

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022819\
 Data File : VN053993.D
 Acq On : 28 Feb 2019 9:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/1/2019 4:10:05 PM

Quant Time: Mar 01 04:11:06 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	692652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1035672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	921340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	431211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	393142	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	7.59	113	342214	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	10.09	98	1286421	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.40	95	428096	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	302665	47.480	ug/l	100
3) Chloromethane	2.06	50	407967	46.139	ug/l	99
4) Vinyl Chloride	2.18	62	409294	46.199	ug/l	99
5) Bromomethane	2.57	94	252034	42.955	ug/l	100
6) Chloroethane	2.71	64	246560	44.749	ug/l	99
7) Trichlorofluoromethane	3.02	101	531207	46.934	ug/l	99
8) Diethyl Ether	3.41	74	197626	46.606	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	343514	48.056	ug/l	93
10) Methyl Iodide	3.95	142	466639	49.681	ug/l	97
11) Tert butyl alcohol	4.78	59	121620	236.282	ug/l	100
12) 1,1-Dichloroethene	3.74	96	315768	46.182	ug/l	93
13) Acrolein	3.60	56	110204	206.795	ug/l	96
14) Allyl chloride	4.32	41	552494	46.070	ug/l	93
15) Acrylonitrile	4.98	53	671111	247.383	ug/l	99
16) Acetone	3.81	43	667502	313.663	ug/l	94
17) Carbon Disulfide	4.05	76	1008069	45.701	ug/l	100
18) Methyl Acetate	4.32	43	283803	49.988	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	887422	48.381	ug/l	98
20) Methylene Chloride	4.55	84	364924	45.411	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	342613	46.296	ug/l	93
22) Diisopropyl ether	5.95	45	1156199	49.974	ug/l	97
23) Vinyl Acetate	5.89	43	4191651	251.848	ug/l	95
24) 1,1-Dichloroethane	5.85	63	668030	47.084	ug/l	99
25) 2-Butanone	6.83	43	844413	264.865	ug/l	96
26) 2,2-Dichloropropane	6.82	77	511279	50.722	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	387923	47.134	ug/l	92
28) Bromochloromethane	7.19	49	327887	50.489	ug/l	81
29) Tetrahydrofuran	7.21	42	528820	249.085	ug/l	92
30) Chloroform	7.37	83	652203	47.408	ug/l	98
31) Cyclohexane	7.65	56	630080	48.515	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	545358	48.077	ug/l	96
36) 1,1-Dichloropropene	7.79	75	514585	53.428	ug/l	96
37) Ethyl Acetate	6.92	43	347517	50.532	ug/l	96
38) Carbon Tetrachloride	7.77	117	481782	48.097	ug/l	99

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

39) Methylcyclohexane	9.08	83	609699	52.521	ug/l	94
40) Benzene	8.04	78	1493640	50.481	ug/l	100
41) Methacrylonitrile	7.17	41	177251	40.027	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	472727	51.606	ug/l	97
43) Isopropyl Acetate	8.16	43	593903	51.148	ug/l #	91
44) Trichloroethene	8.83	130	395191	50.381	ug/l	94
45) 1,2-Dichloropropane	9.12	63	404067	50.618	ug/l	99
46) Dibromomethane	9.21	93	233542	50.393	ug/l	92
47) Bromodichloromethane	9.40	83	508824	52.098	ug/l	99
48) Methyl methacrylate	9.20	41	290427	54.377	ug/l	93
49) 1,4-Dioxane	9.20	88	78157	1080.415	ug/l #	92
51) 4-Methyl-2-Pentanone	9.98	43	1673411	280.454	ug/l	95
52) Toluene	10.16	92	888083	50.974	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	509983	53.666	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	589481	52.619	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	330108	50.735	ug/l	99
56) Ethyl methacrylate	10.43	69	410753	48.218	ug/l	89
57) 1,3-Dichloropropane	10.71	76	565744	51.461	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	955318	241.029	ug/l	95
59) 2-Hexanone	10.75	43	1111946	286.532	ug/l	93
60) Dibromochloromethane	10.90	129	374017	51.723	ug/l	99
61) 1,2-Dibromoethane	11.00	107	320022	50.987	ug/l	98
64) Tetrachloroethene	10.63	164	394997	50.629	ug/l	97
65) Chlorobenzene	11.43	112	950618	48.889	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	357694	51.042	ug/l	99
67) Ethyl Benzene	11.51	91	1666663	51.129	ug/l	99
68) m/p-Xylenes	11.62	106	1271299	103.332	ug/l	95
69) o-Xylene	11.95	106	603686	49.938	ug/l	96
70) Styrene	11.96	104	997215	53.632	ug/l	99
71) Bromoform	12.13	173	254242	52.149	ug/l #	100
73) Isopropylbenzene	12.25	105	1618547	48.219	ug/l	98
74) N-amyl acetate	12.07	43	458706	52.139	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	399669	47.614	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	332187m	48.022	ug/l	
77) Bromobenzene	12.53	156	401901	47.158	ug/l	88
78) n-propylbenzene	12.59	91	1944024	50.925	ug/l	97
79) 2-Chlorotoluene	12.67	91	1117351	48.724	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1388577	50.530	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	111404	50.902	ug/l	93
82) 4-Chlorotoluene	12.77	91	1133893	50.029	ug/l	97
83) tert-Butylbenzene	12.99	119	1193514	49.107	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1399873	51.026	ug/l	98
85) sec-Butylbenzene	13.17	105	1668038	50.249	ug/l	98
86) p-Isopropyltoluene	13.29	119	1439386	51.291	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	736010	49.923	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	709957	49.636	ug/l	99
89) n-Butylbenzene	13.62	91	1285518	54.355	ug/l	99
90) Hexachloroethane	13.87	117	264340	48.609	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	701481	49.153	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59433	50.103	ug/l	87

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Quant Title : SW846 8260
QLast Update : Thu Feb 28 04:05:45 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	374100	47.324	ug/l	98
94) Hexachlorobutadiene	15.01	225	258654	50.174	ug/l	99
95) Naphthalene	15.13	128	730324	43.239	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	360236	47.465	ug/l	99

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

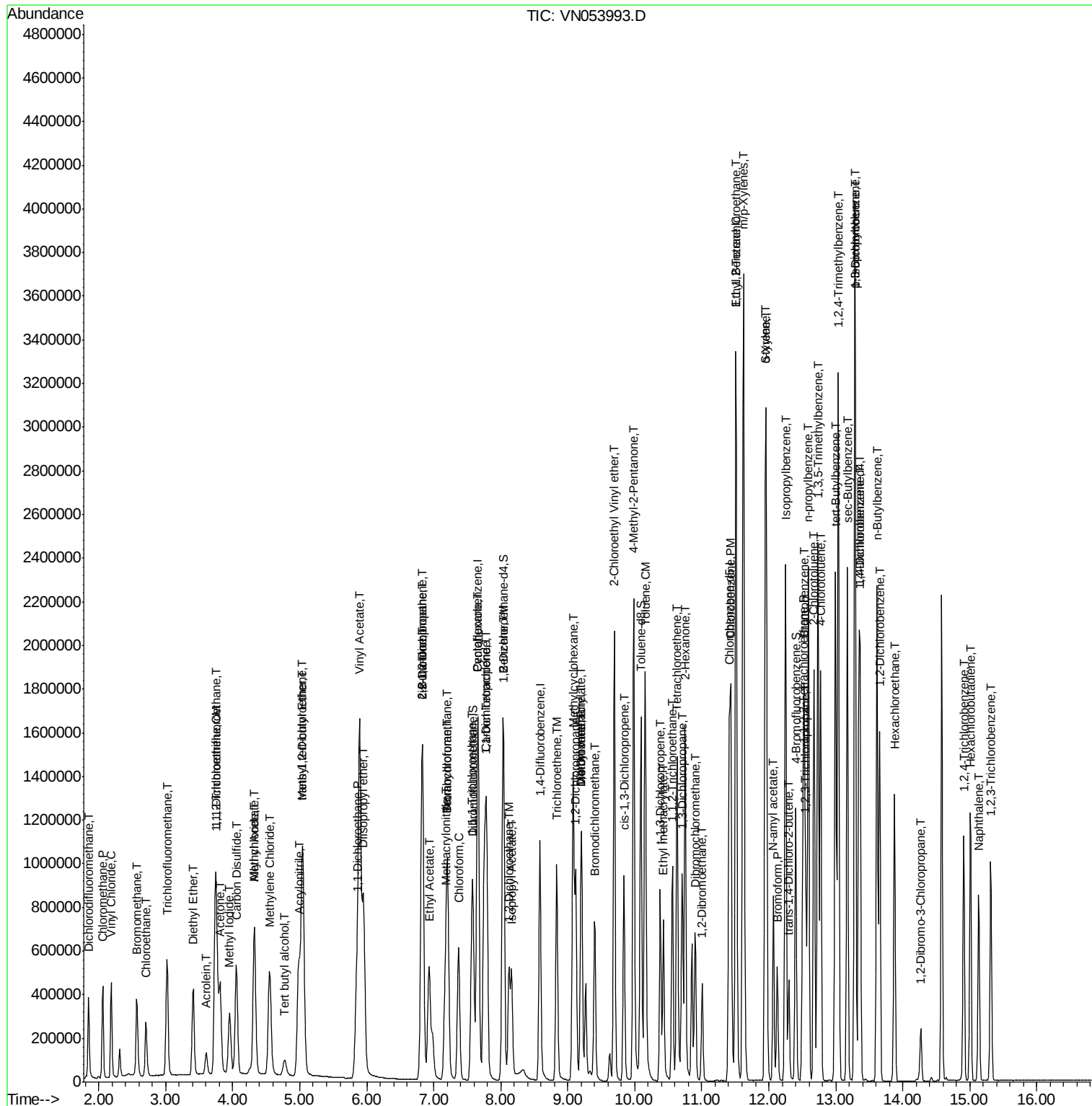
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022819\
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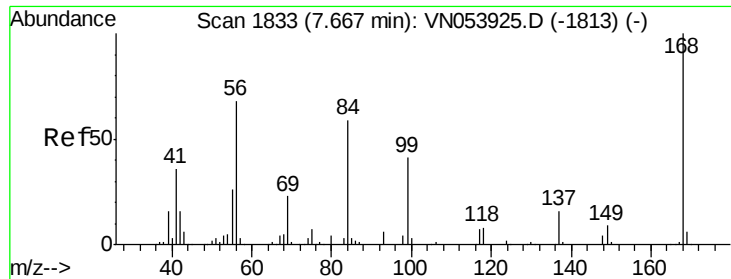
Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 692652

Ion Ratio Lower Upper

168 100

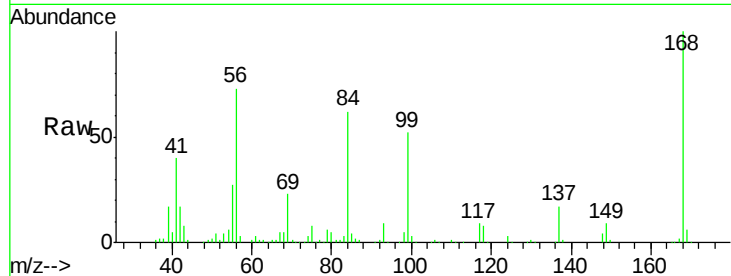
99 51.7 36.9 55.3

Manual Integrations

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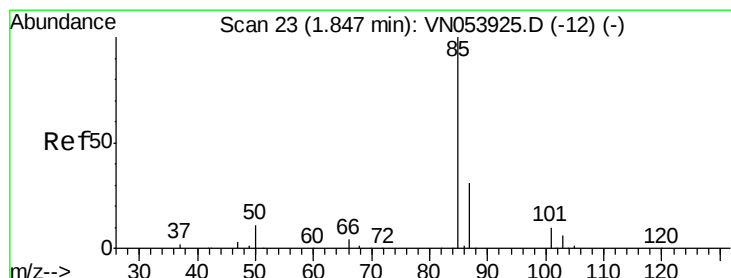
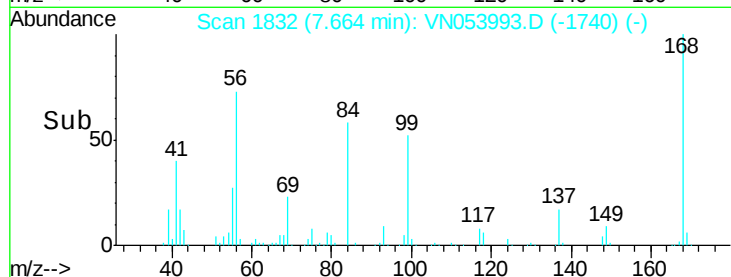
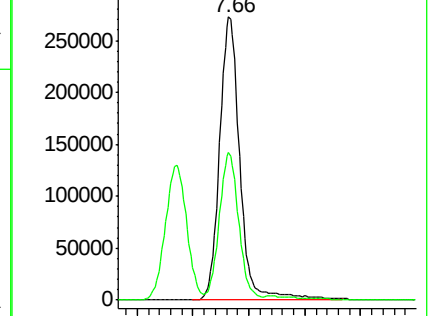
MMDadoda

3/1/2019 4:10:05 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.480 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053993.D

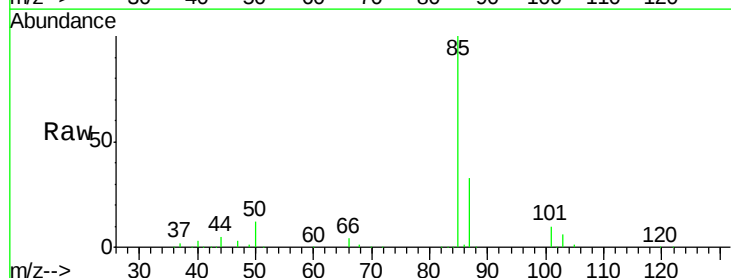
Acq: 28 Feb 2019 9:38

Tgt Ion: 85 Resp: 302665

Ion Ratio Lower Upper

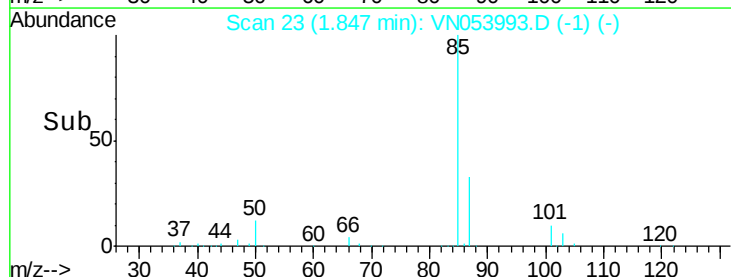
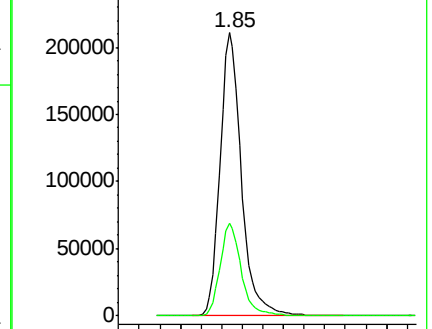
85 100

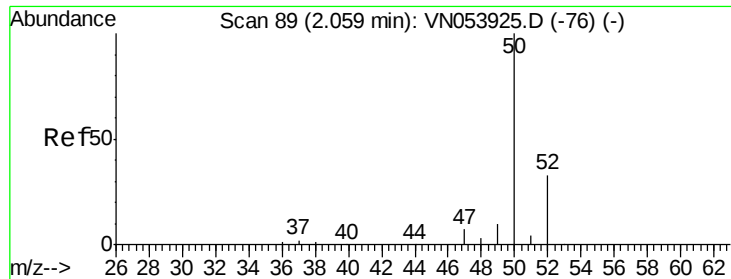
87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.139 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 407967

Ion Ratio Lower Upper

50 100

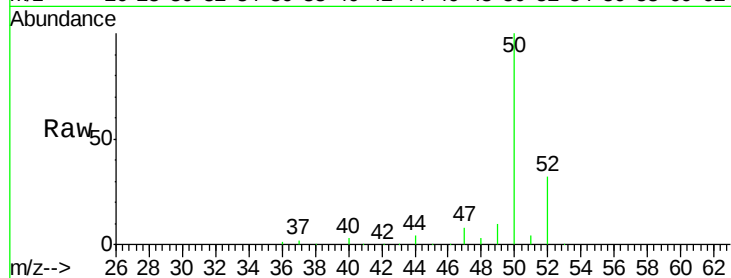
52 32.0 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN053925.D (-76) (-)

Ion 51.90 (51.60 to 52.60): VN053925.D (-76) (-)

2.06

250000

200000

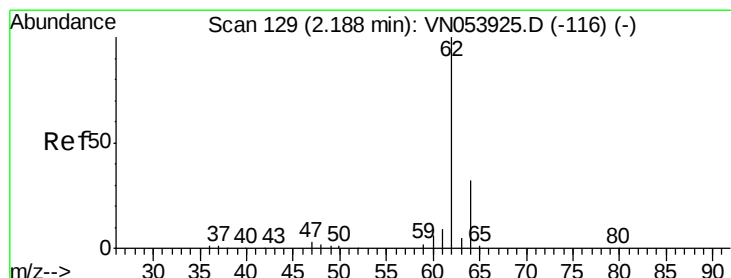
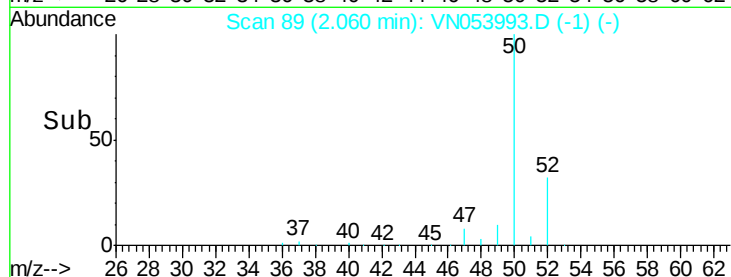
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.199 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN053993.D

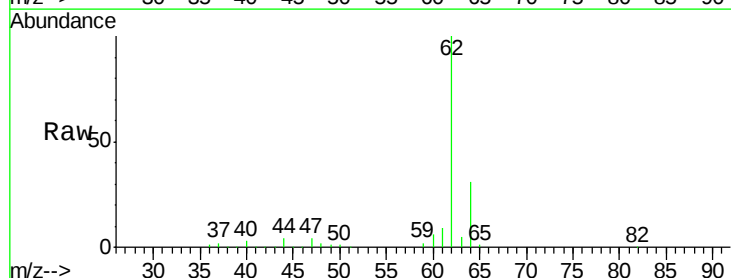
Acq: 28 Feb 2019 9:38

Tgt Ion: 62 Resp: 409294

Ion Ratio Lower Upper

62 100

64 31.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN053925.D (-116) (-)

