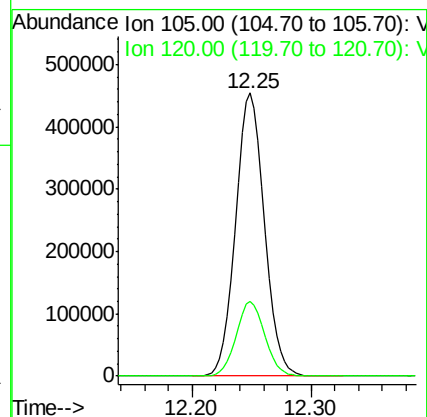
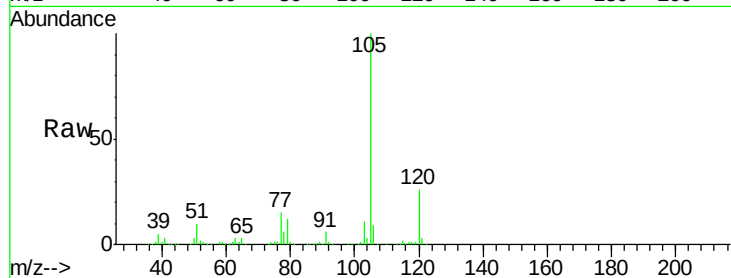
40.5

Manual Integrations

APPROVED

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#74

N-ethyl acetate

Concen: 20.819 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Tgt Ion: 43 Resp: 202210

Ion Ratio Lower Upper

43 100

70 40.7

55 26.0

61 23.4

37.4

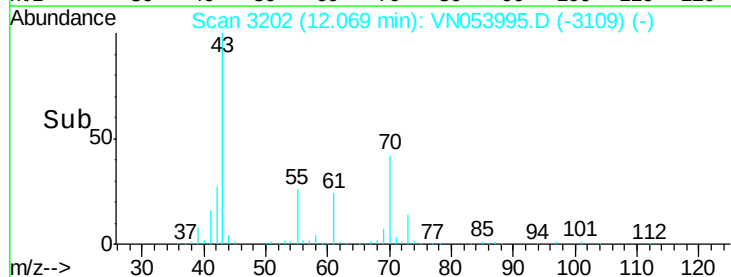
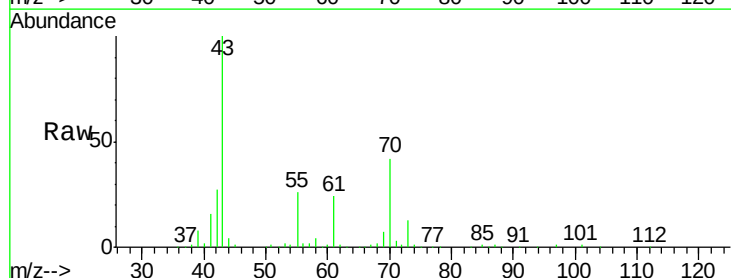
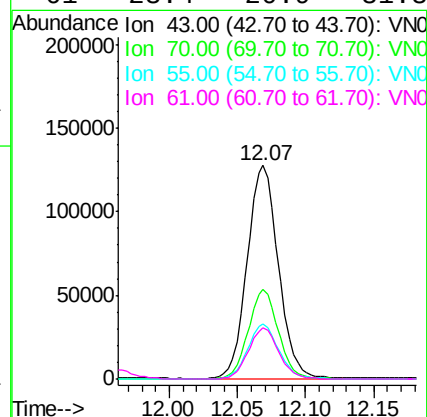
21.4

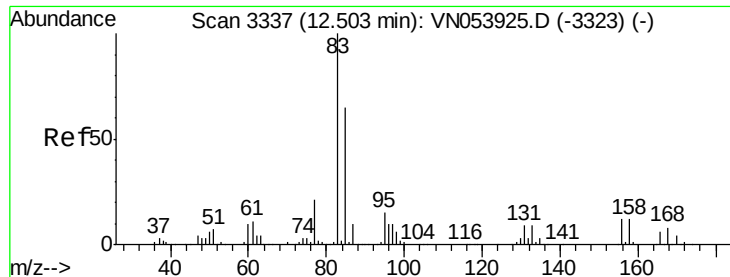
20.9

56.2

32.0

31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.117 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

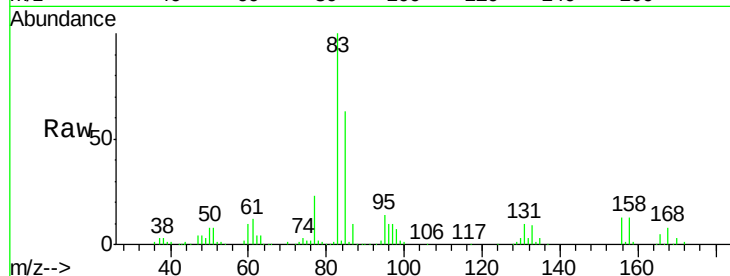
ClientSampleId :

VN0228WBS01

Tot Ion:	83	Resp:	186423
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.3	16.1
85	63.1	31.9	95.9

Manual Integrations
APPROVED

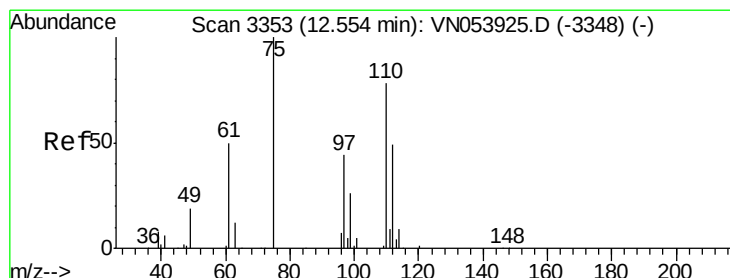
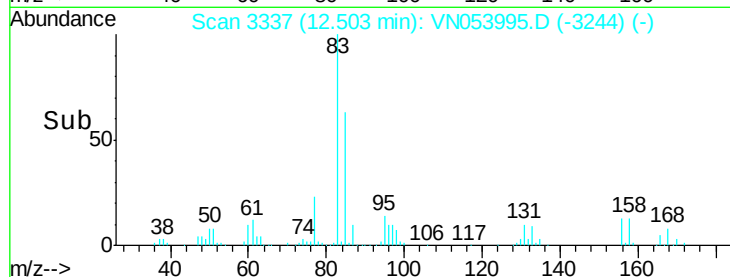
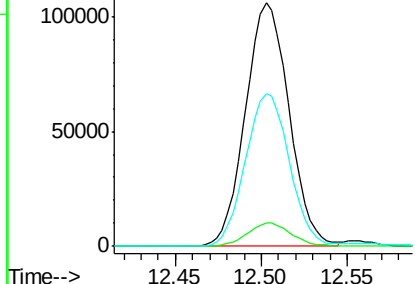
MMDadoda
3/1/2019 4:10:10 PM



Abundance Ion 82.90 (82.60 to 83.60): VN053995.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN053995.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN053995.D (-3337) (-)



#76

1,2,3-Trichloropropane

Concen: 21.848 ug/l m

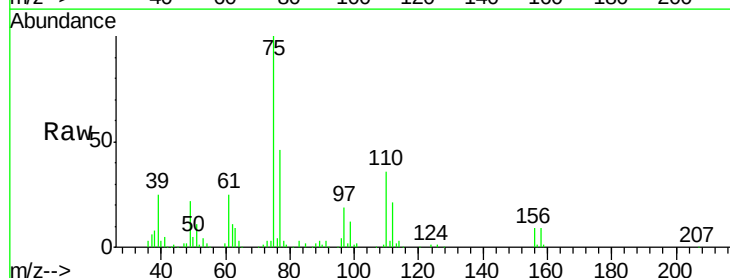
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053995.D

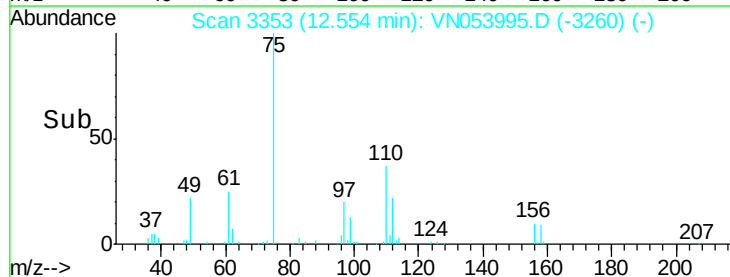
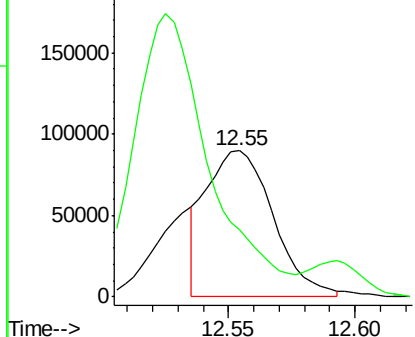
Acq: 28 Feb 2019 10:50

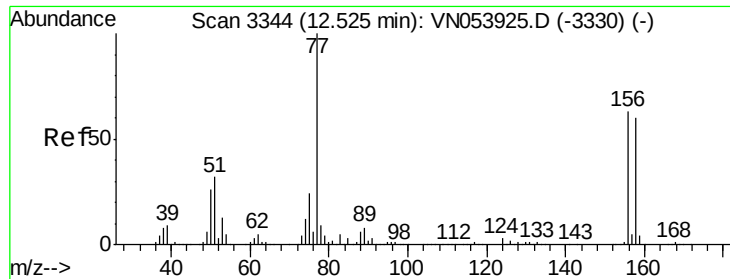
Tgt Ion:	75	Resp:	166852
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053995.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN053995.D (-3353) (-)





#77

Bromobenzene

Concen: 20.216 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

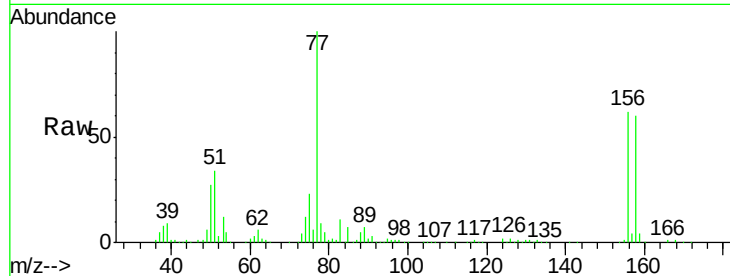
ClientSampleId :

VN0228WBS01

Tot Ion:	156	Resp:	190209
Ion Ratio	Lower	Upper	
156	100		
77	189.8	84.0	252.2
158	97.6	48.5	145.6

Manual Integrations
APPROVED

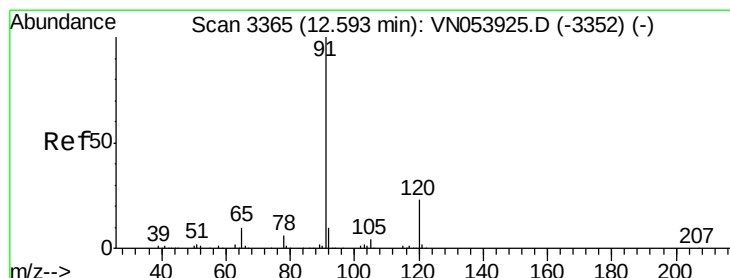
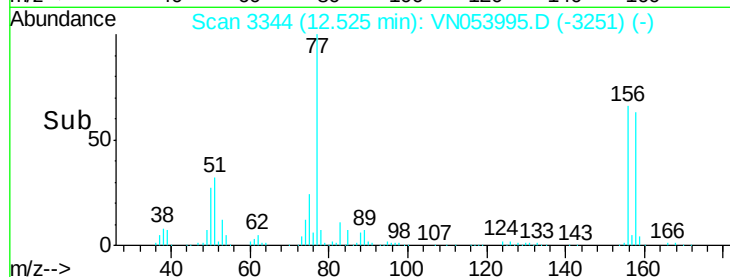
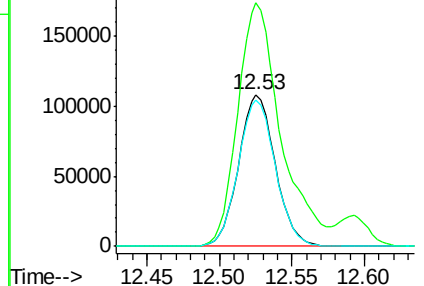
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.402 ug/l

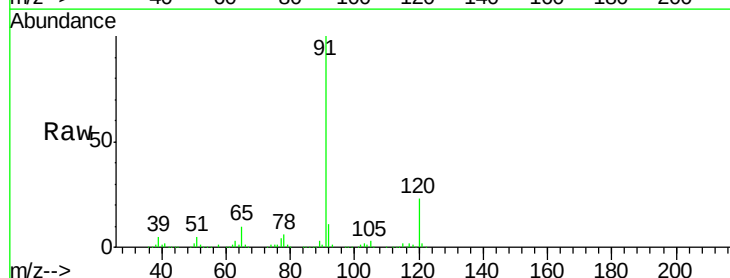
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053995.D

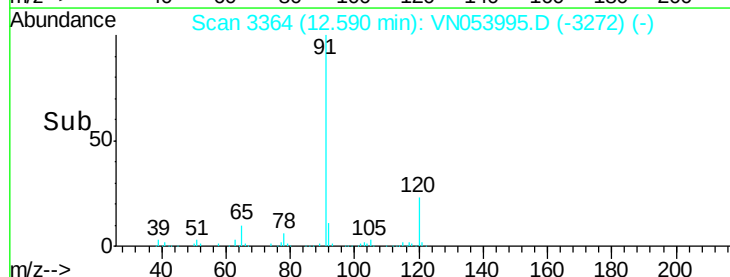
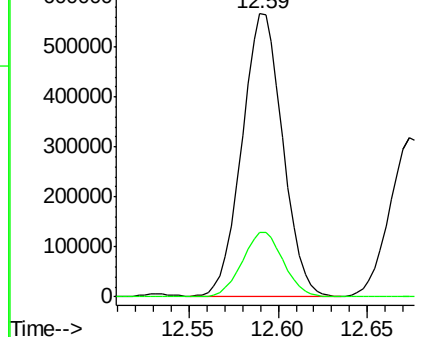
Acq: 28 Feb 2019 10:50

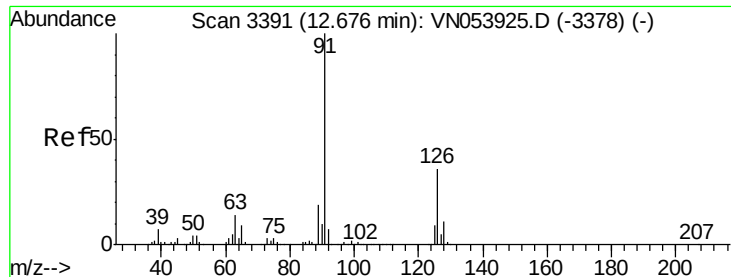
Tgt Ion:	91	Resp:	901980
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.929 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN0228WBS01