Ion 63.90 (63.60 to 64.60): VN053925.D (-116) (-)

2.18

300000

250000

200000

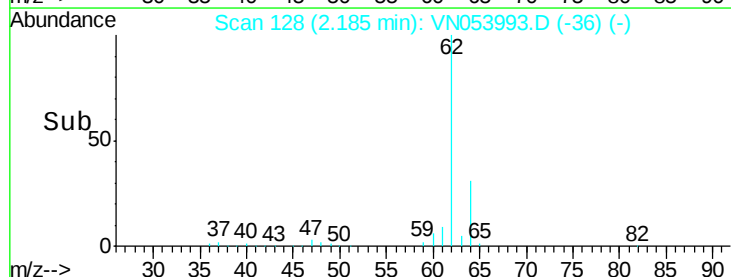
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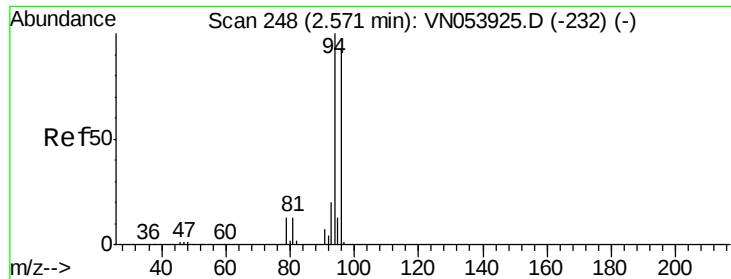
100000

50000

0

Time-->





#5

Bromomethane

Concen: 42.955 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 252034

Ion Ratio Lower Upper

94 100

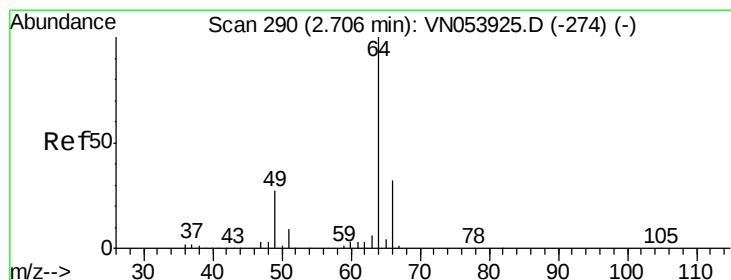
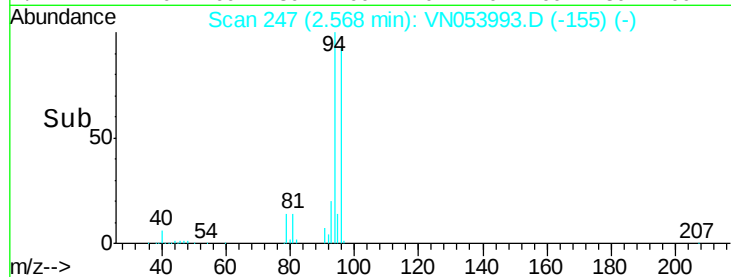
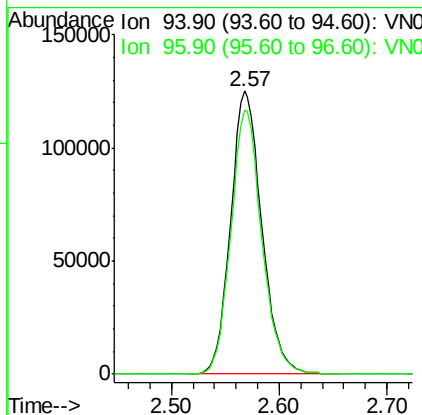
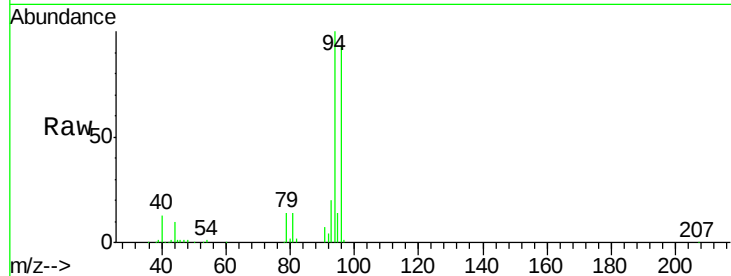
96 93.3 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 44.749 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053993.D

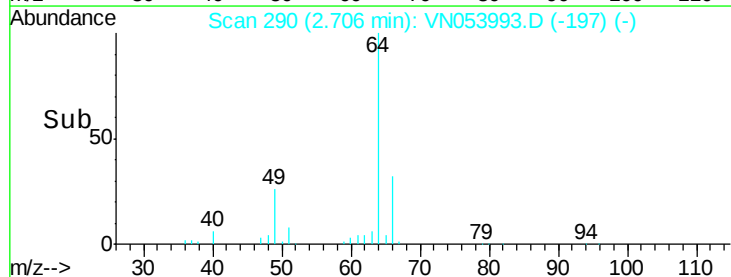
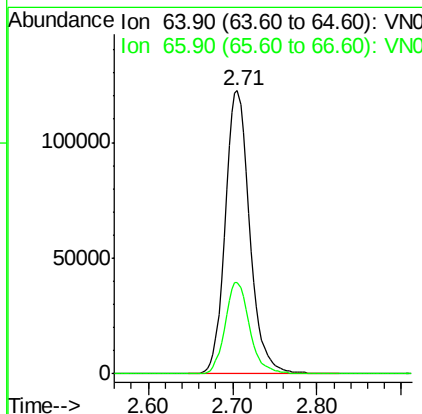
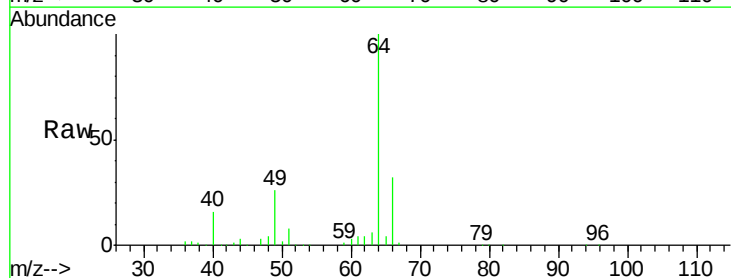
Acq: 28 Feb 2019 9:38

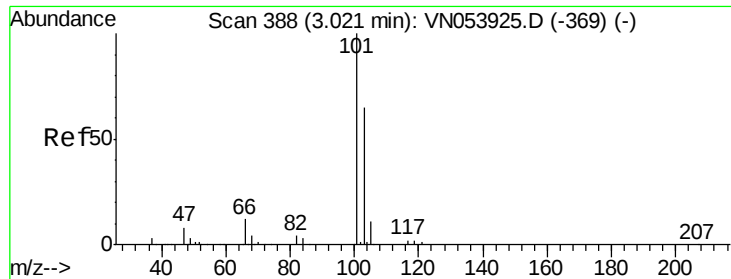
Tgt Ion: 64 Resp: 246560

Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3





#7

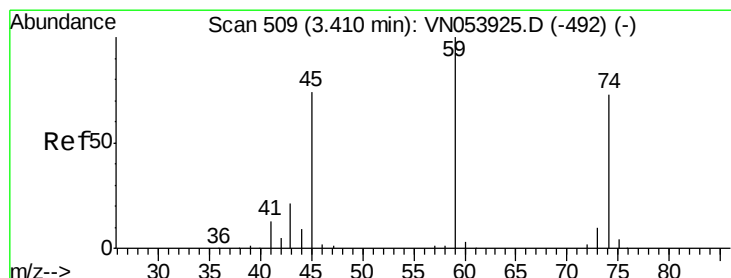
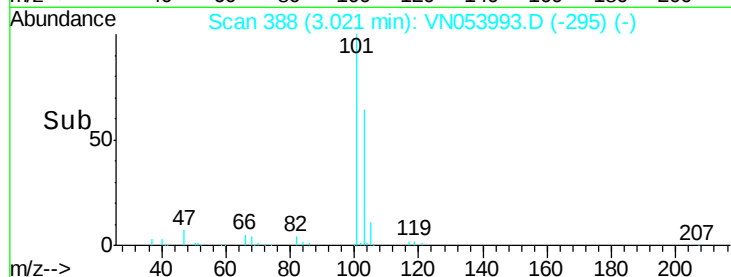
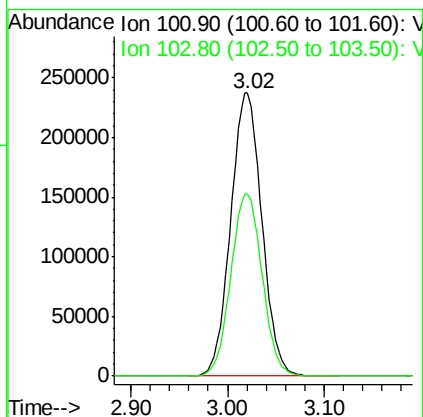
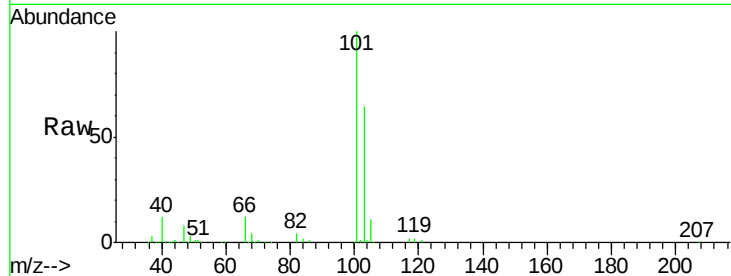
Trichlorofluoromethane
 Concen: 46.934 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.9	77.9

Manual Integrations
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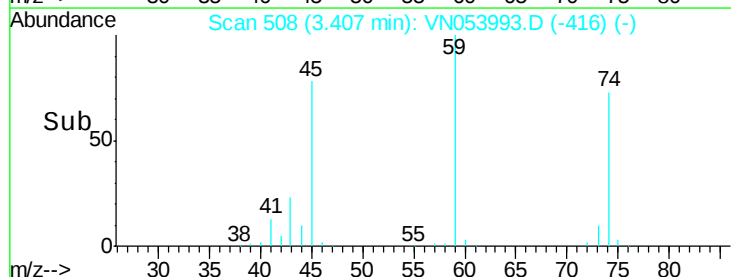
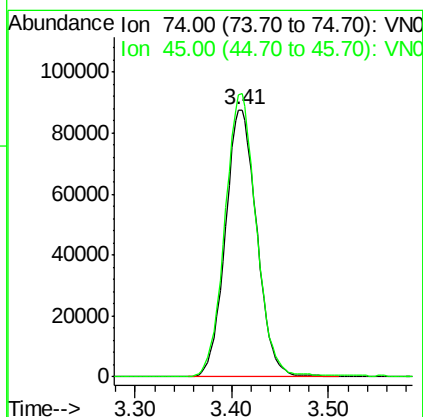
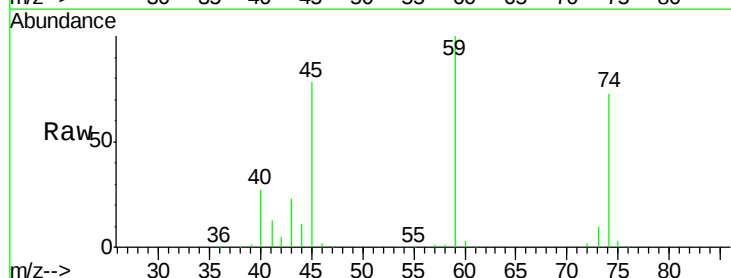
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 3/1/2019 4:10:05 PM

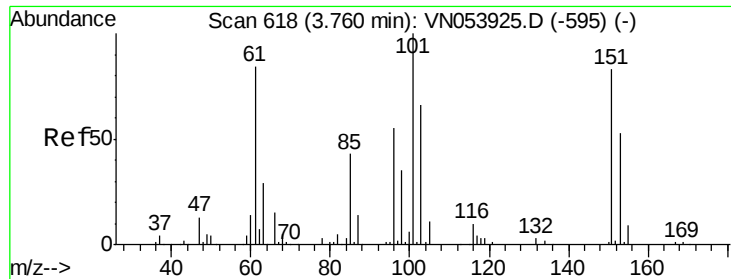


#8

Diethyl Ether
 Concen: 46.606 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.1	46.9	140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.056 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

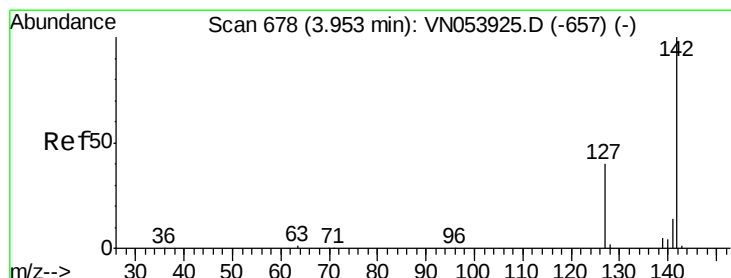
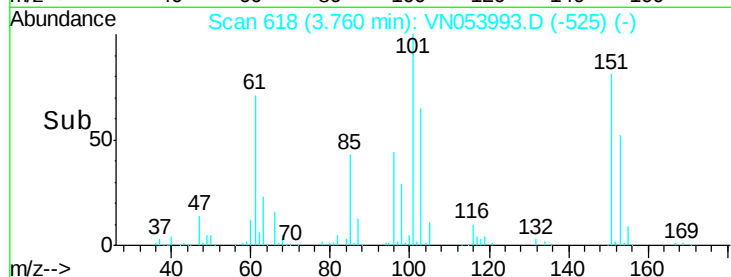
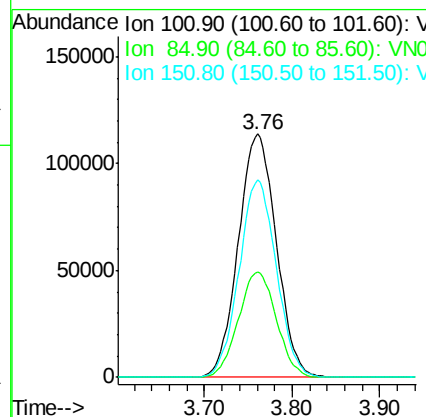
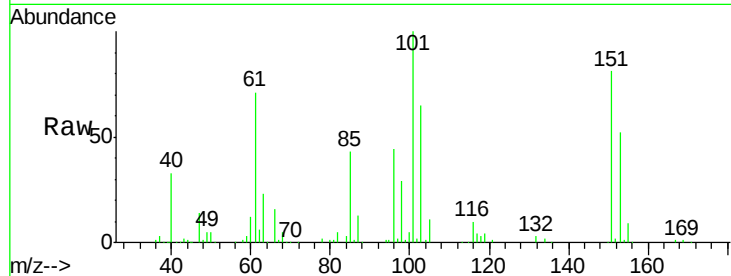
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	343514
Ion Ratio	Lower	Upper	
101	100		
85	43.1	32.5	48.7
151	79.7	70.2	105.2

Manual Integrations
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MMDadoda
3/1/2019 4:10:05 PM



#10

Methyl Iodide

Concen: 49.681 ug/l

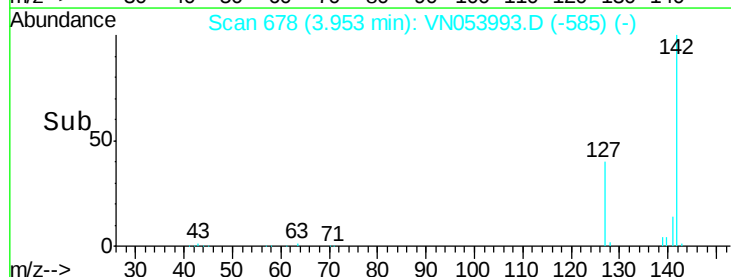
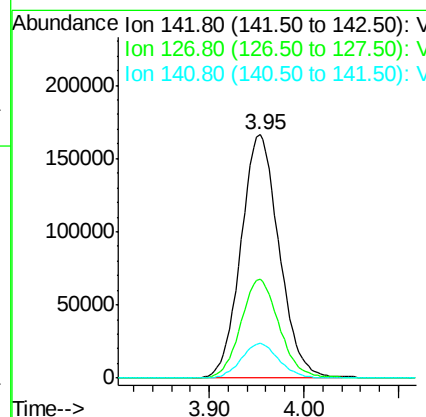
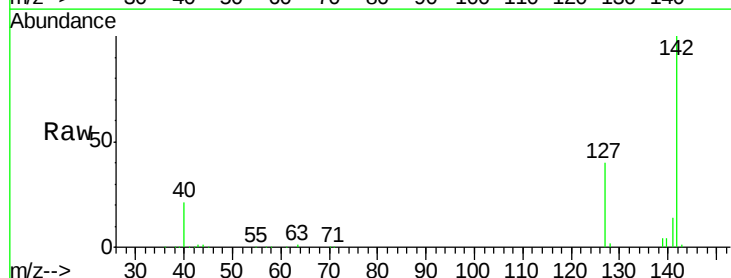
RT: 3.95 min Scan# 678

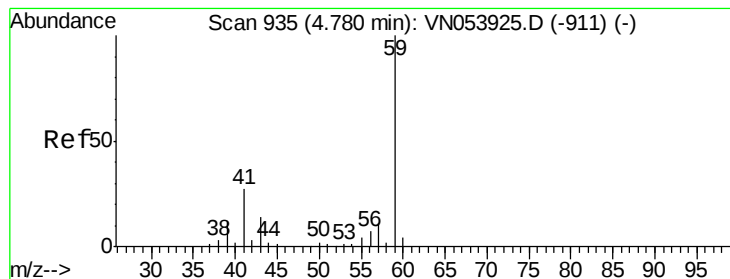
Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Tgt Ion:	142	Resp:	466639
Ion Ratio	Lower	Upper	
142	100		
127	41.0	31.0	46.4
141	14.1	11.3	16.9