Tot Ion: 91 Resp: 529858

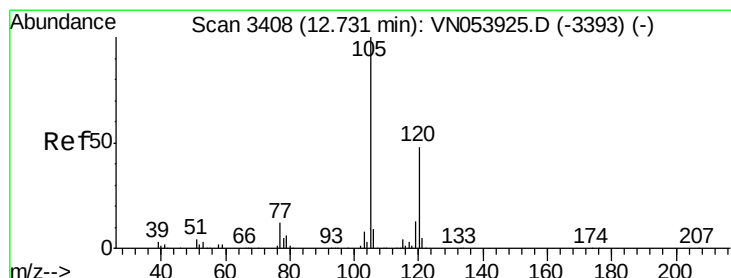
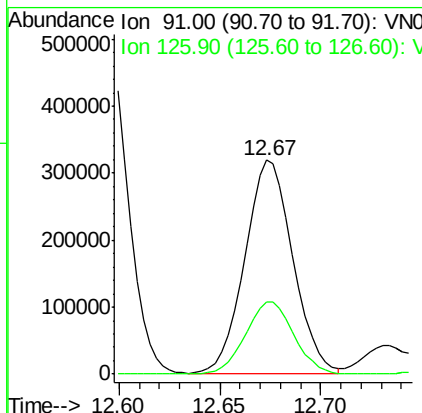
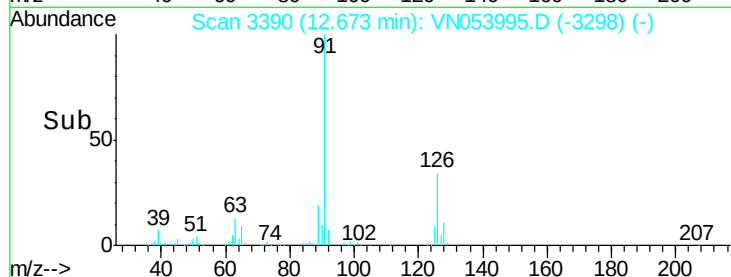
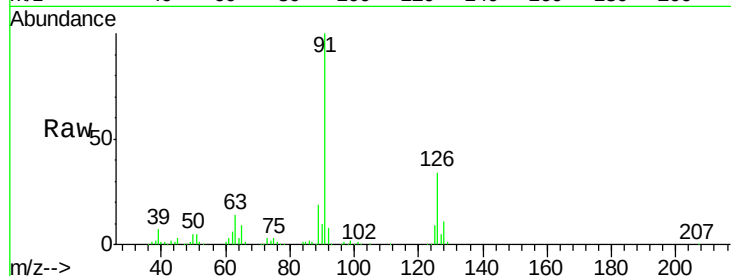
Ion Ratio Lower Upper

91 100

126 34.2 18.1 54.4

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 21.503 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053995.D

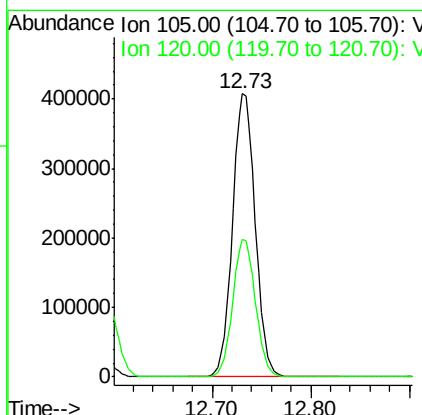
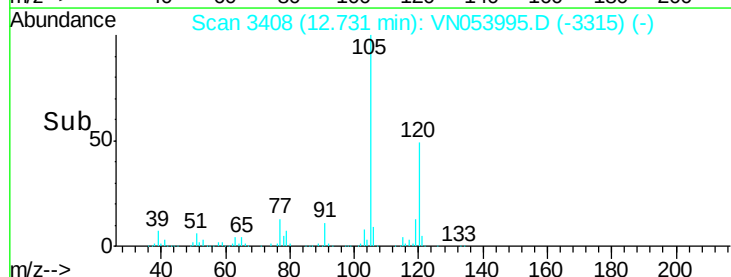
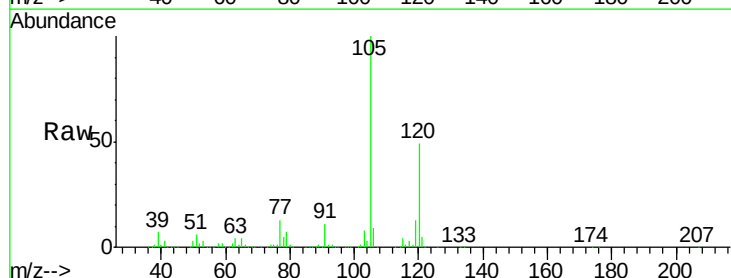
Acq: 28 Feb 2019 10:50

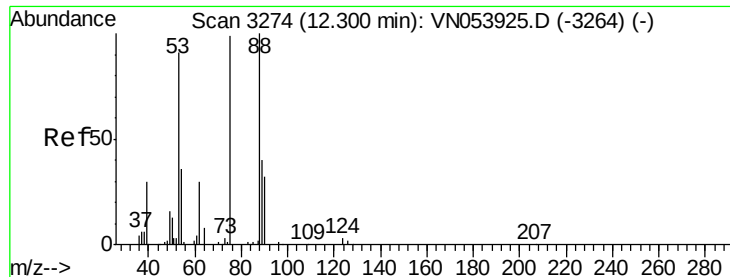
Tgt Ion: 105 Resp: 652354

Ion Ratio Lower Upper

105 100

120 48.8 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.867 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

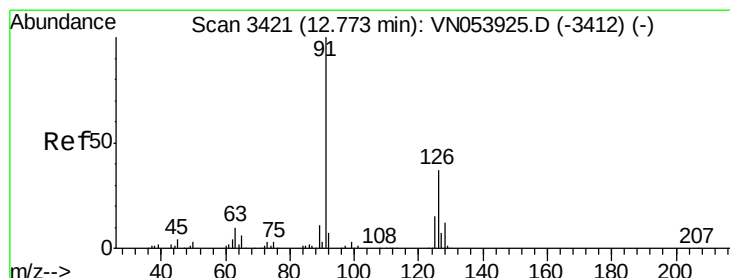
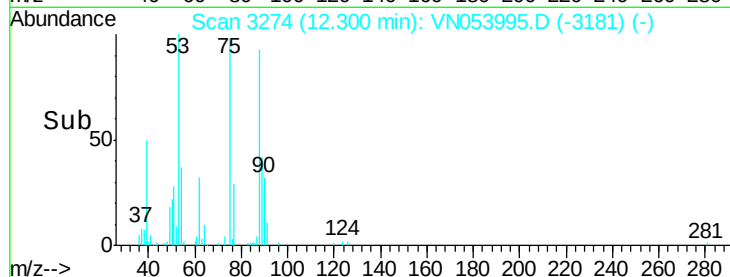
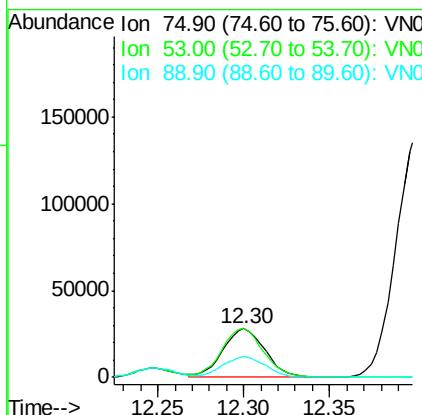
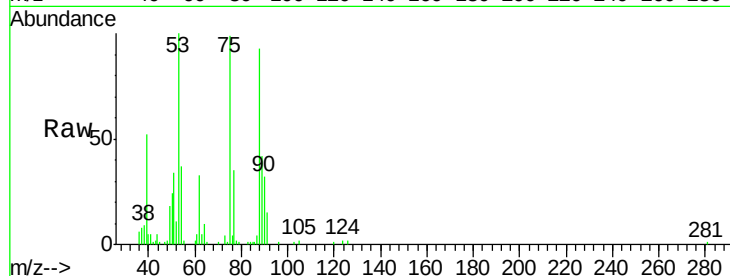
ClientSampleId :

VN0228WBS01

Tot Ion:	75	Resp:	48004
Ion	Ratio	Lower	Upper
75	100		
53	100.8	68.6	102.8
89	44.0	35.3	52.9

Manual Integrations
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3/1/2019 4:10:10 PM



#82

4-Chlorotoluene

Concen: 21.533 ug/l

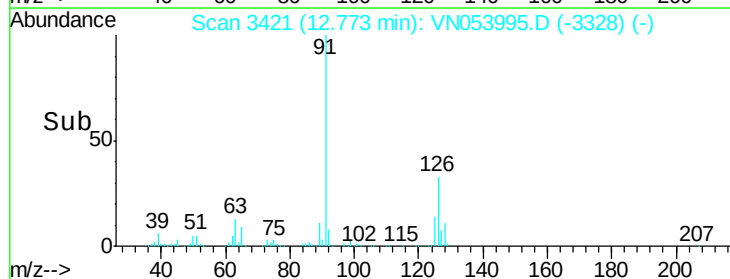
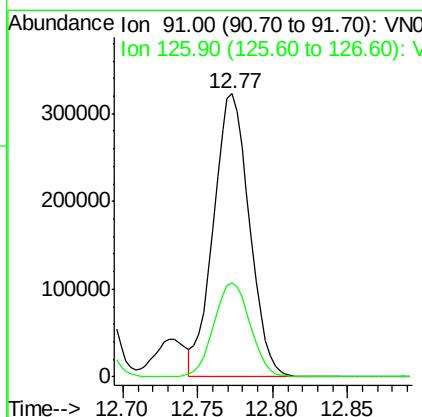
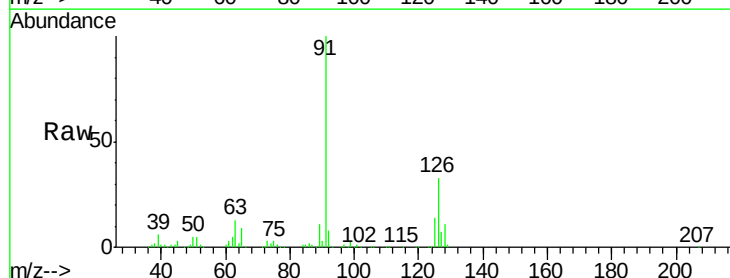
RT: 12.77 min Scan# 3421

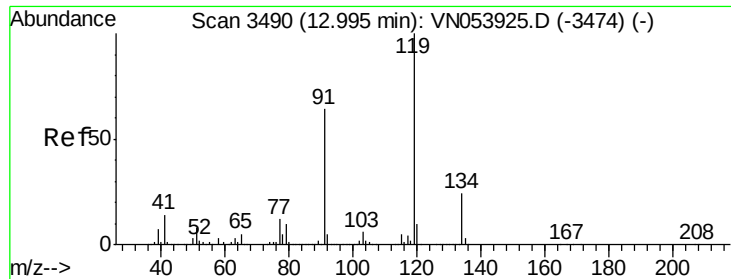
Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Tgt Ion:	91	Resp:	538794
Ion	Ratio	Lower	Upper
91	100		
126	33.7	18.0	54.0





#83

tert-Butylbenzene

Concen: 20.894 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

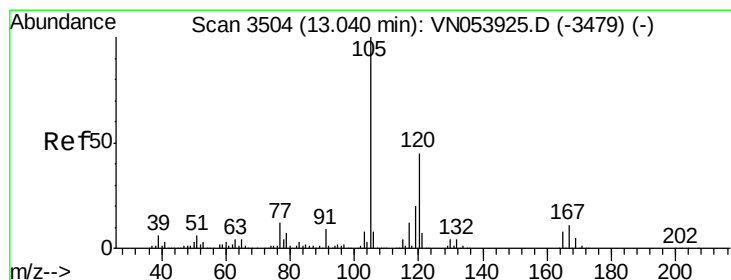
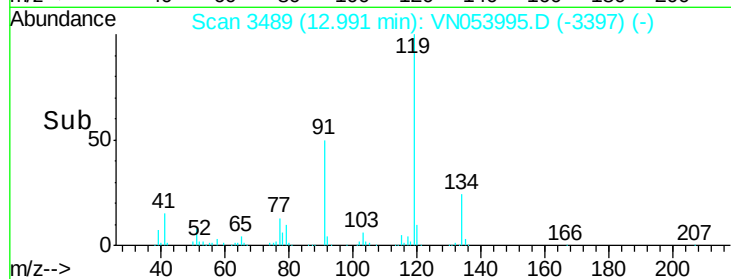
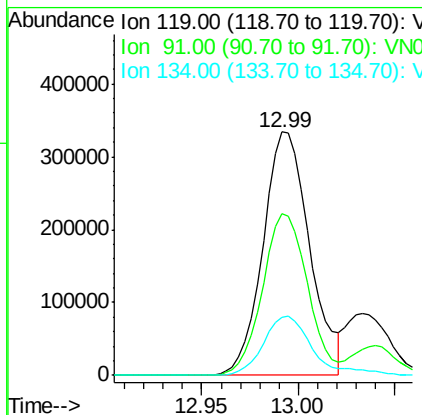
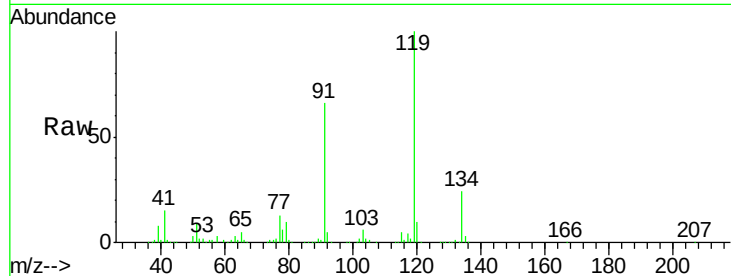
ClientSampled :

VN0228WBS01

Tot Ion:	119	Resp:	560631
Ion Ratio	Lower	Upper	
119	100		
91	64.1	30.6	91.8
134	25.7	13.0	39.0

Manual Integrations
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3/1/2019 4:10:10 PM



#84

1,2,4-Trimethylbenzene

Concen: 21.575 ug/l

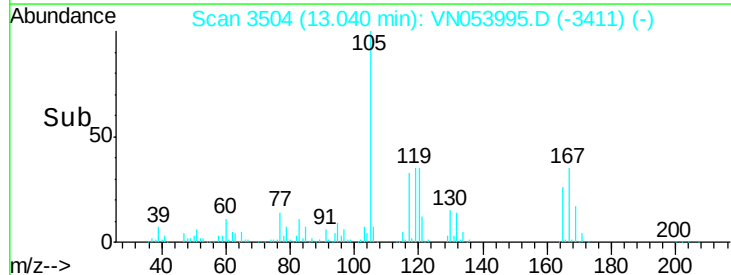
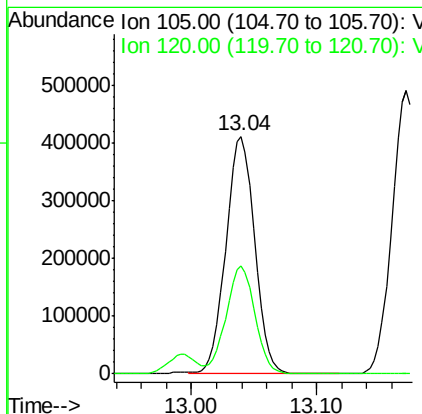
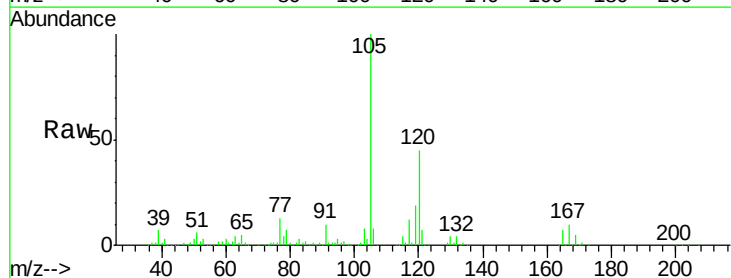
RT: 13.04 min Scan# 3504