#11

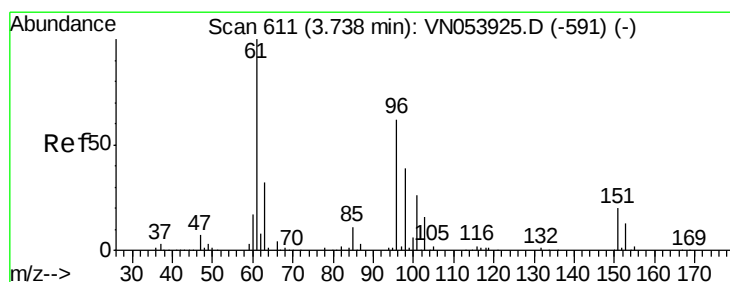
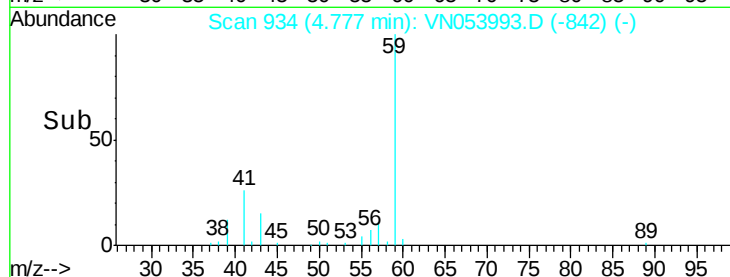
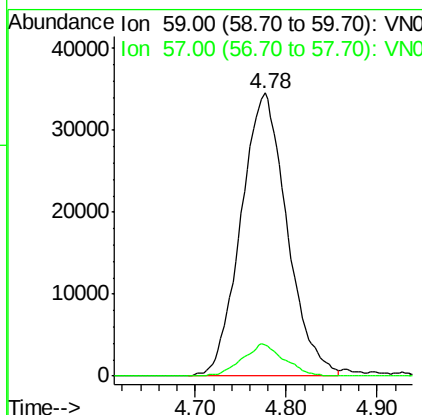
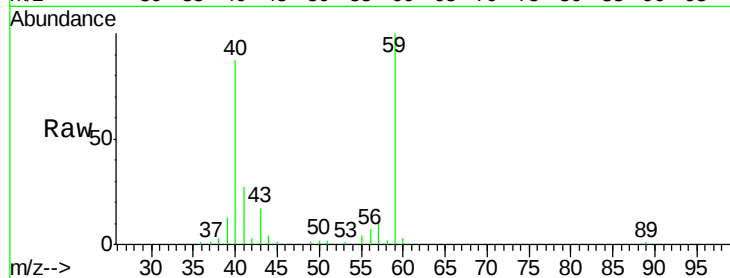
Tert butyl alcohol
 Concen: 236.282 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

Manual Integrations
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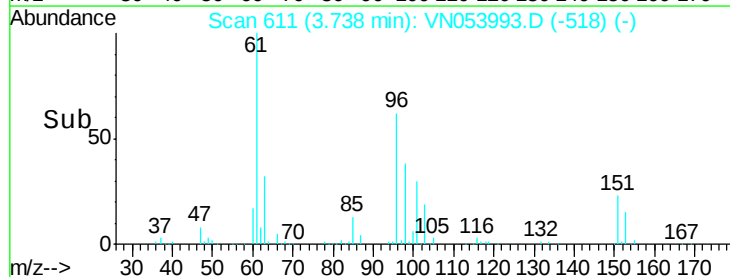
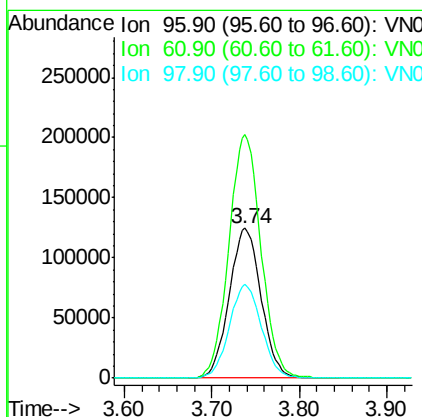
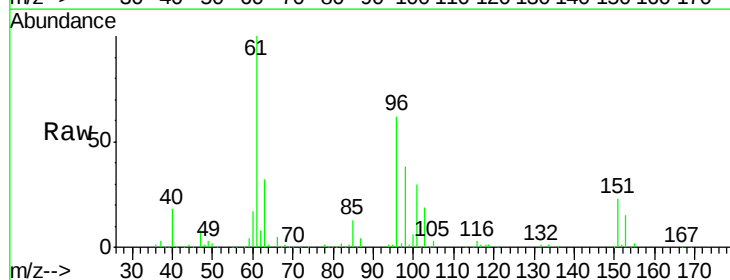
MMDadoda
 3/1/2019 4:10:05 PM

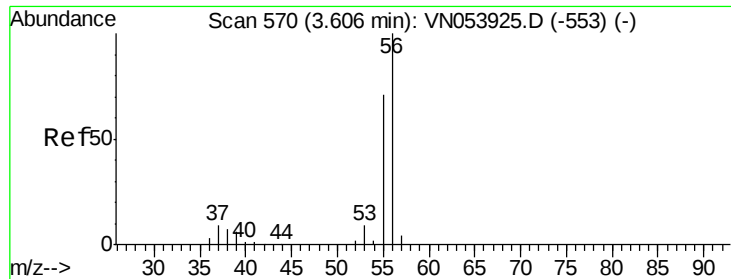


#12

1,1-Dichloroethene
 Concen: 46.182 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.4	121.0	181.4
98	62.2	52.2	78.2





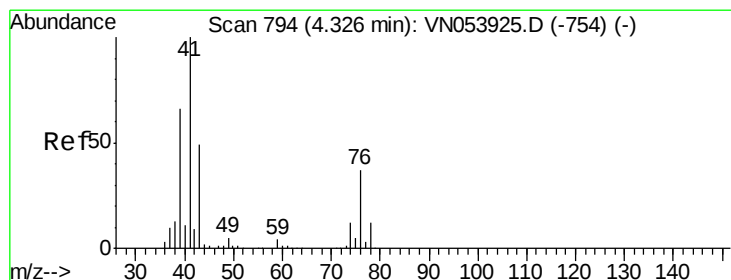
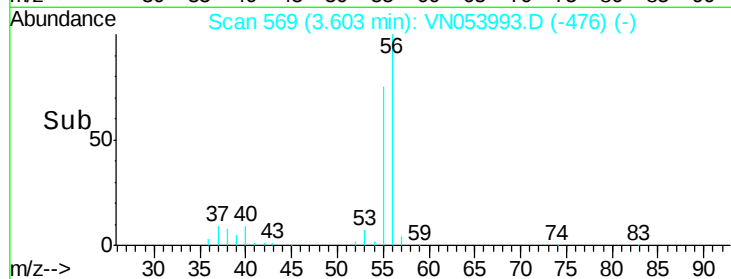
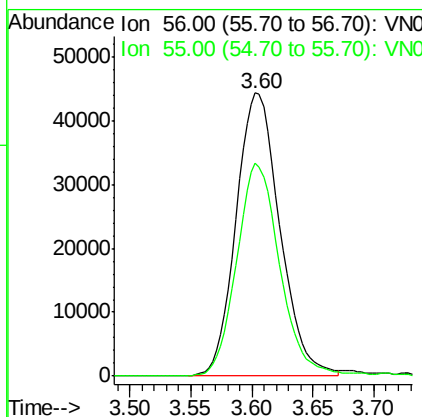
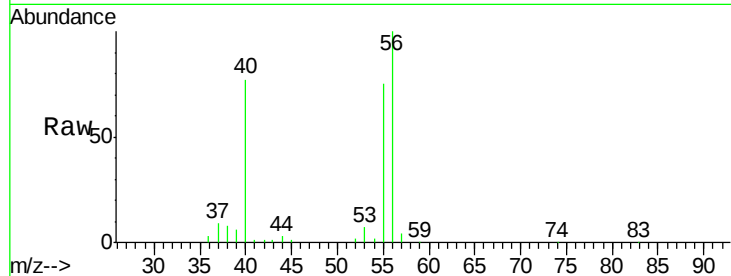
#13
Acrolein
Concen: 206.795 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	Lower	Upper
110204	100	73.9		56.3	84.5

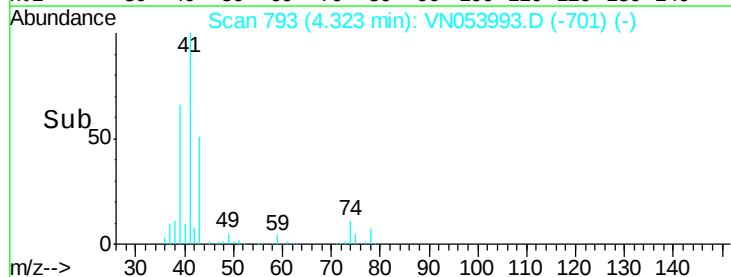
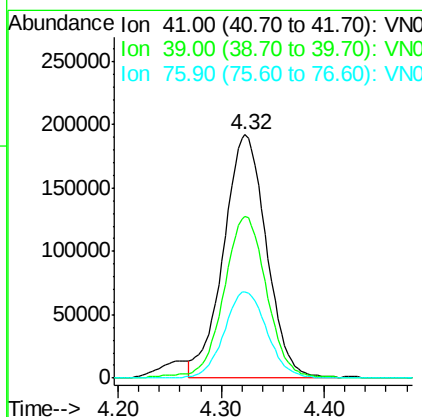
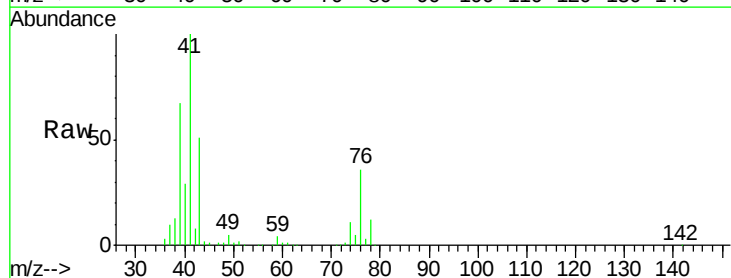
Manual Integrations
APPROVED

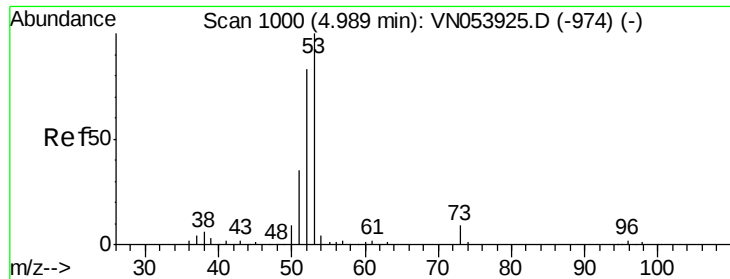
MMDadoda
3/1/2019 4:10:05 PM



#14
Allyl chloride
Concen: 46.070 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion	41	39	76	Ratio	Lower	Upper
552494	100	67.4	35.1		48.8	73.2
					30.9	46.3





#15

Acrylonitrile

Concen: 247.383 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

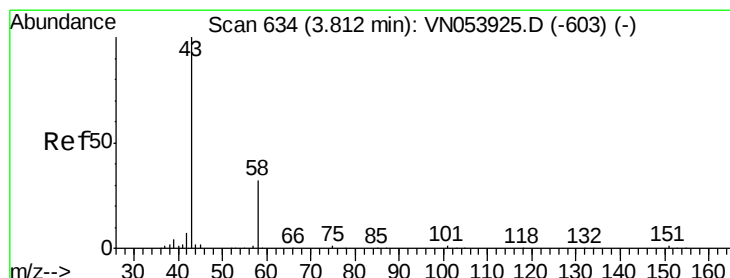
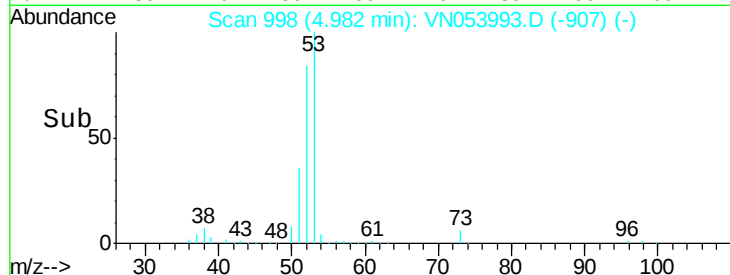
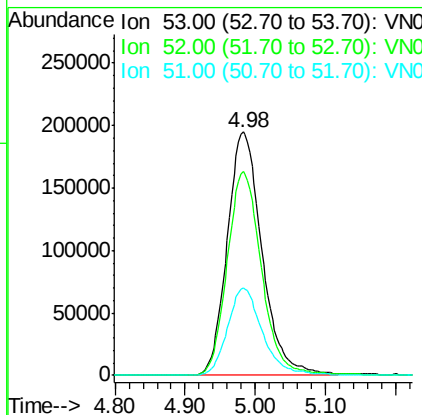
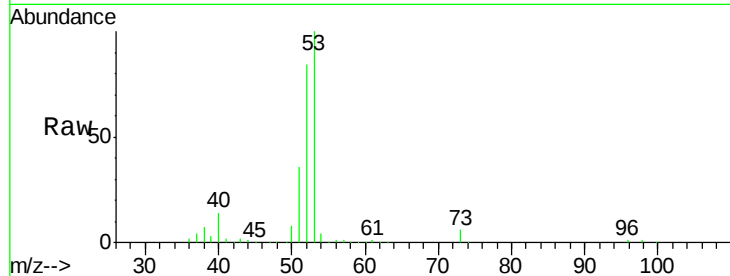
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	671111
Ion Ratio	Lower	Upper	
53	100		
52	82.4	65.1	97.7
51	36.1	28.2	42.4

Manual Integrations
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MMDadoda
3/1/2019 4:10:05 PM



#16

Acetone

Concen: 313.663 ug/l

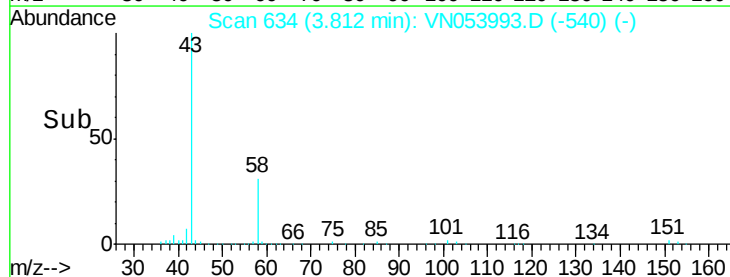
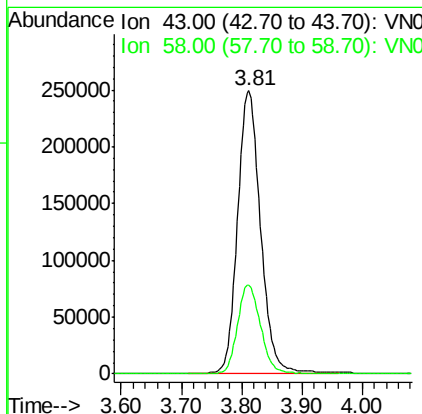
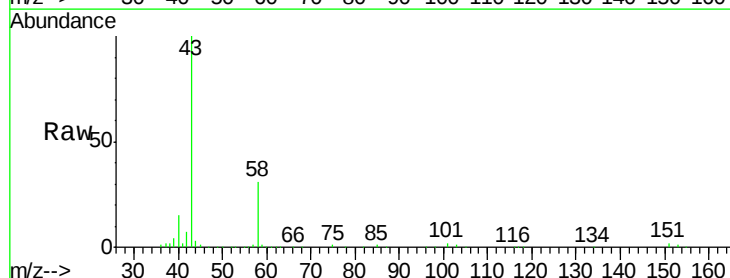
RT: 3.81 min Scan# 634

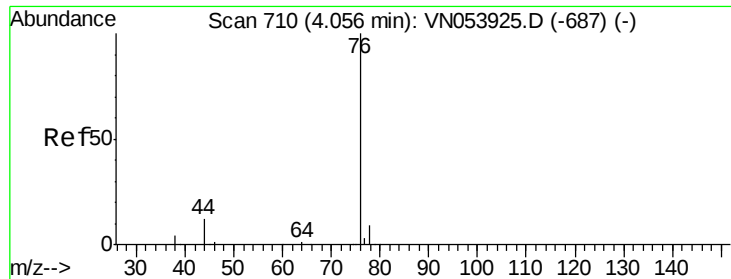
Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Tgt Ion:	43	Resp:	667502
Ion Ratio	Lower	Upper	
43	100		
58	31.3	27.6	41.4





#17

Carbon Disulfide

Concen: 45.701 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1008069

Ion Ratio Lower Upper

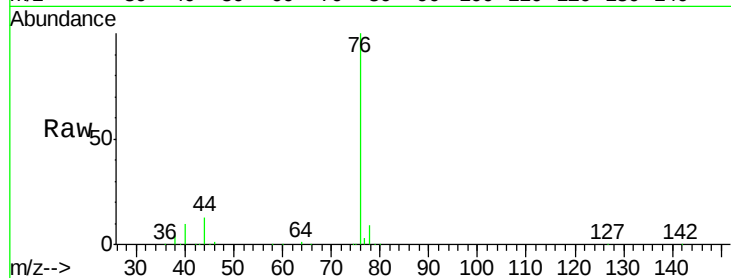
76 100

78 9.3 7.5 11.3

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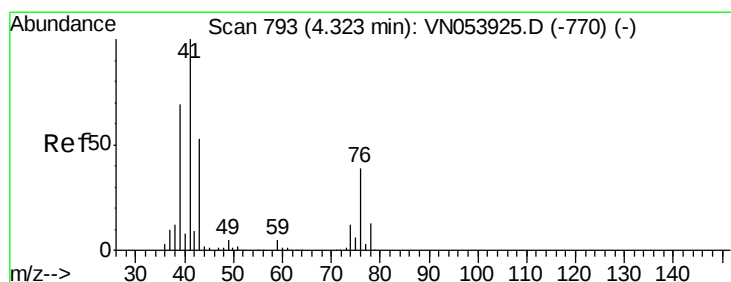
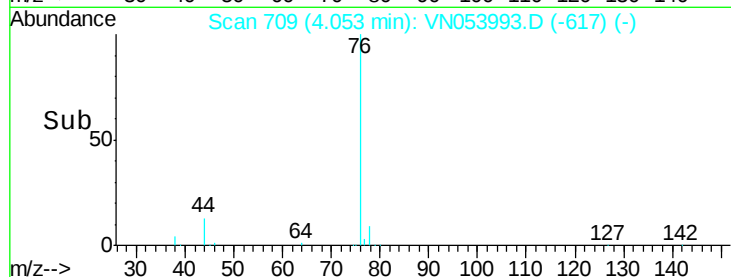
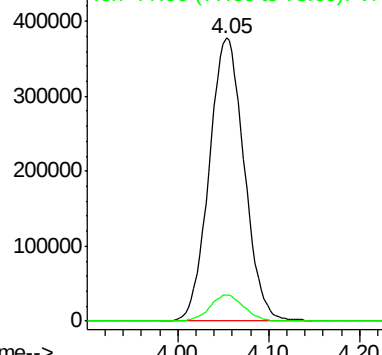
MMDadoda