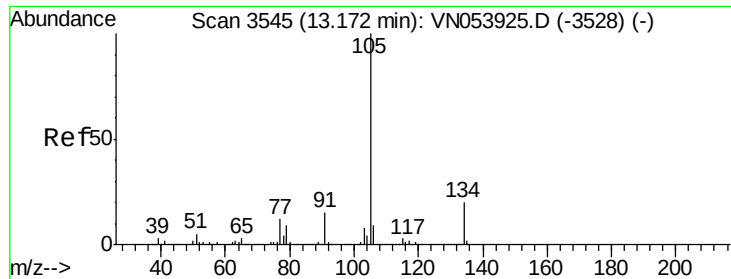
Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Tgt Ion:	105	Resp:	653454
Ion Ratio	Lower	Upper	
105	100		
120	45.4	23.2	69.5





#85

sec-Butylbenzene

Concen: 21.319 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

ClientSampled :

VN0228WBS01

Tot Ion:105 Resp: 781298

Ion Ratio Lower Upper

105 100

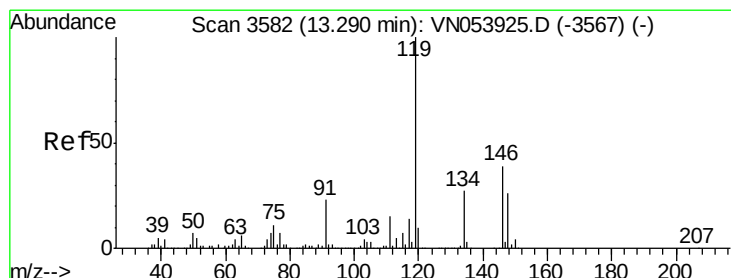
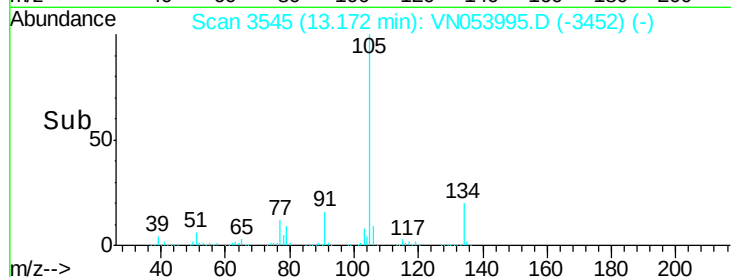
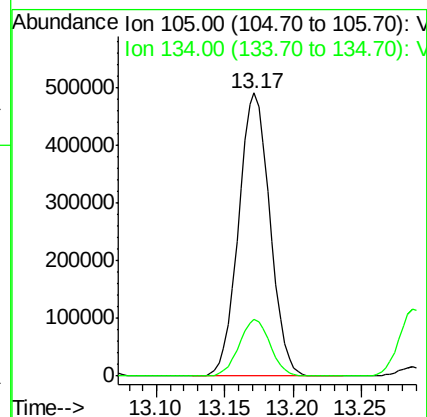
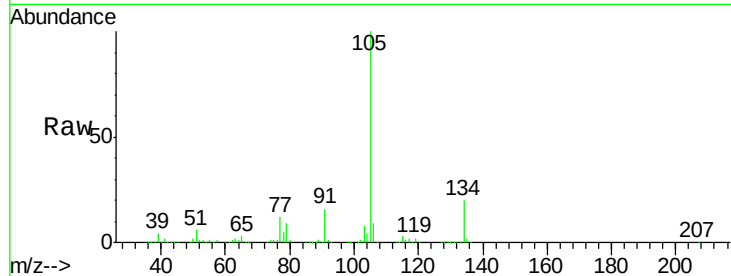
134 19.9 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.651 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

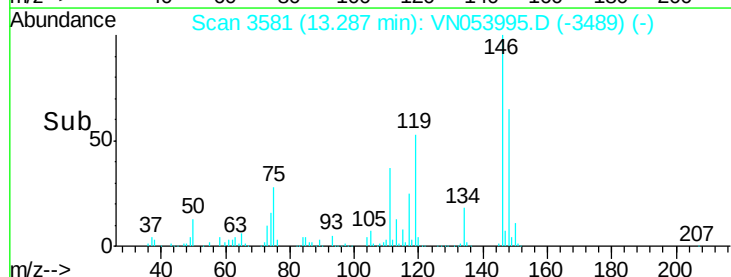
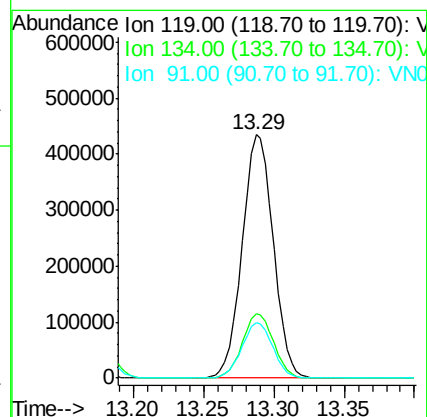
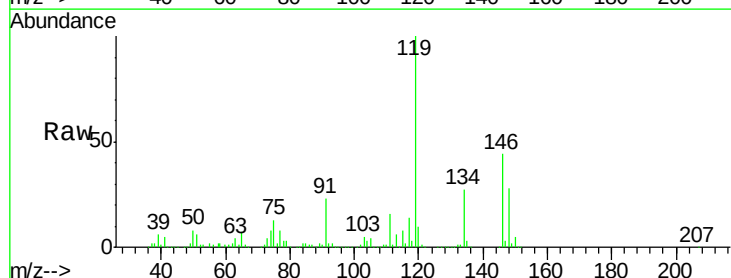
Tgt Ion:119 Resp: 670774

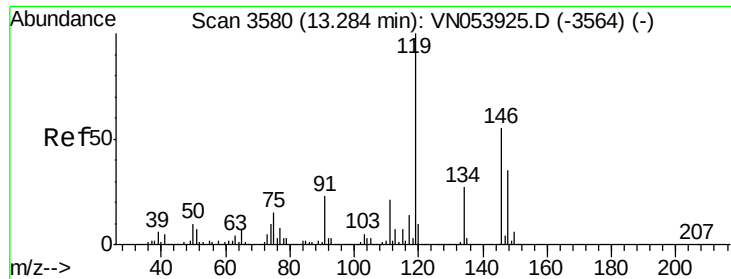
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 22.7 10.9 32.6





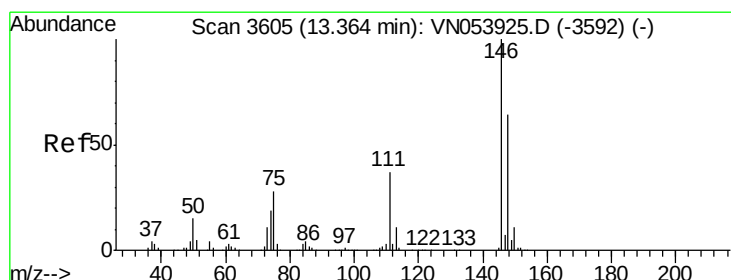
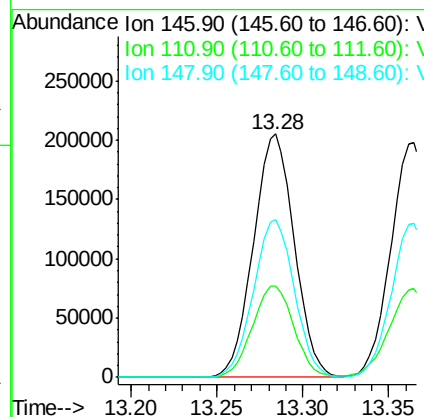
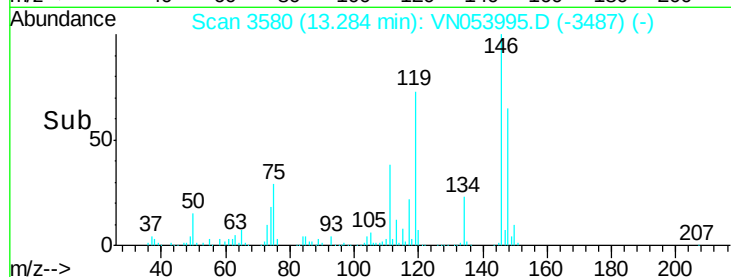
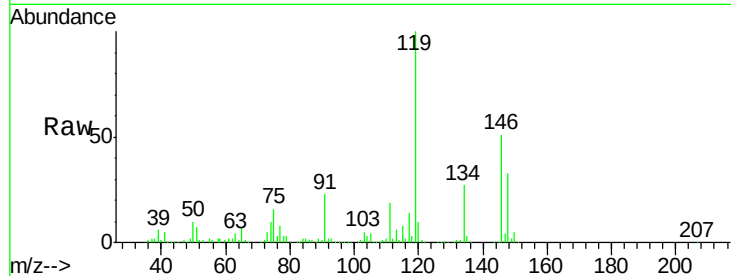
#87
 1,3-Dichlorobenzene
 Concen: 20.828 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0228WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	64.6	32.0	96.2

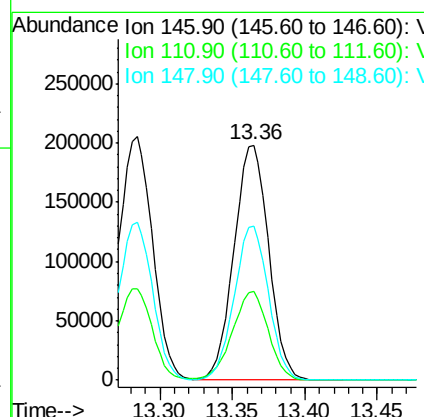
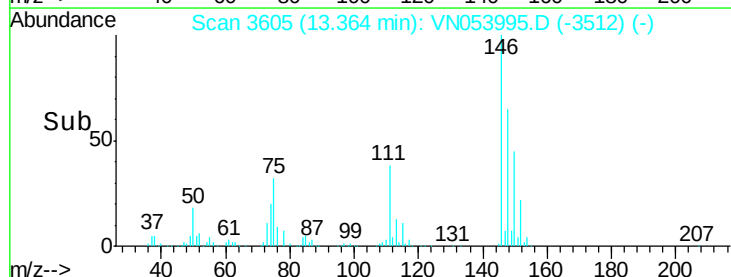
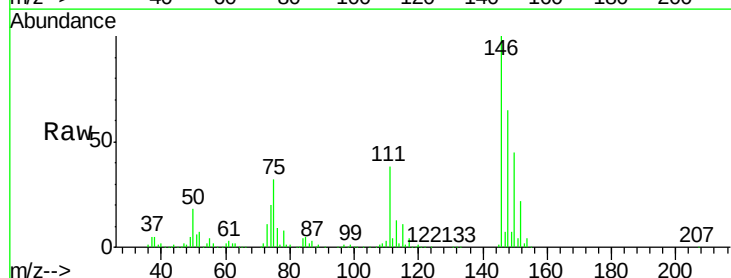
Manual Integrations
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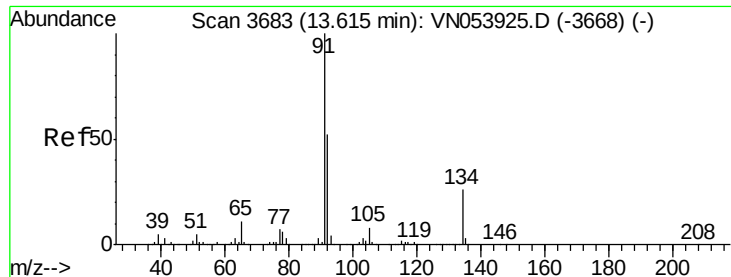
MMDadoda
 3/1/2019 4:10:10 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.889 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.0	54.0
148	64.7	32.1	96.5





#89

n-Butylbenzene

Concen: 22.292 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

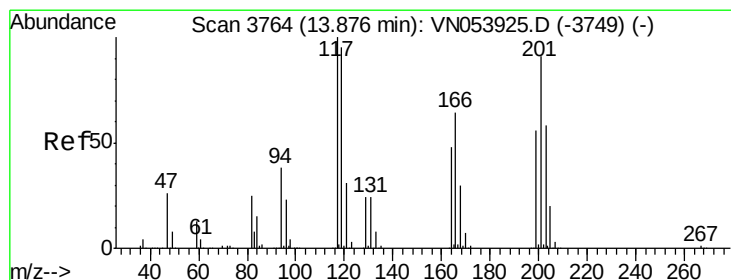
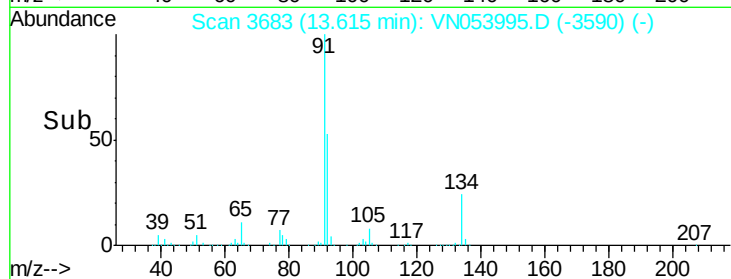
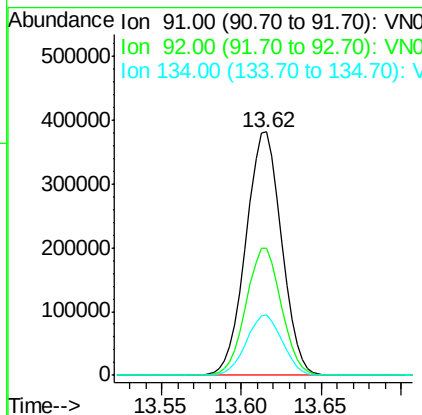
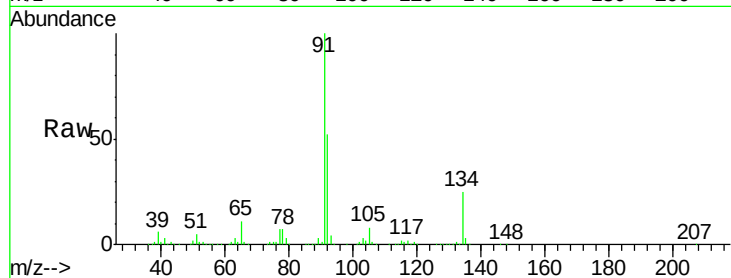
ClientSampled :

VN0228WBS01

Tot Ion:	91	Resp:	582052
Ion Ratio	Lower	Upper	
91	100		
92	51.8	26.1	78.2
134	24.9	13.6	40.8

Manual Integrations
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#90

Hexachloroethane

Concen: 19.488 ug/l

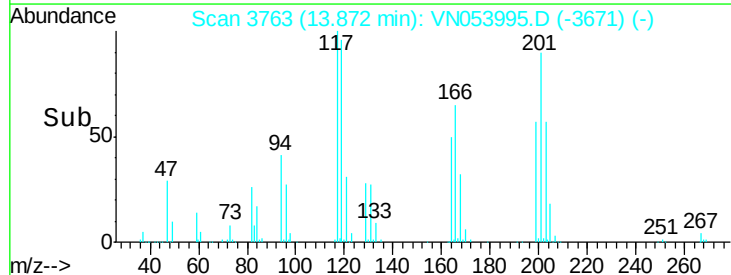
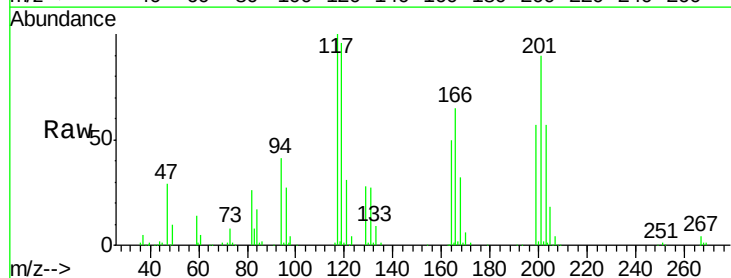
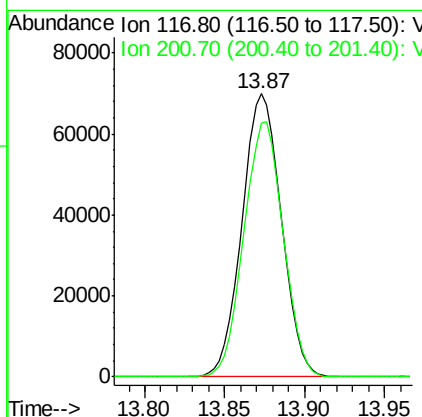
RT: 13.87 min Scan# 3763