3/1/2019 4:10:05 PM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 49.988 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN053993.D

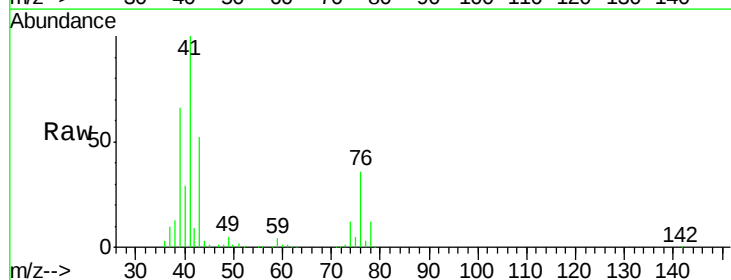
Acq: 28 Feb 2019 9:38

Tgt Ion: 43 Resp: 283803

Ion Ratio Lower Upper

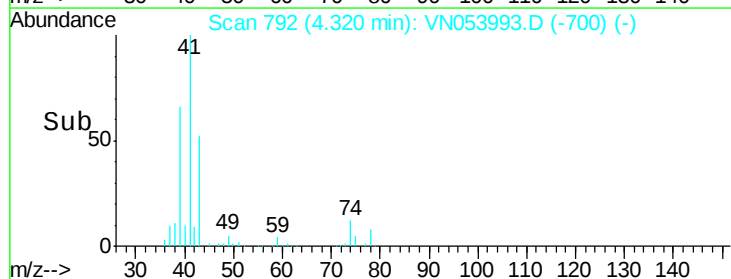
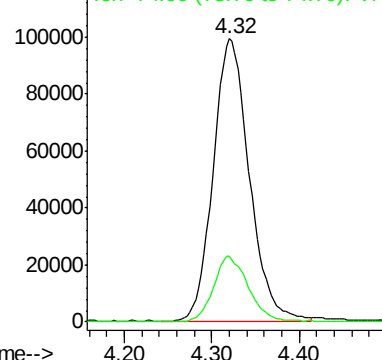
43 100

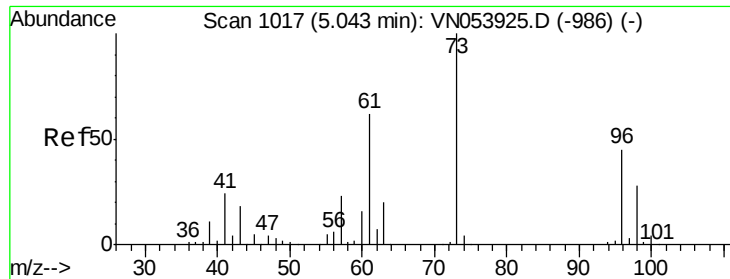
74 22.5 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





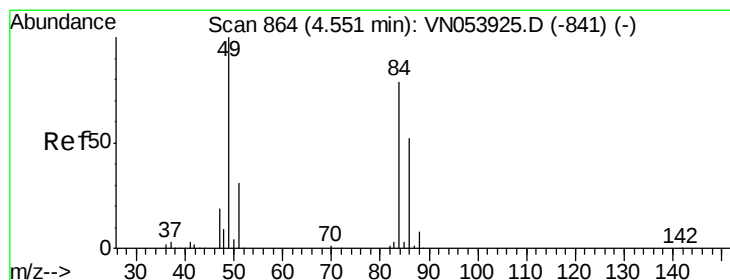
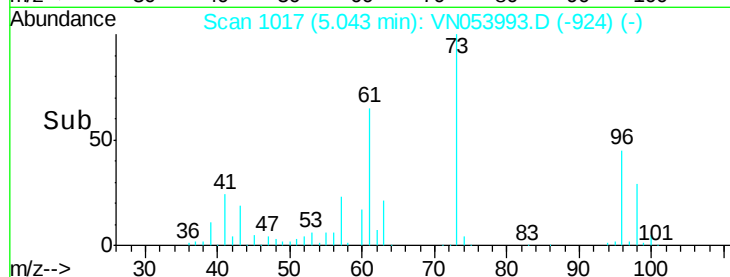
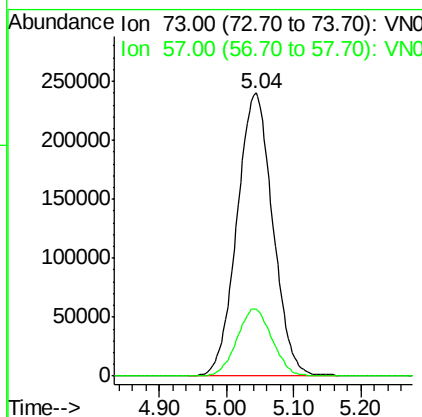
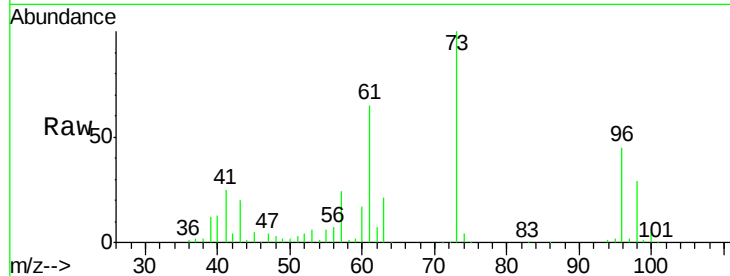
#19
Methvl tert-butvl Ether
Concen: 48.381 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 887422
Ion Ratio Lower Upper
73 100
57 23.6 18.0 27.0

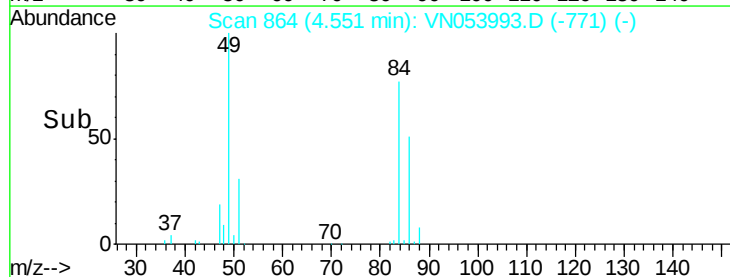
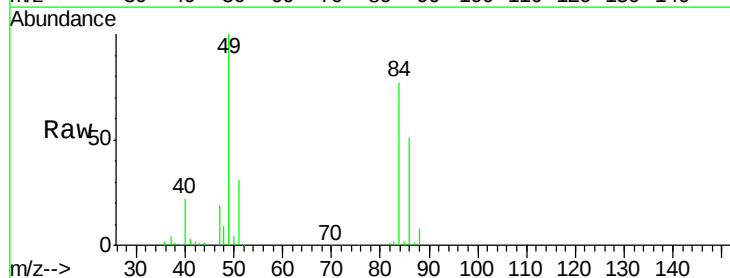
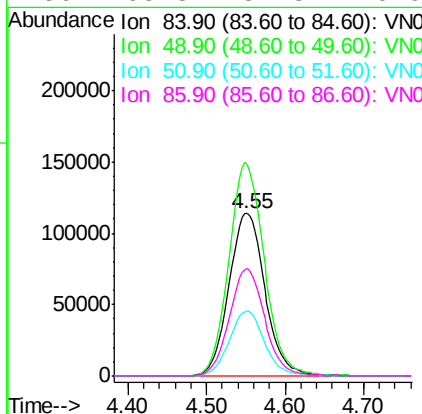
Manual Integrations
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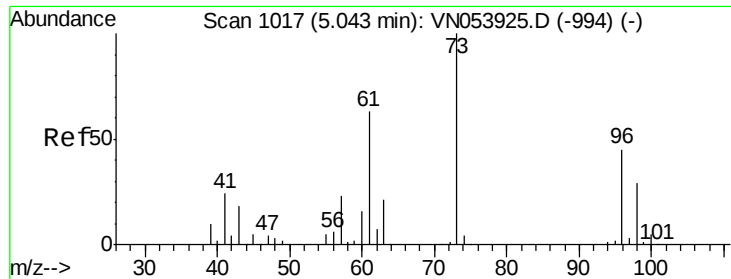
MMDadoda
3/1/2019 4:10:05 PM



#20
Methylene Chloride
Concen: 45.411 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion: 84 Resp: 364924
Ion Ratio Lower Upper
84 100
49 130.1 89.7 134.5
51 40.0 27.8 41.8
86 65.8 51.3 76.9





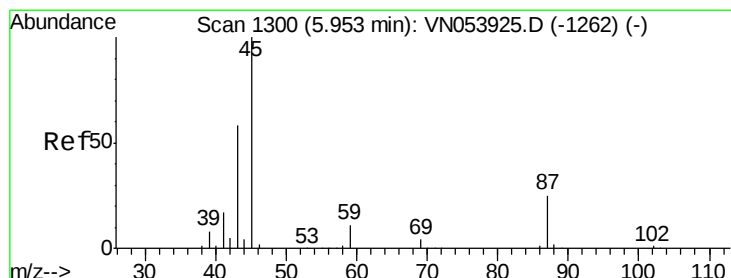
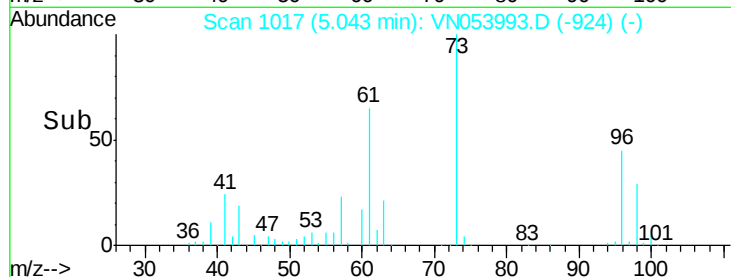
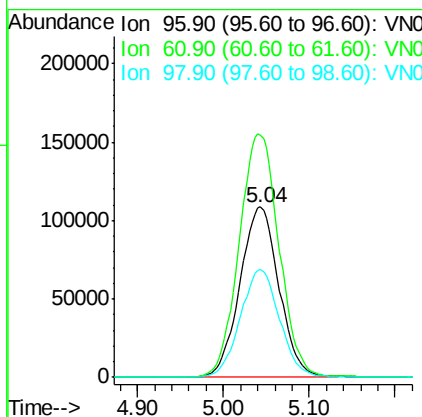
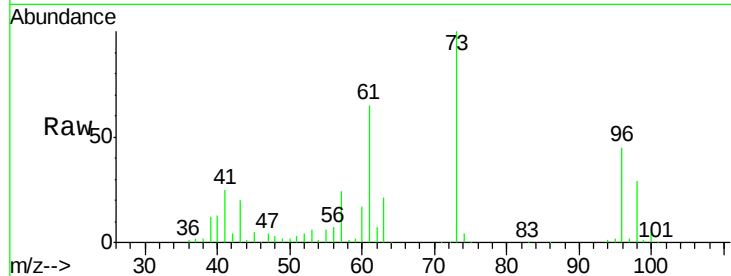
#21
trans-1,2-Dichloroethene
Concen: 46.296 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.6	104.5	156.7
98	63.2	50.6	76.0

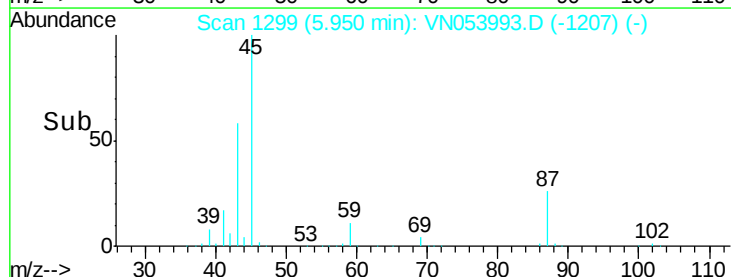
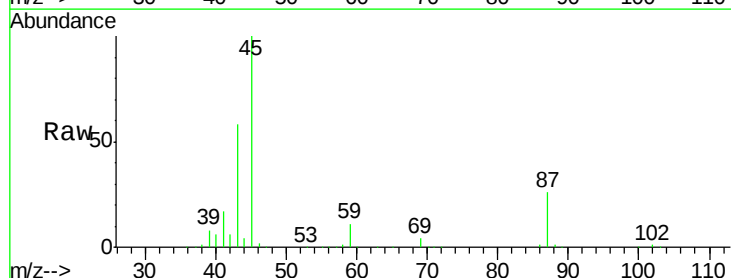
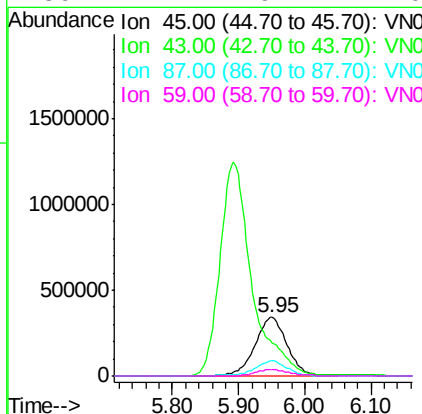
Manual Integrations
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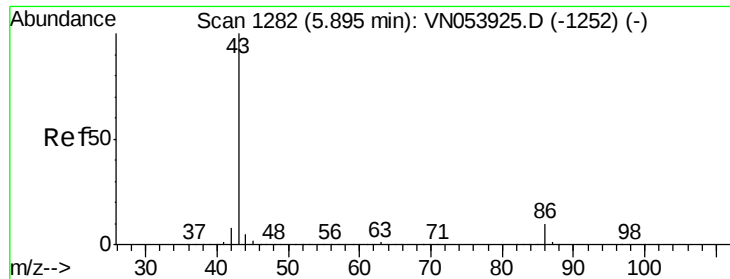
MMDadoda
3/1/2019 4:10:05 PM



#22
Diisopropyl ether
Concen: 49.974 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	46.2	69.4
87	25.3	23.4	35.0
59	11.1	9.4	14.0





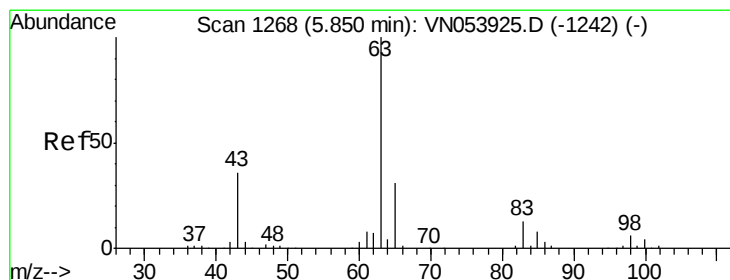
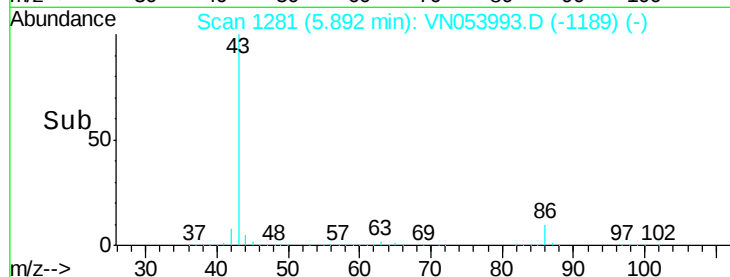
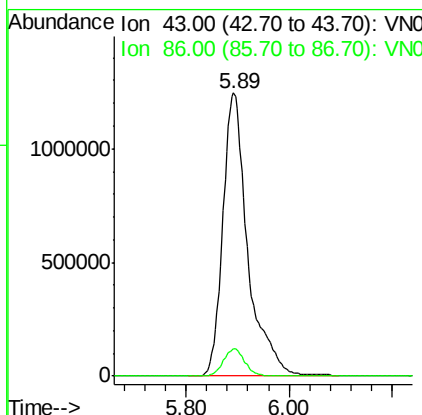
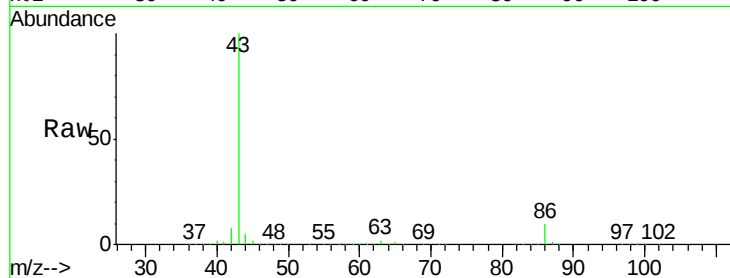
#23
 Vinyl Acetate
 Concen: 251.848 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 43 Resp: 4191651
 Ion Ratio Lower Upper
 43 100
 86 9.6 9.1 13.7

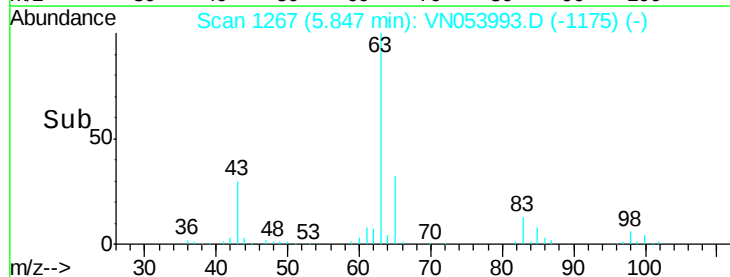
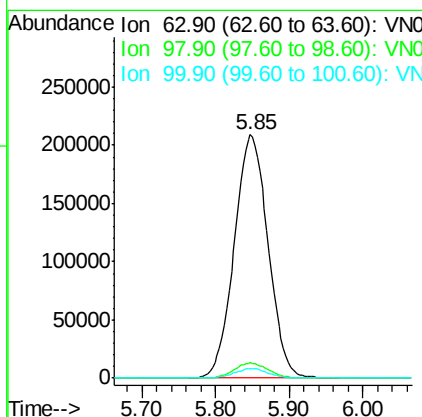
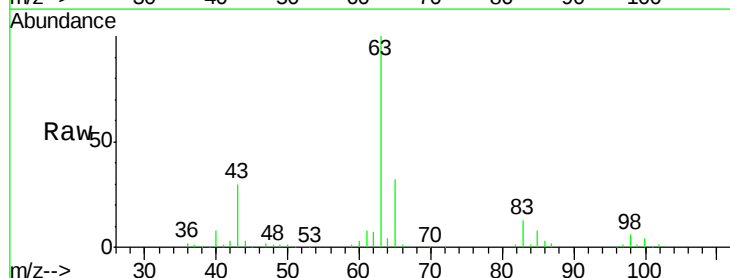
Manual Integrations
 APPROVED

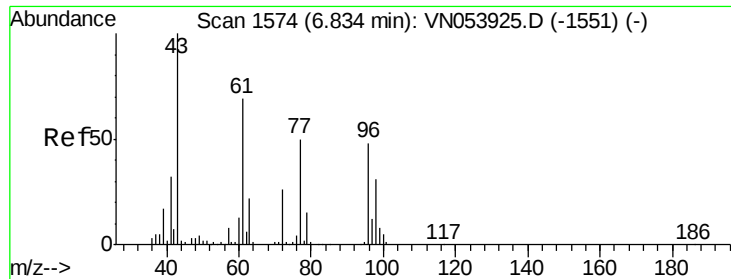
MMDadoda
 3/1/2019 4:10:05 PM



#24
 1,1-Dichloroethane
 Concen: 47.084 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion: 63 Resp: 668030
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.4 10.2
 100 4.1 2.2 6.6





#25

2-Butanone

Concen: 264.865 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 844413

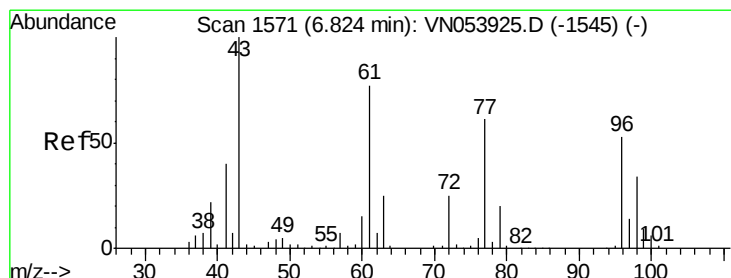
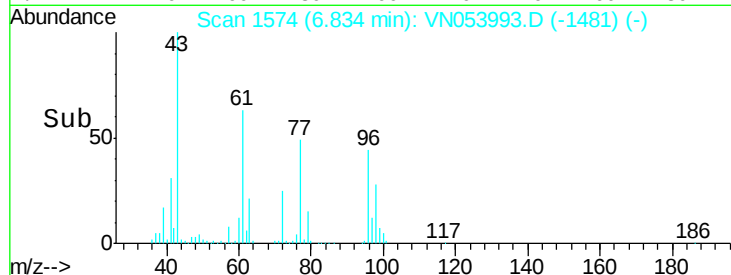
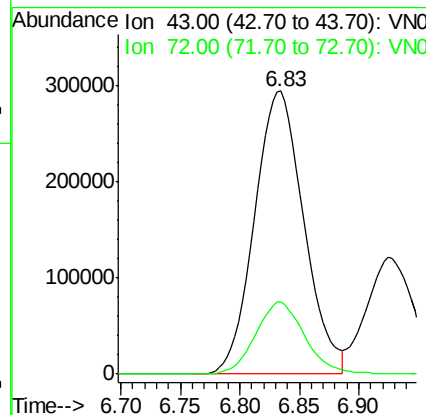
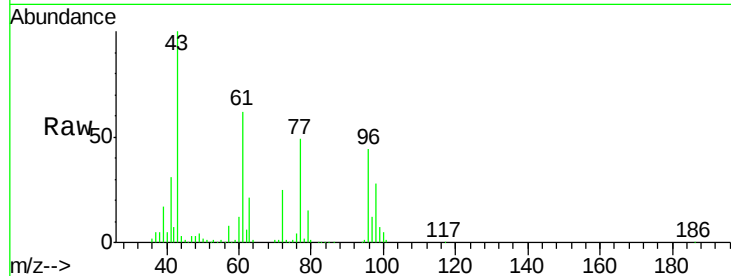
Ion Ratio Lower Upper

43 100

72 25.5 22.1 33.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 50.722 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053993.D

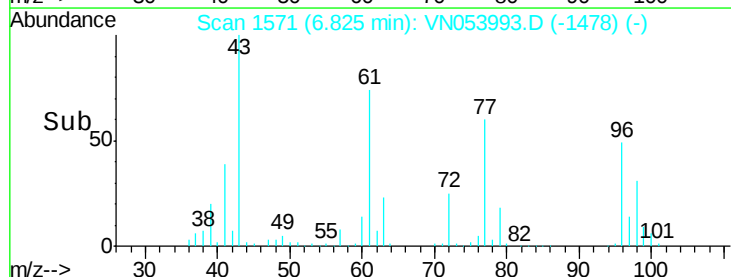
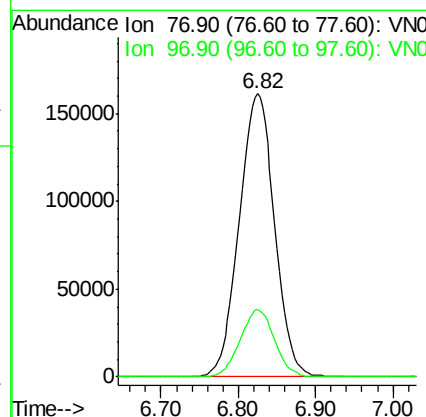
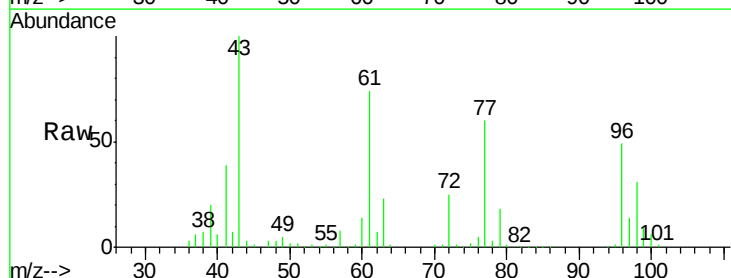
Acq: 28 Feb 2019 9:38

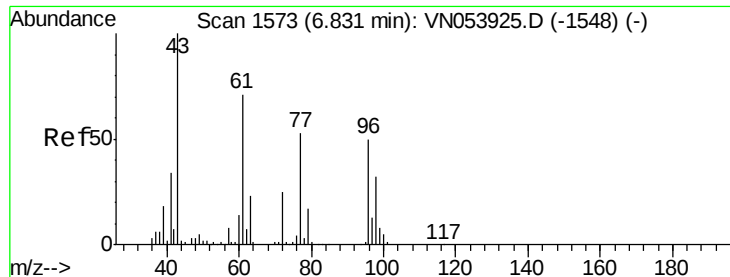
Tgt Ion: 77 Resp: 511279

Ion Ratio Lower Upper

77 100

97 23.2 12.3 36.9





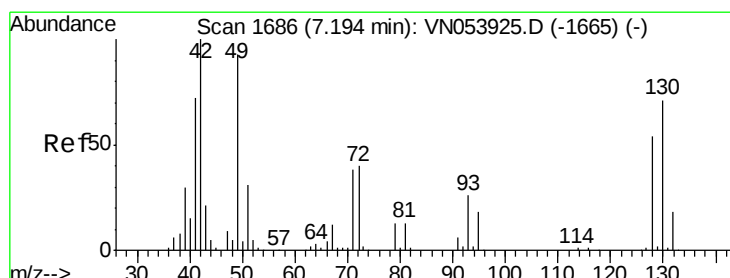
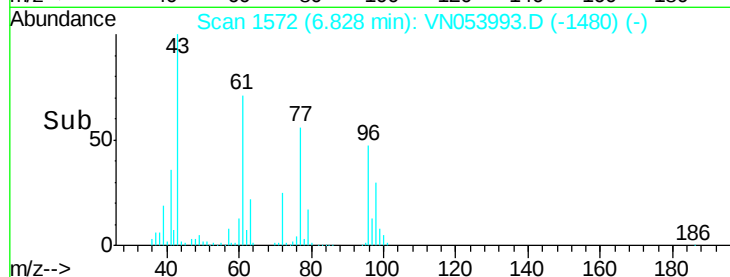
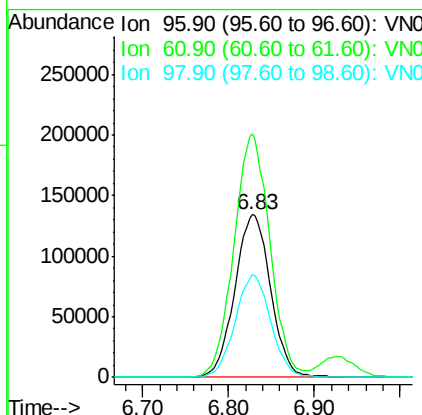
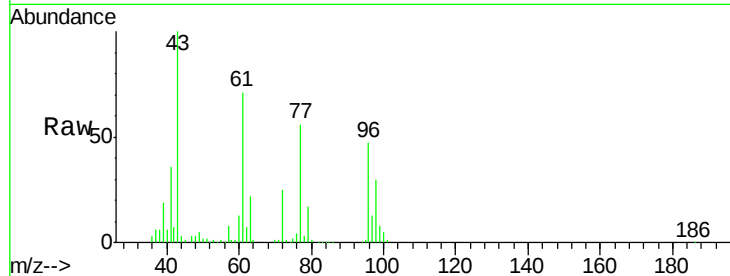
#27
 cis-1,2-Dichloroethene
 Concen: 47.134 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	387923		
61	150.7	0.0	275.6	
98	63.0	0.0	130.0	

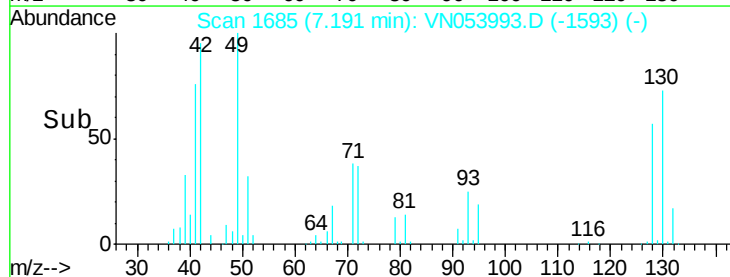
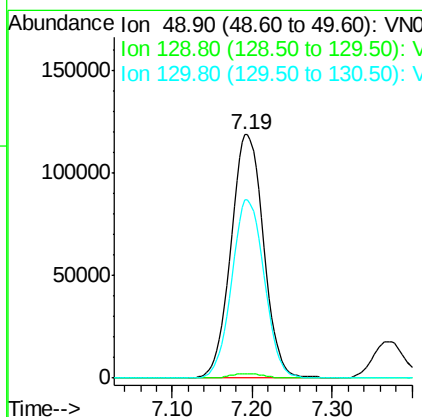
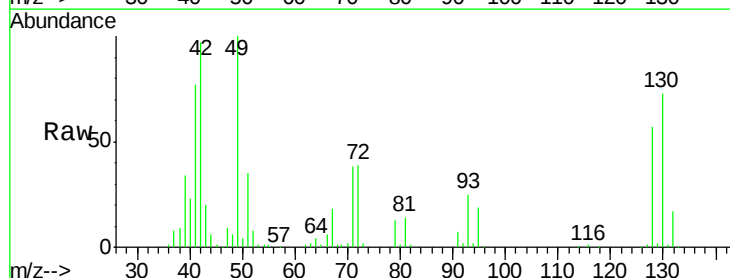
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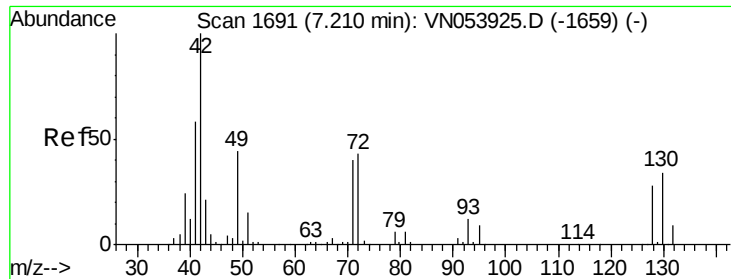
MMDadoda
 3/1/2019 4:10:05 PM



#28
 Bromochloromethane
 Concen: 50.489 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	327887		
129	1.9	0.0	4.6	
130	73.1	72.9	109.3	





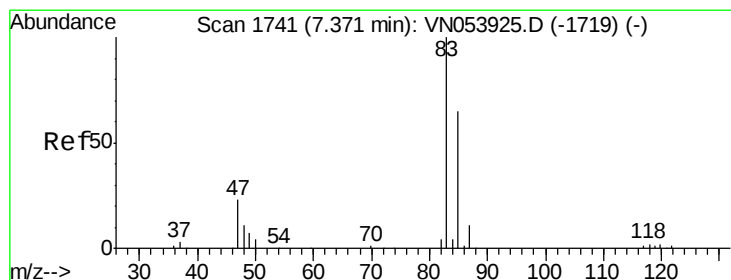
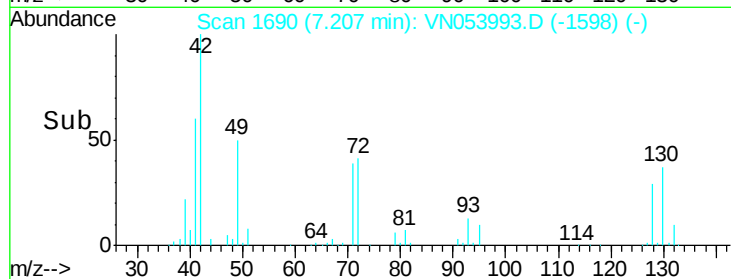
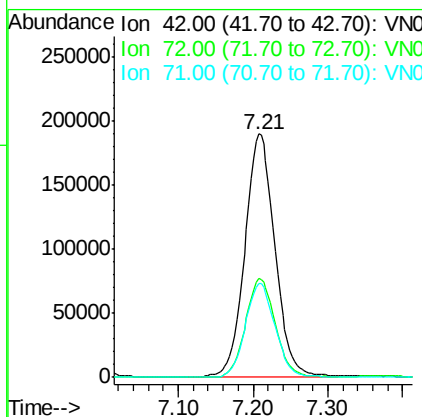
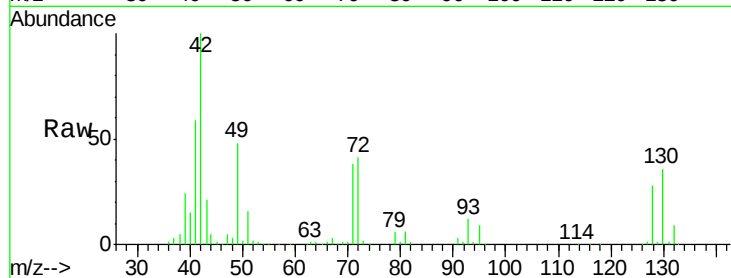
#29
Tetrahydrofuran
Concen: 249.085 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	36.9	55.3
71	38.3	34.6	52.0

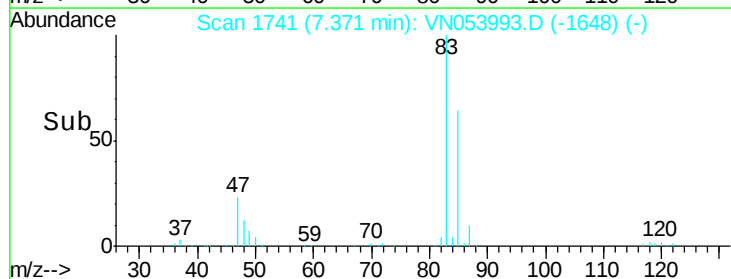
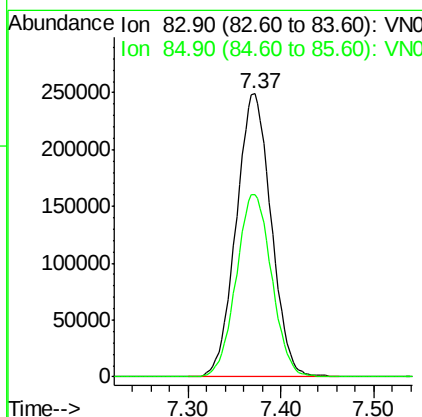
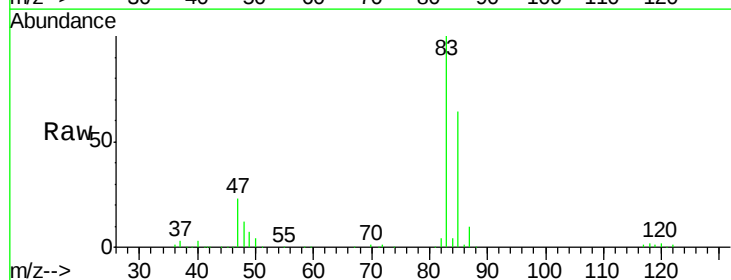
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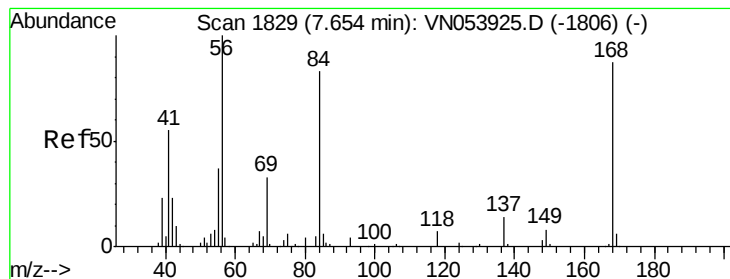
MMDadoda
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#30
Chloroform
Concen: 47.408 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.6	78.8