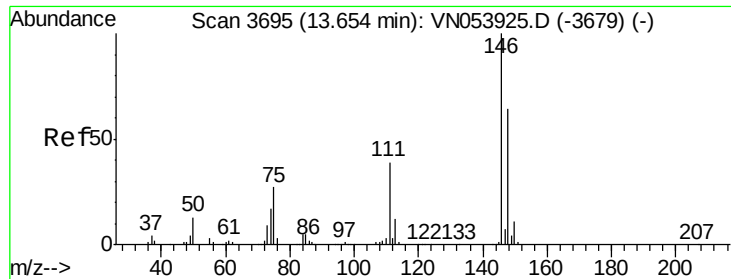
Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Tgt Ion:	117	Resp:	116999
Ion Ratio	Lower	Upper	
117	100		
201	90.4	48.0	144.2





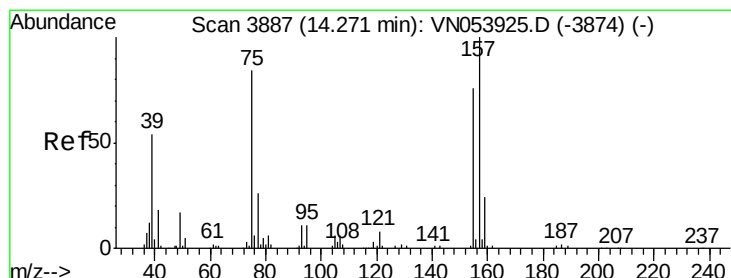
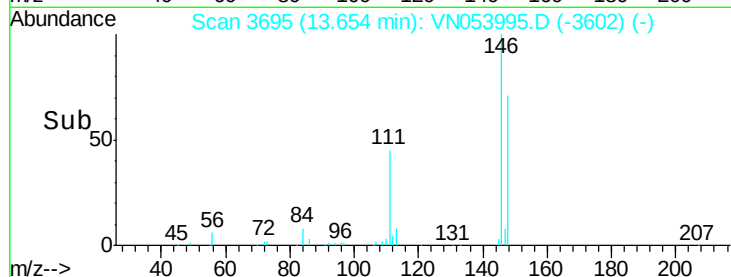
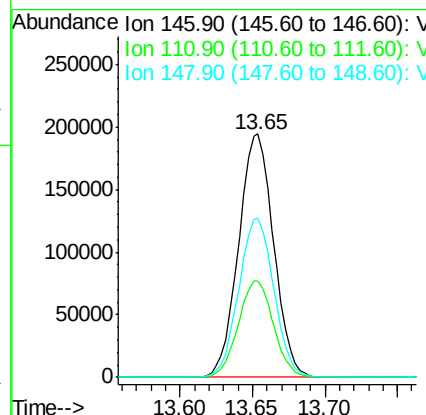
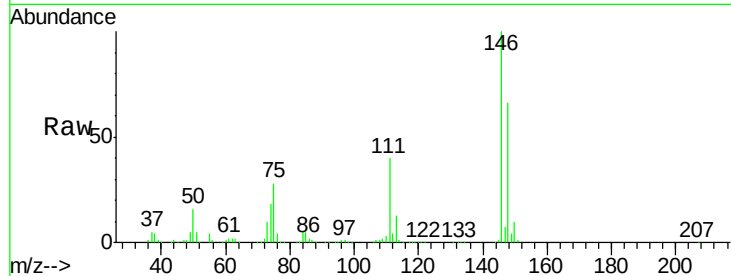
#91
 1,2-Dichlorobenzene
 Concen: 20.693 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0228WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.1	57.5
148	65.5	32.1	96.5

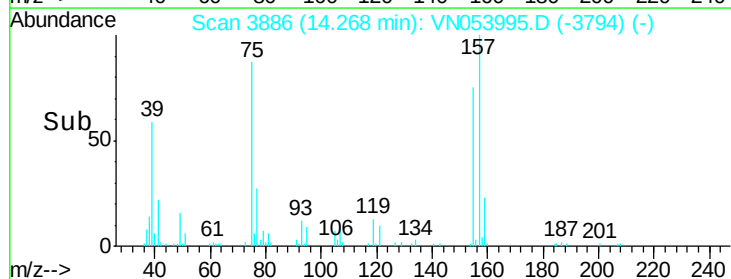
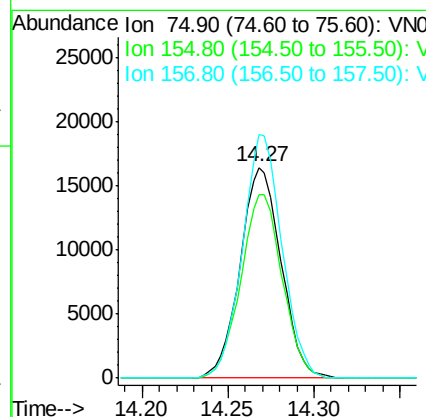
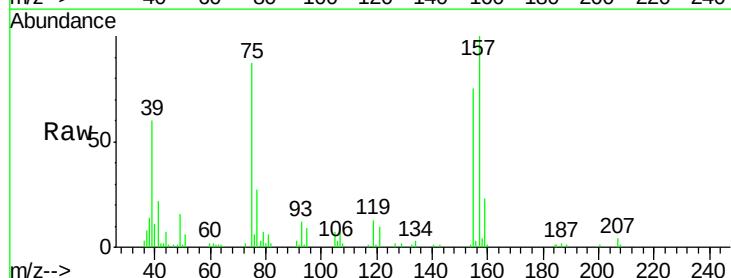
Manual Integrations
 APPROVED

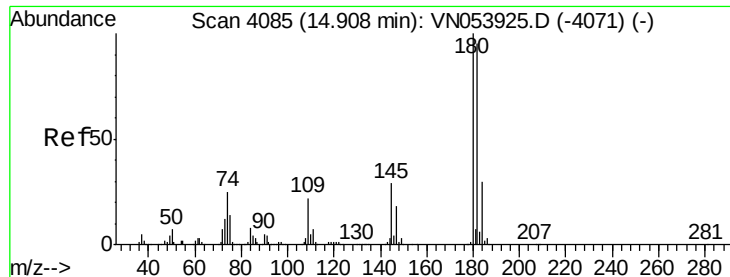
MMDadoda
 3/1/2019 4:10:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.731 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.9	49.5	148.5
157	111.6	64.8	194.6