#31

Cyclohexane

Concen: 48.515 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

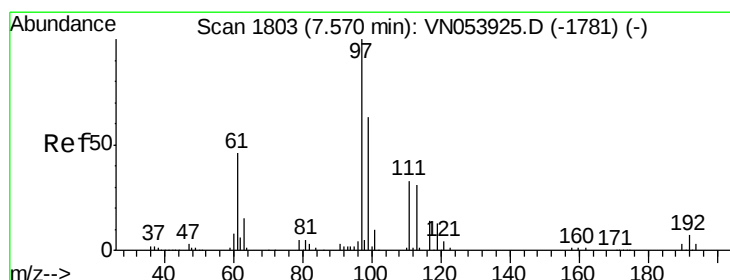
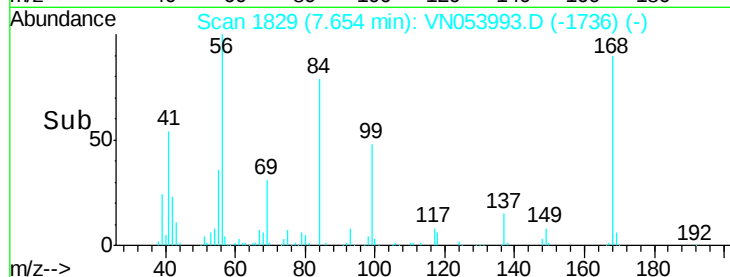
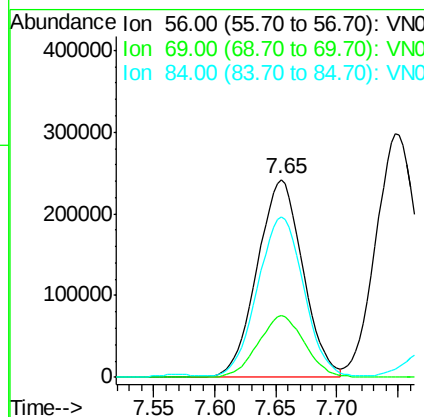
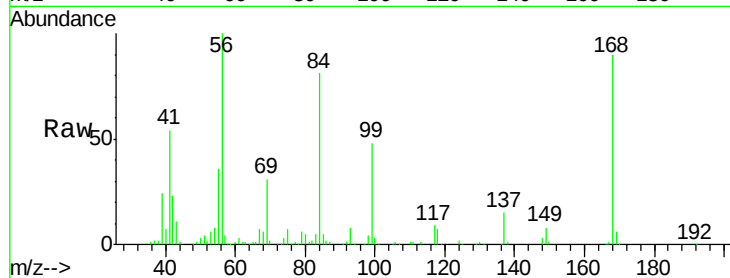
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	630080
Ion Ratio	Lower	Upper	
56	100		
69	31.3	26.0	39.0
84	80.2	69.1	103.7

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#32

1,1,1-Trichloroethane

Concen: 48.077 ug/l

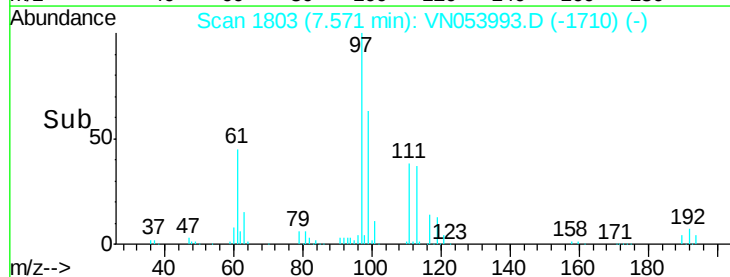
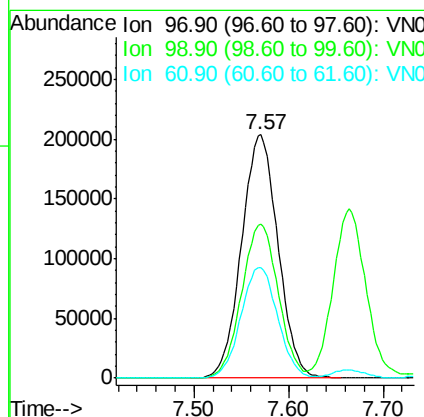
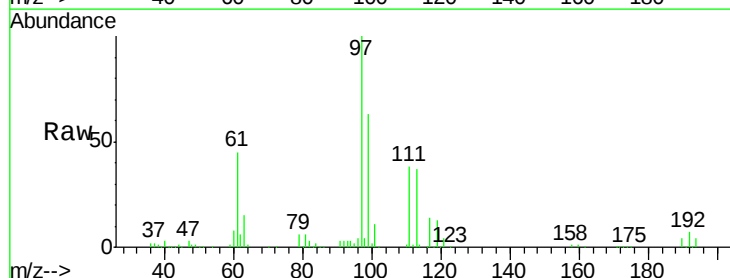
RT: 7.57 min Scan# 1803

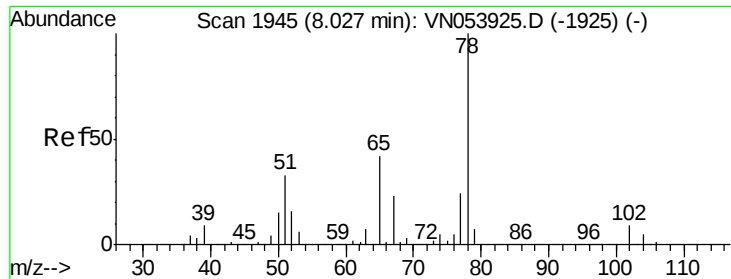
Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Tgt Ion:	97	Resp:	545358
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.8	77.8
61	45.8	33.2	49.8





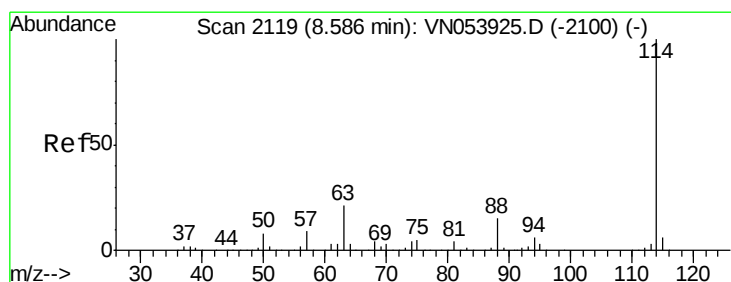
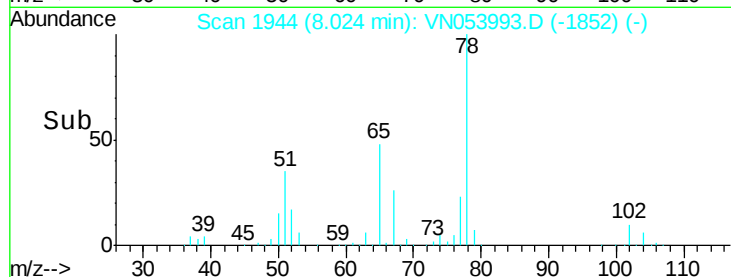
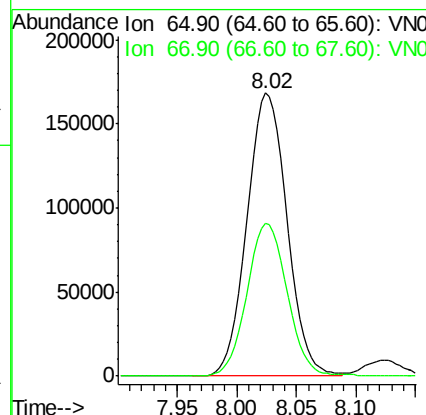
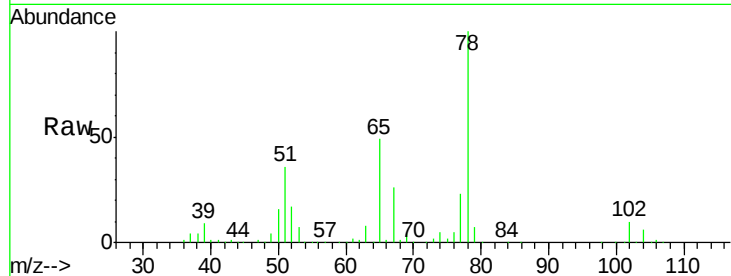
#33
 1,2-Dichloroethane-d4
 Concen: 48.420 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 393142
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 111.8

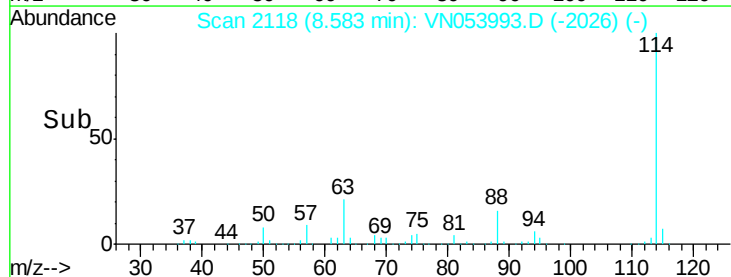
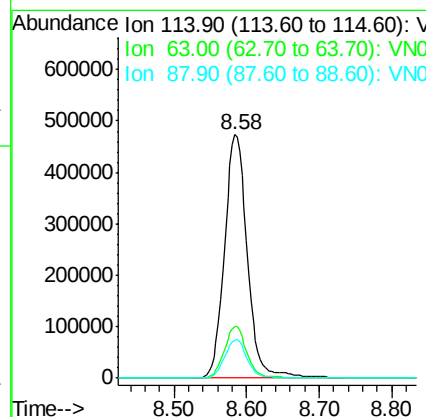
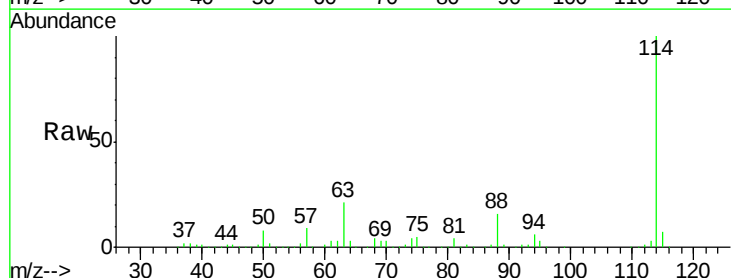
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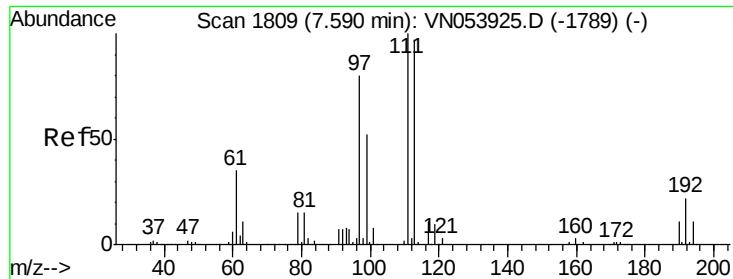
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion: 114 Resp: 1035672
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 37.4
 88 15.7 0.0 30.4





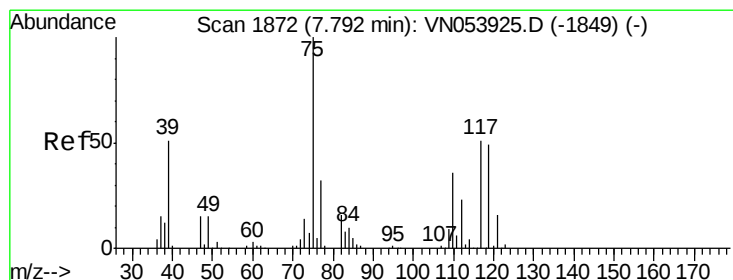
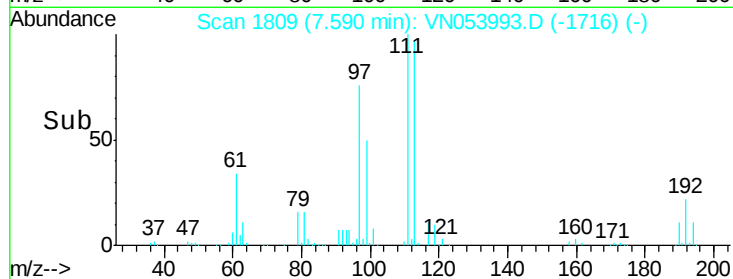
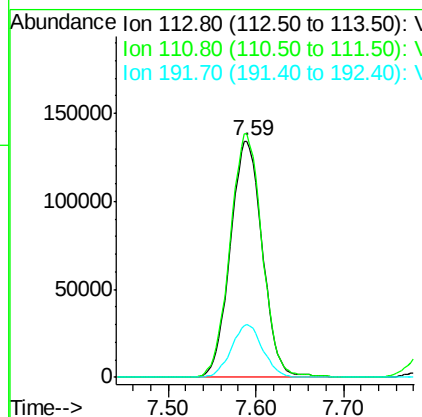
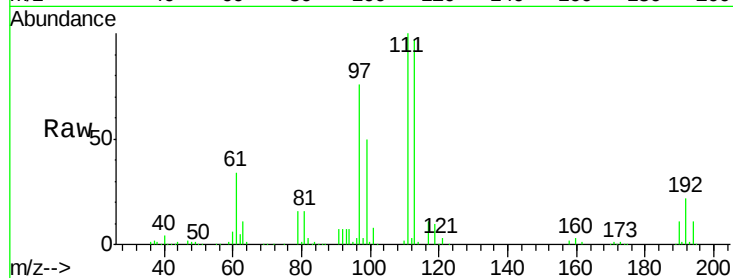
#35
Dibromofluoromethane
Concen: 51.098 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	342214		
111	103.3	81.1	121.7	
192	21.9	18.8	28.2	

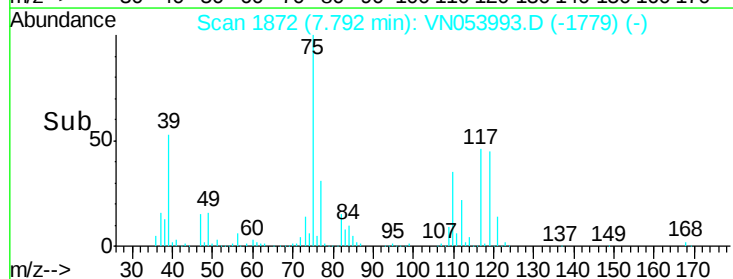
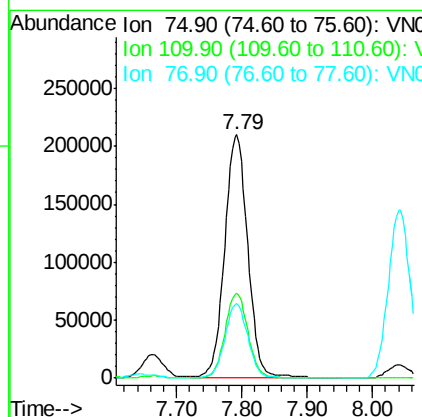
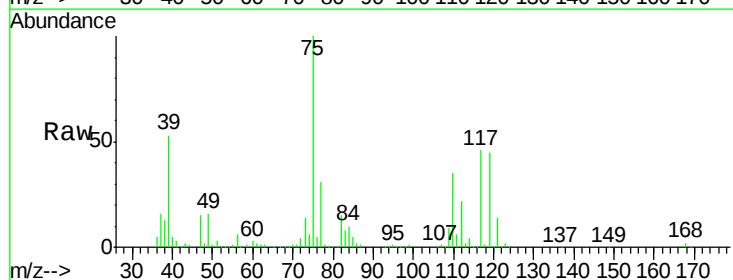
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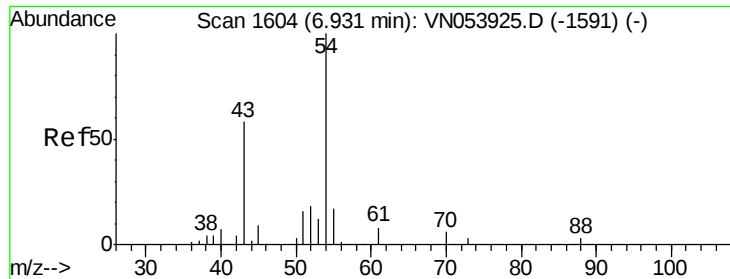
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#36
1,1-Dichloropropene
Concen: 53.428 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	514585		
110	34.8	19.0	57.0	
77	30.6	25.4	38.0	





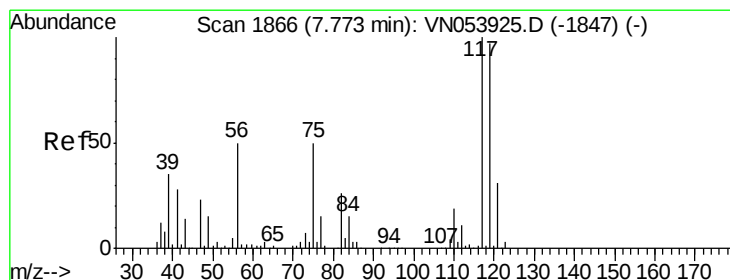
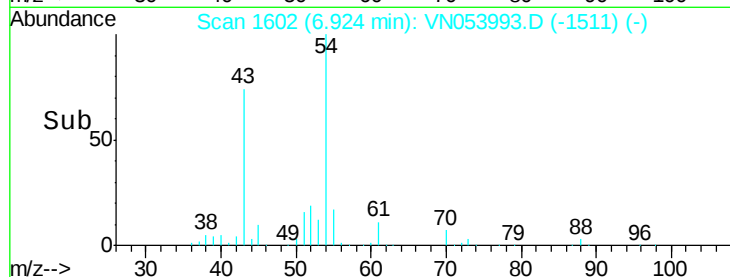
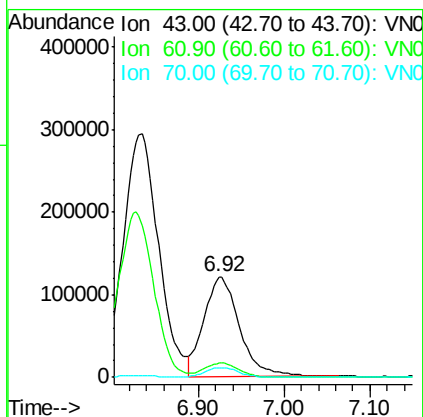
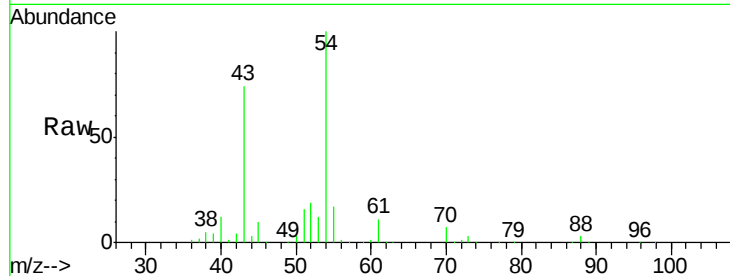
#37
Ethyl Acetate
Concen: 50.532 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	12.0	18.0
70	9.1	8.7	13.1

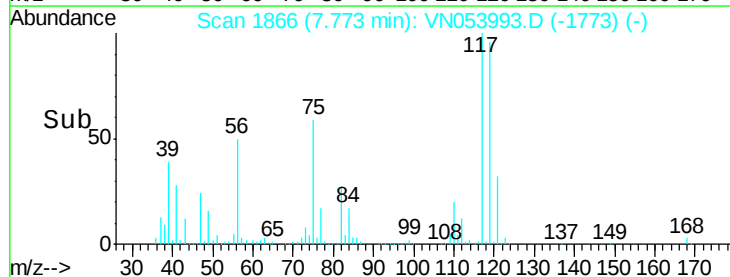
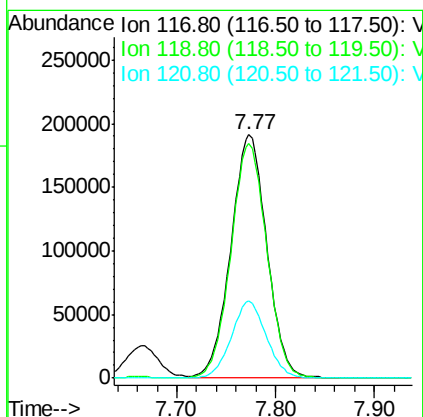
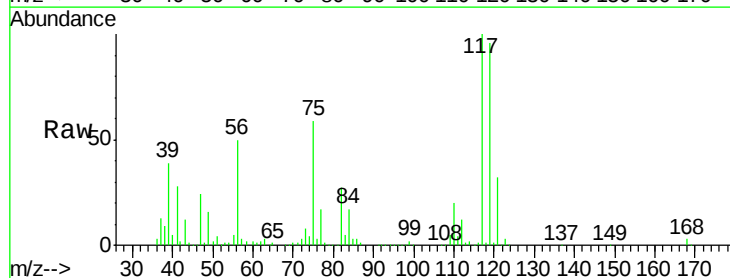
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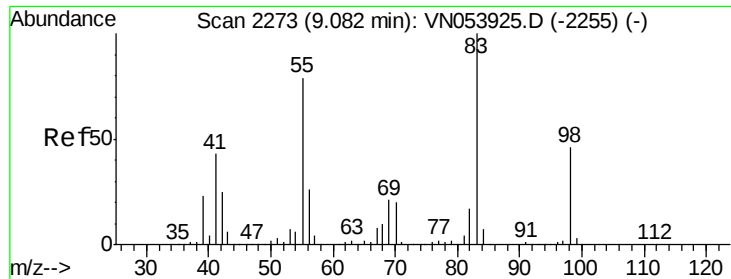
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#38
Carbon Tetrachloride
Concen: 48.097 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.2	114.2
121	32.1	24.6	36.8





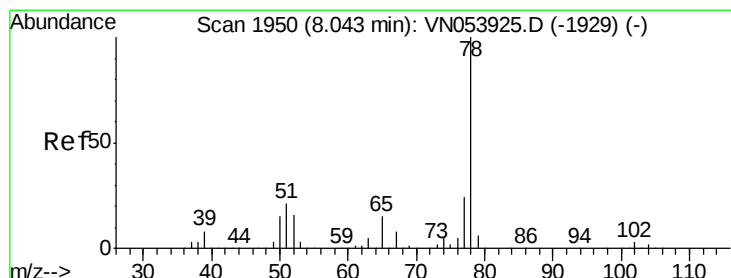
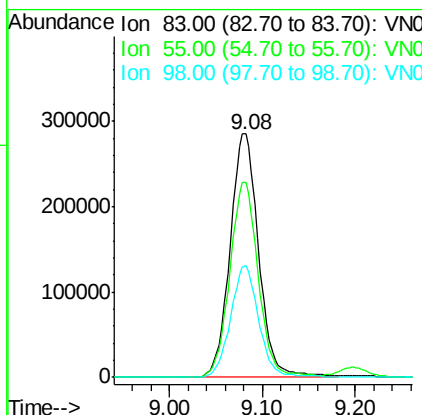
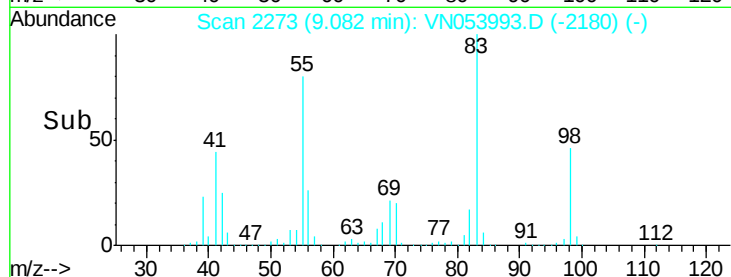
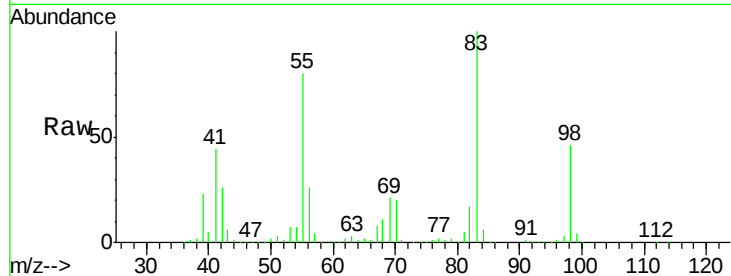
#39
Methvlcvclohexane
Concen: 52.521 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	609699
Ion Ratio	Lower	Upper	
83	100		
55	79.9	58.2	87.4
98	45.8	37.2	55.8

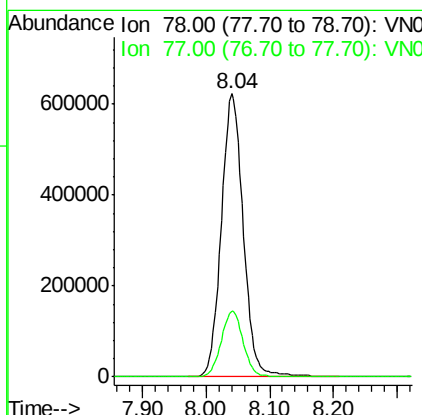
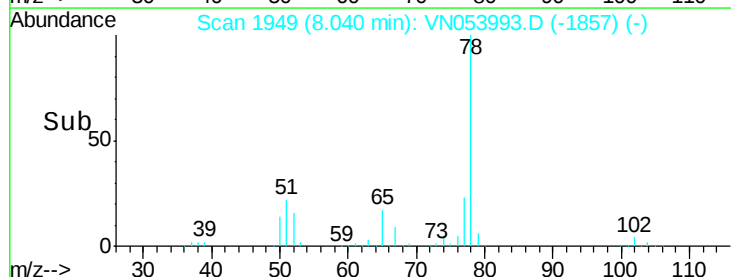
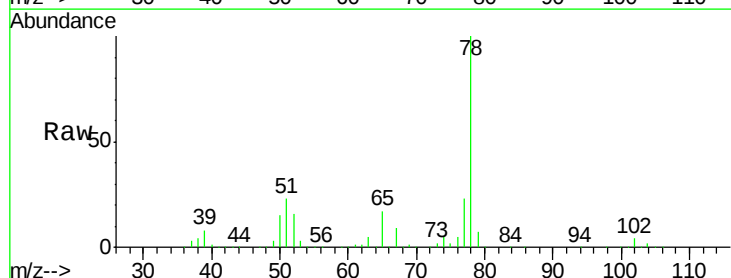
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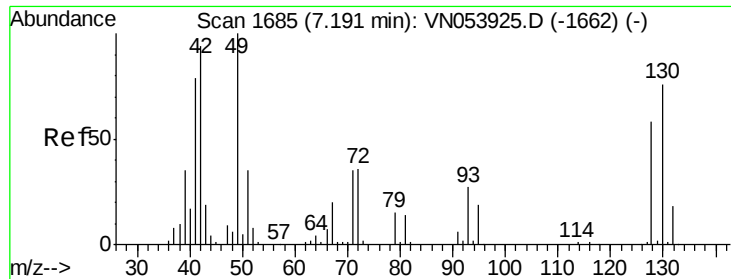
MMDadoda
3/1/2019 4:10:05 PM



#40
Benzene
Concen: 50.481 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion	78	Resp	1493640
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.8	28.2





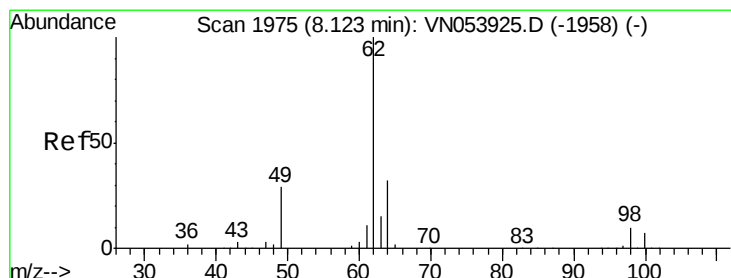
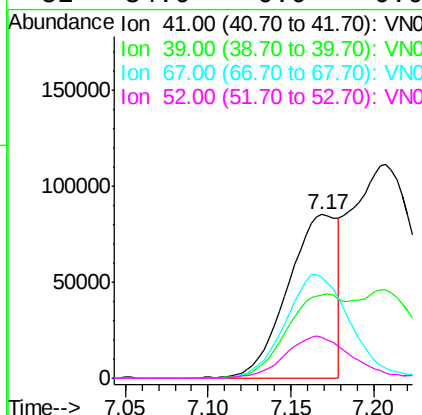
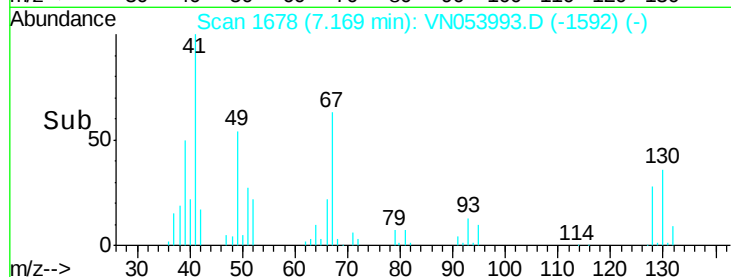
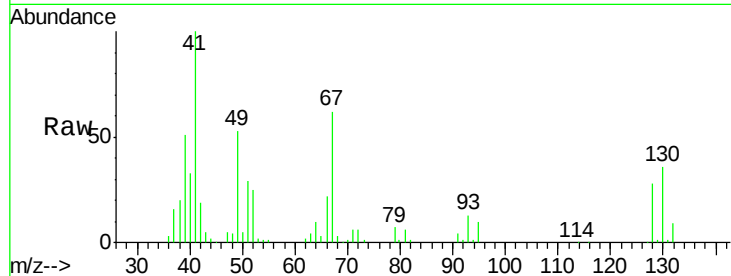
#41
Methacrylonitrile
Concen: 40.027 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.02 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	177251
Ion	Ratio	Lower	Upper
41	100		
39	60.9	0.0	0.0#
67	83.5	0.0	0.0#
52	34.0	0.0	0.0#

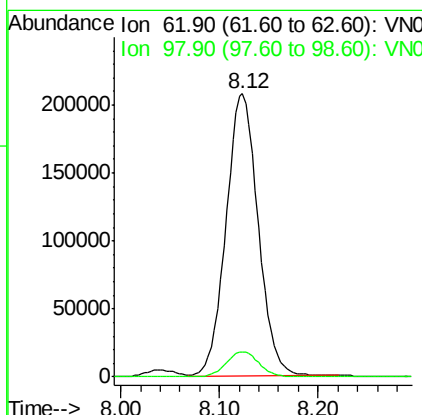
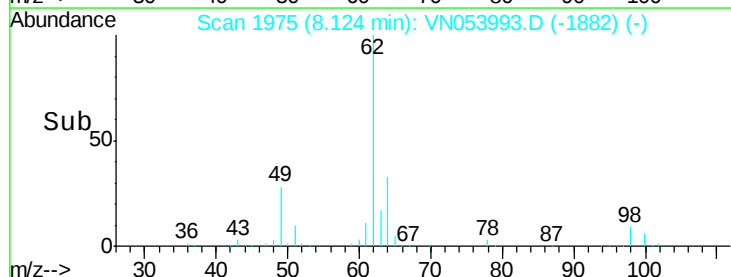
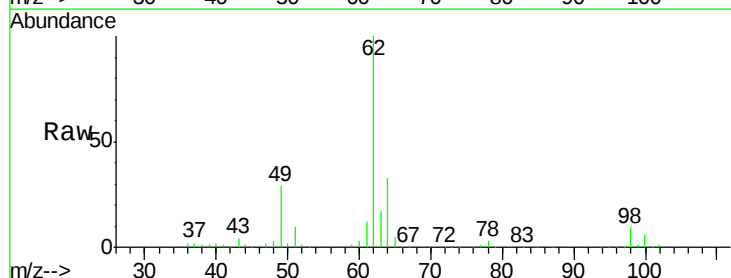
Manual Integrations
APPROVED

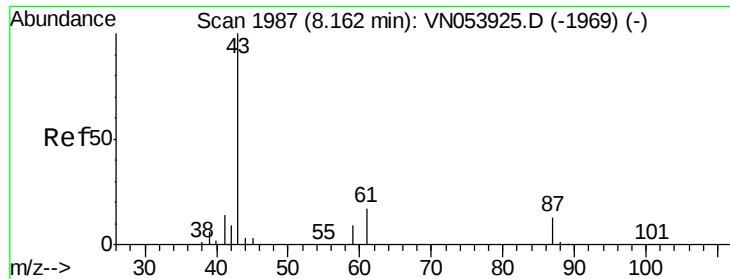
MMDadoda
3/1/2019 4:10:05 PM



#42
1,2-Dichloroethane
Concen: 51.606 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion	62	Resp	472727
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.8





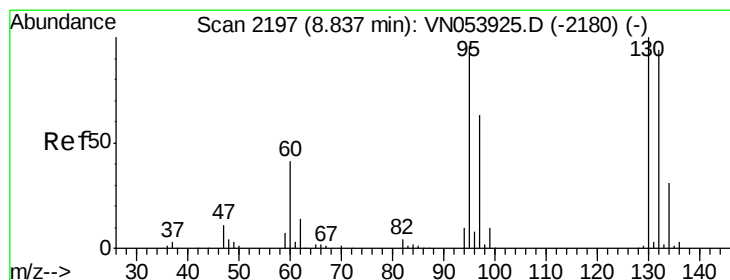
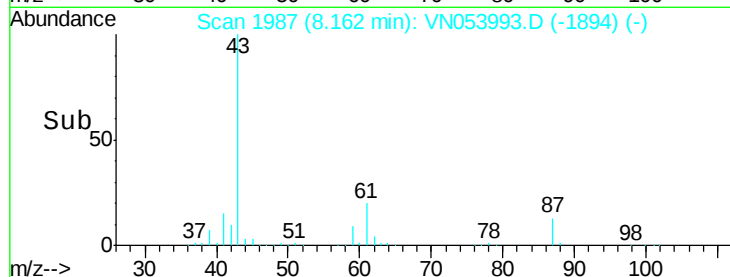
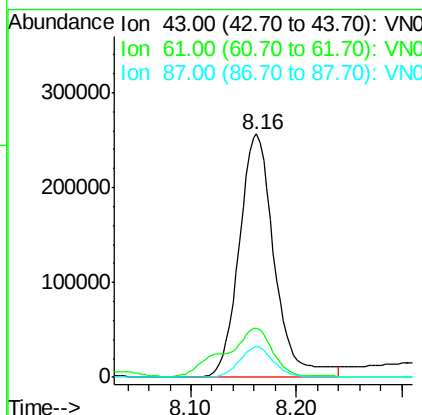
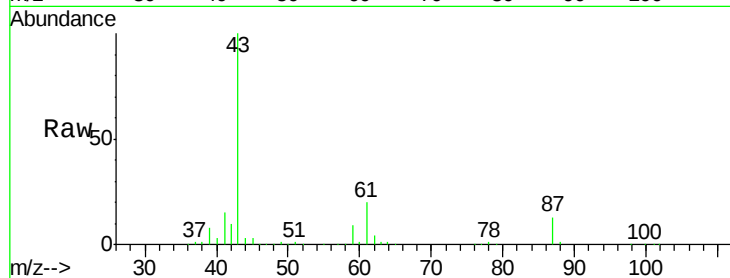
#43
Isopropyl Acetate
Concen: 51.148 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	17.4	26.0#
87	12.1	11.5	17.3

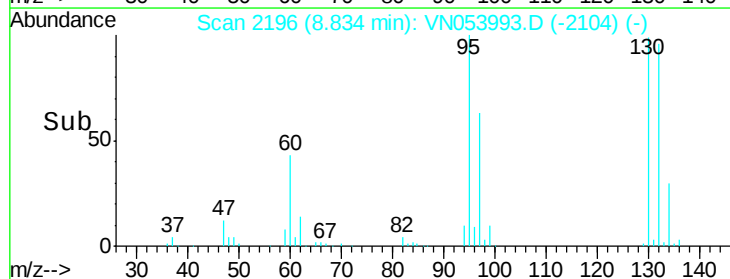
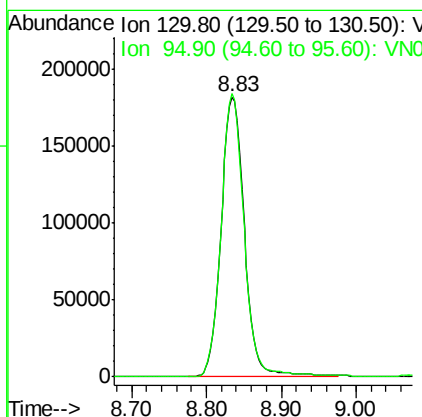
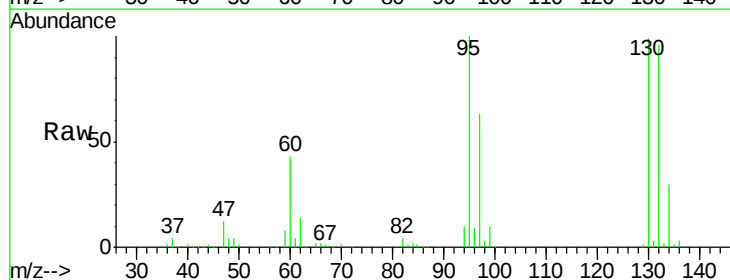
Manual Integrations
APPROVED