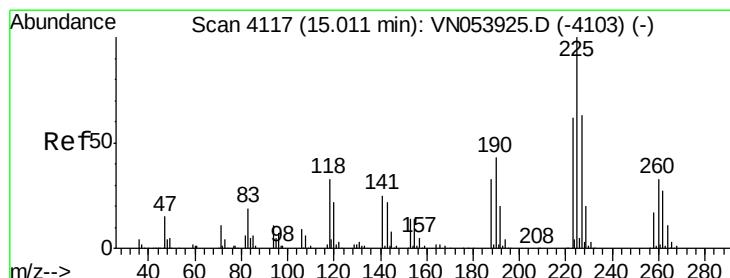
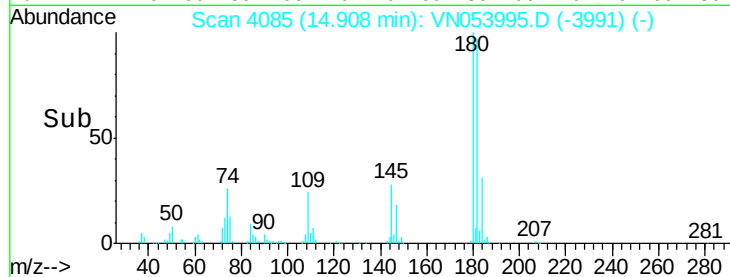
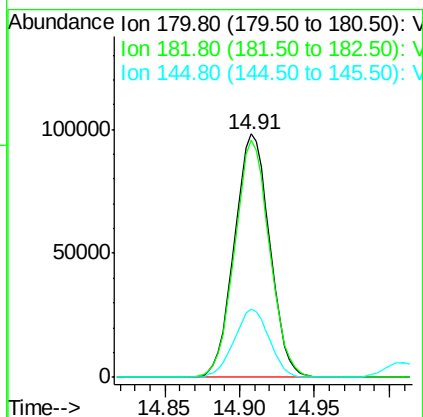
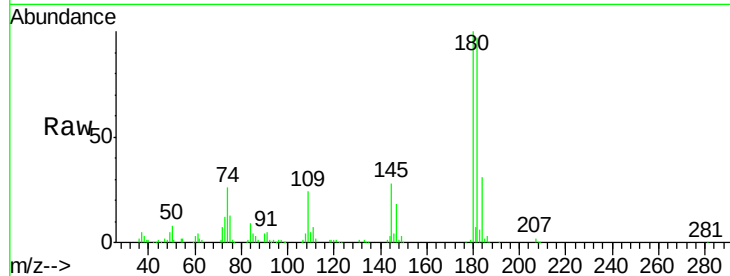
#93
 1,2,4-Trichlorobenzene
 Concen: 19.832 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0228WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	161259		
182	96.2	48.6	145.9	
145	28.0	13.8	41.3	

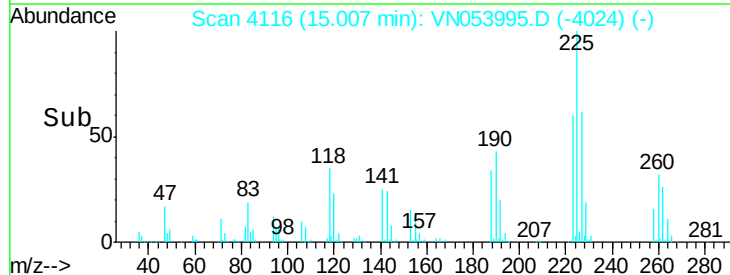
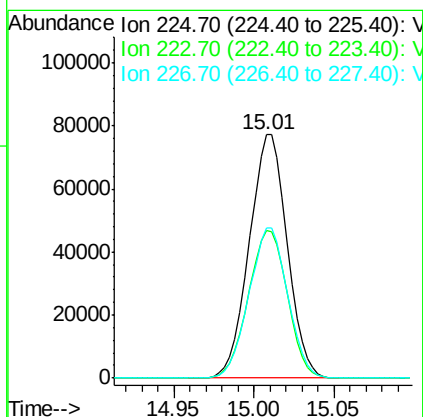
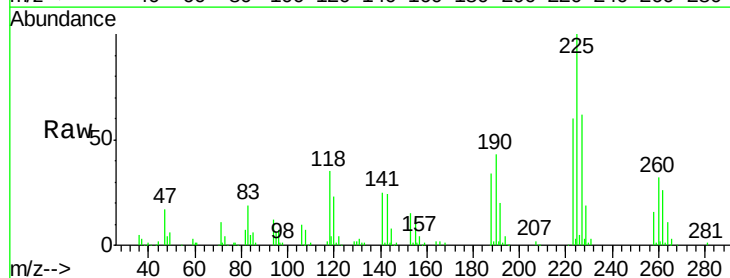
Manual Integrations
 APPROVED

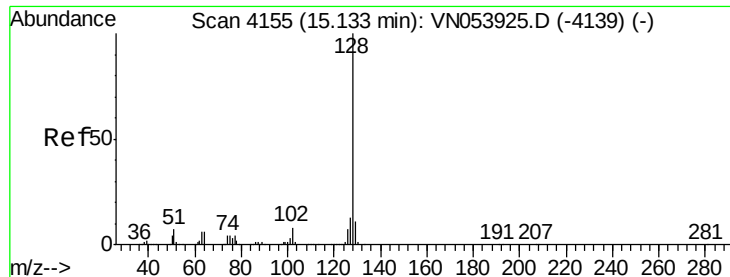
MMDadoda
 3/1/2019 4:10:10 PM



#94
 Hexachlorobutadiene
 Concen: 22.007 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	125253		
223	62.2	30.9	92.5	
227	63.0	32.5	97.4	





#95

Naphthalene

Concen: 18.043 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

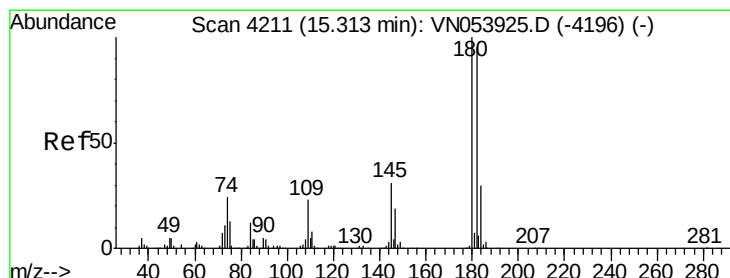
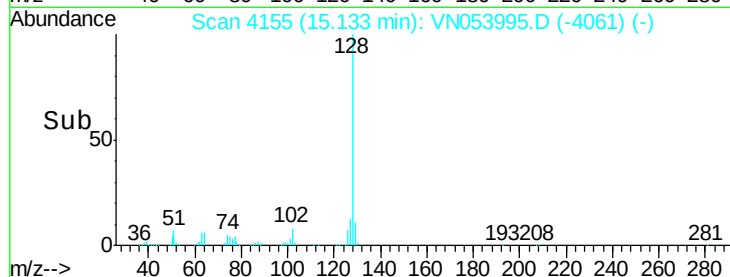
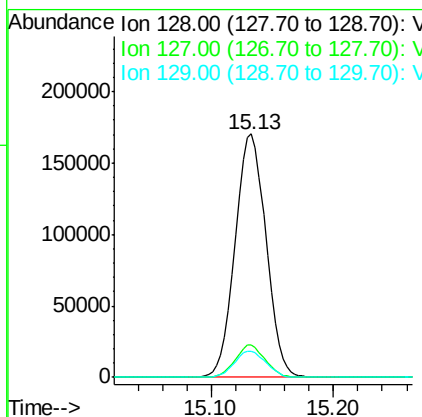
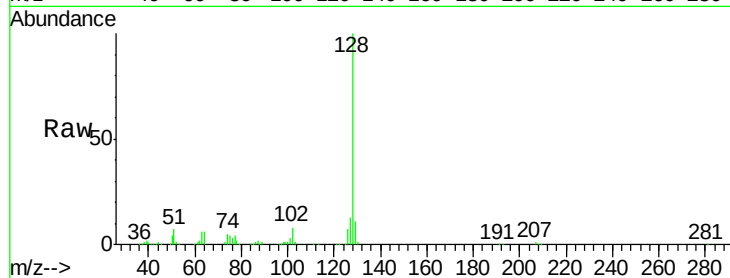
ClientSampleId :

VN0228WBS01

Tot Ion:	128	Resp:	298759
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
3/1/2019 4:10:10 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.426 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Tgt Ion:	180	Resp:	154797
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.3	141.8
145	30.7	14.4	43.0