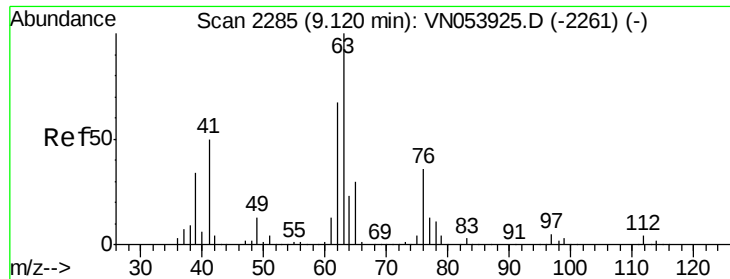
MMDadoda
3/1/2019 4:10:05 PM



#44
Trichloroethene
Concen: 50.381 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	190.0





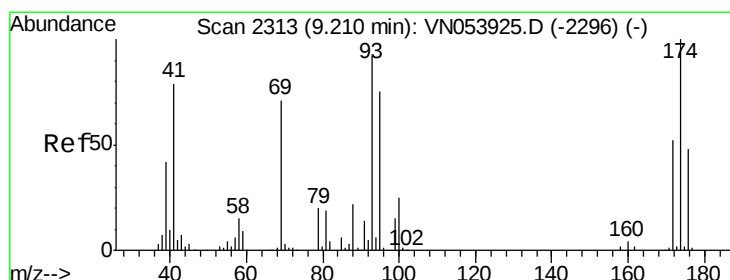
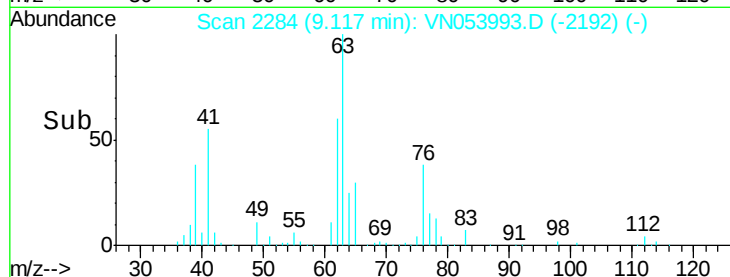
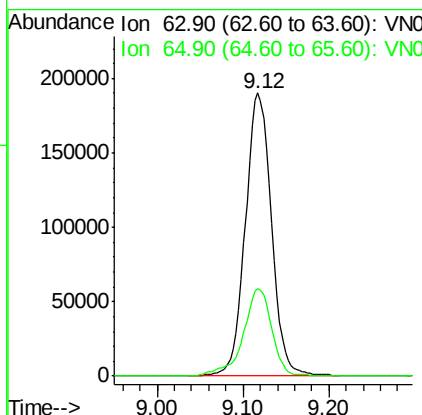
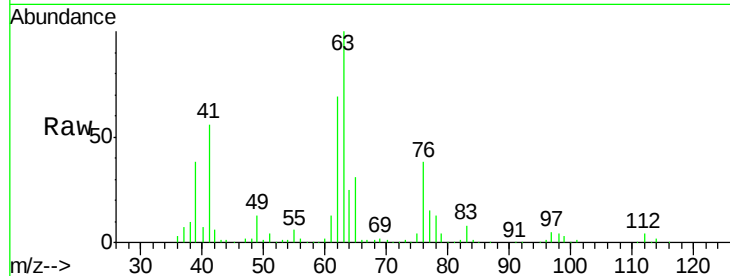
#45
 1,2-Dichloropropane
 Concen: 50.618 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 404067
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.3 36.5

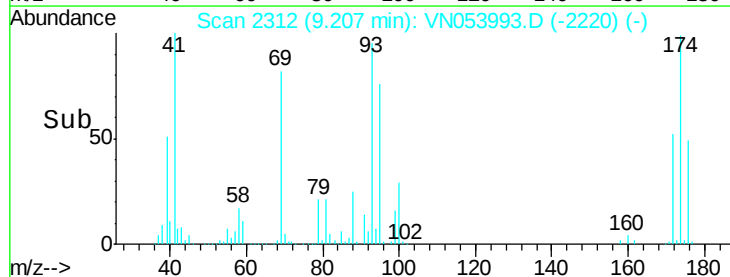
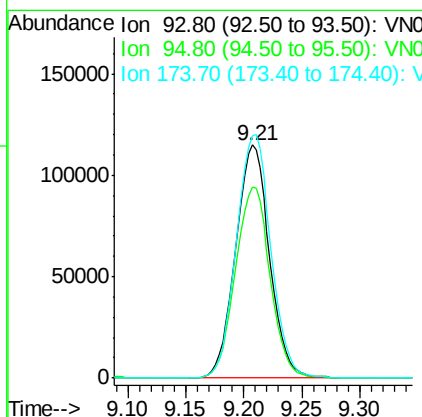
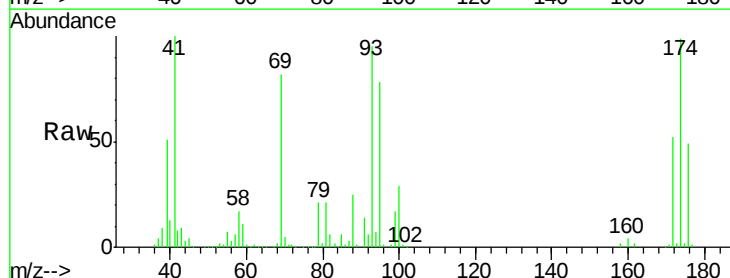
Manual Integrations
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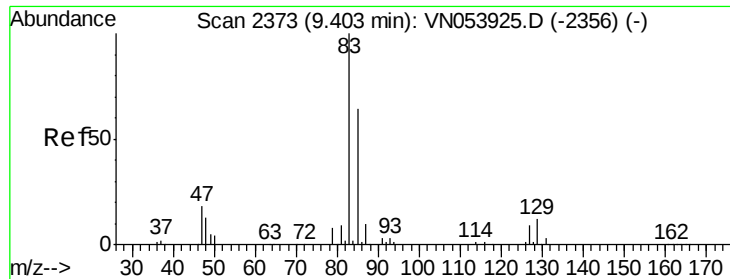
MMDadoda
 3/1/2019 4:10:05 PM



#46
 Dibromomethane
 Concen: 50.393 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion: 93 Resp: 233542
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.6 100.0
 174 106.4 96.2 144.4





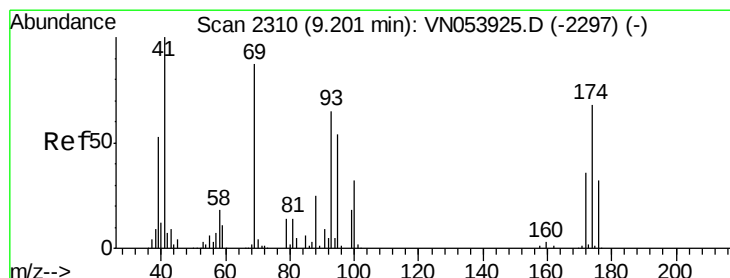
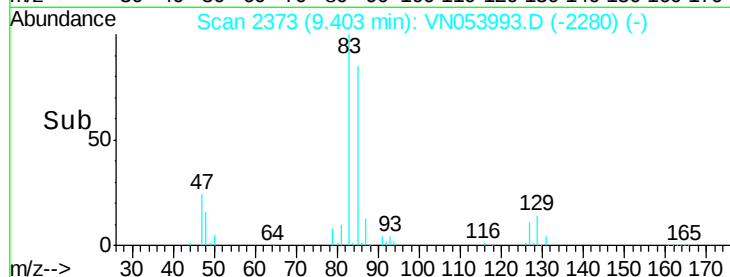
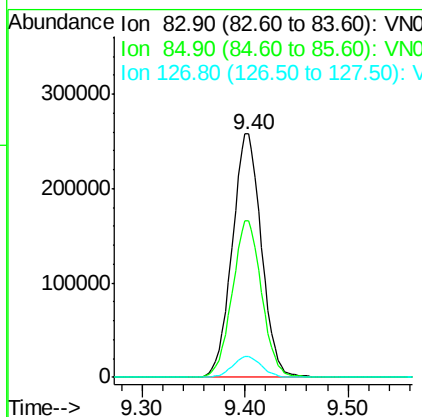
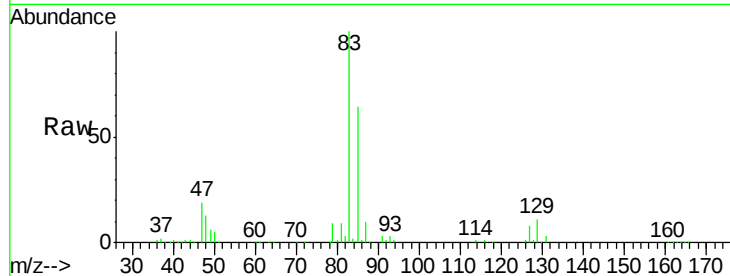
#47
Bromodichloromethane
Concen: 52.098 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	508824
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	51.8	77.6
127	8.4	7.4	11.0

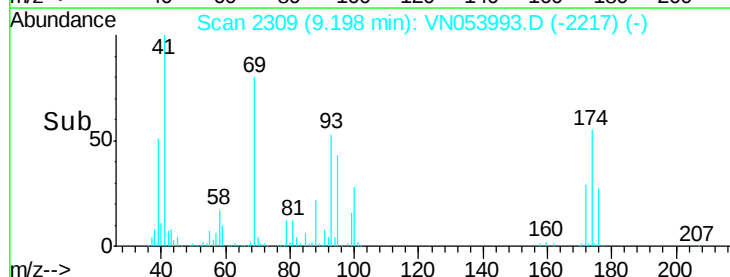
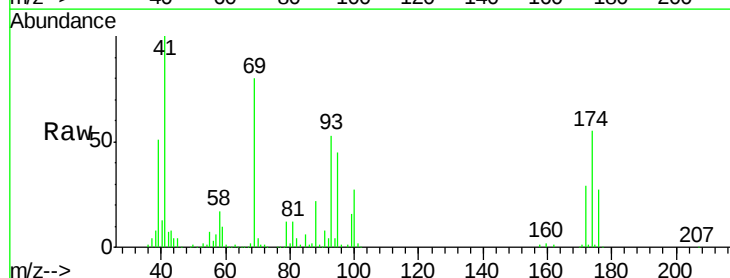
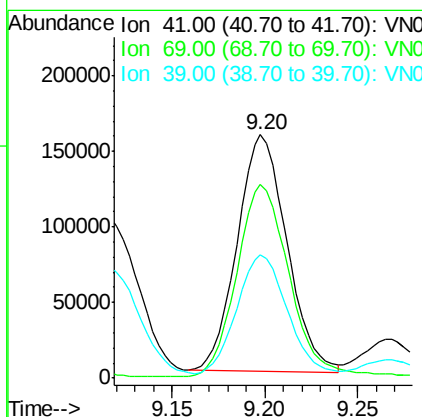
Manual Integrations
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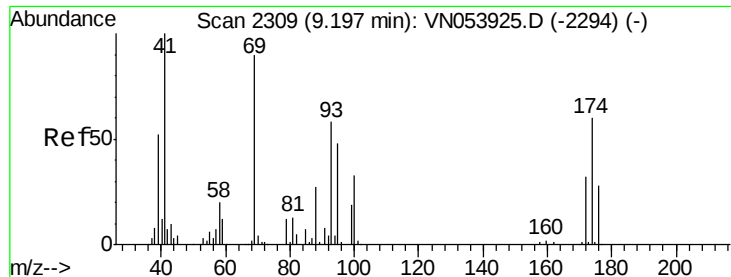
MMDadoda
3/1/2019 4:10:05 PM



#48
Methyl methacrylate
Concen: 54.377 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion	41	Resp	290427
Ion Ratio	100	Lower	Upper
41	100		
69	88.0	74.8	112.2
39	54.5	39.0	58.6





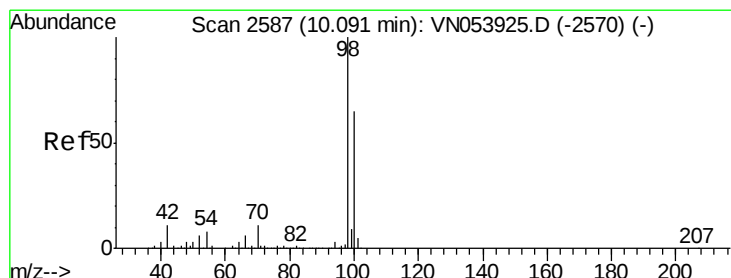
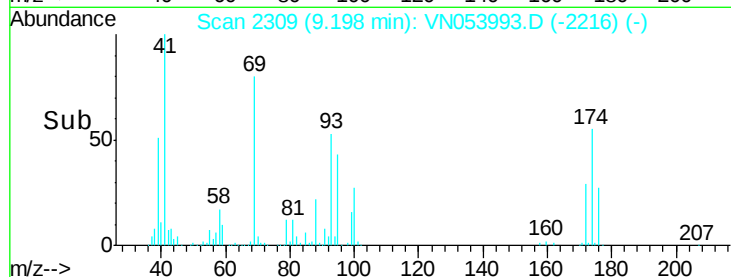
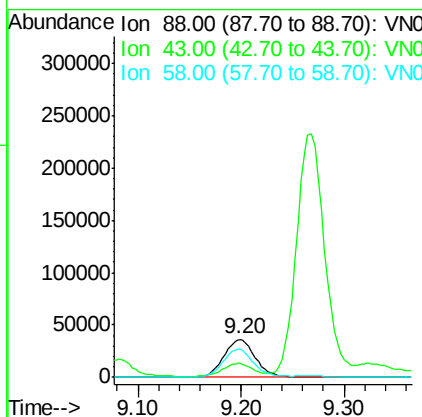
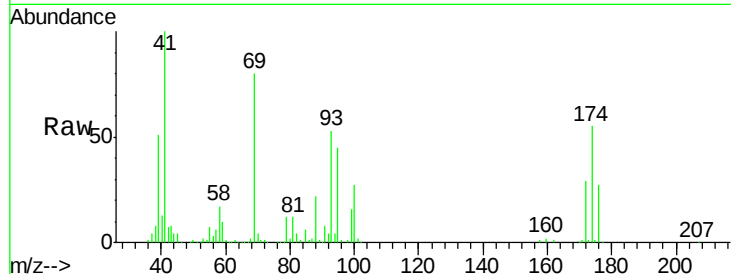
#49
1,4-Dioxane
Concen: 1080.415 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	21.2	31.8#
58	71.9	54.2	81.2

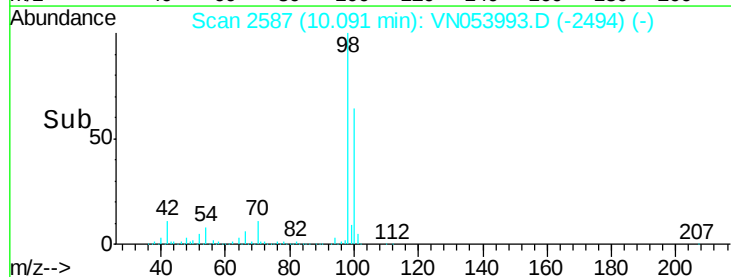
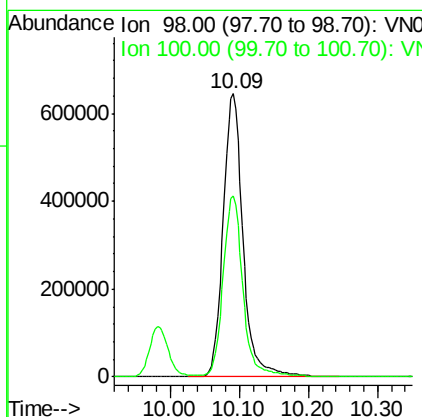
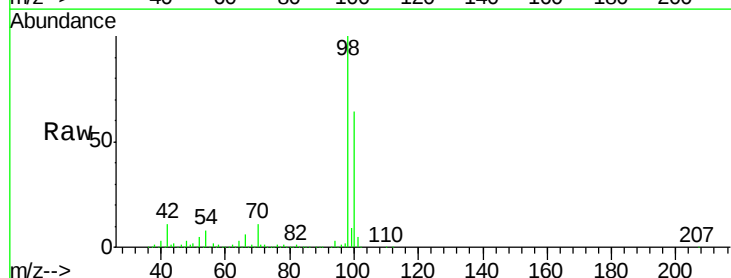
Manual Integrations
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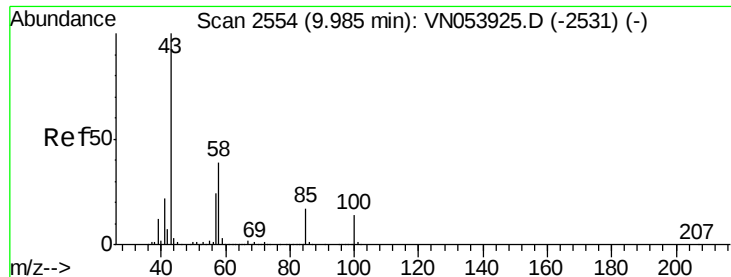
MMDadoda
3/1/2019 4:10:05 PM



#50
Toluene-d8
Concen: 51.599 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.9	77.9





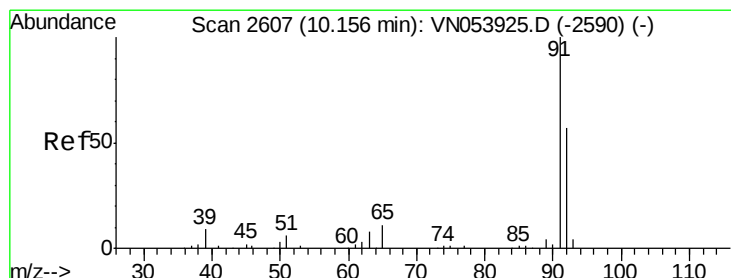
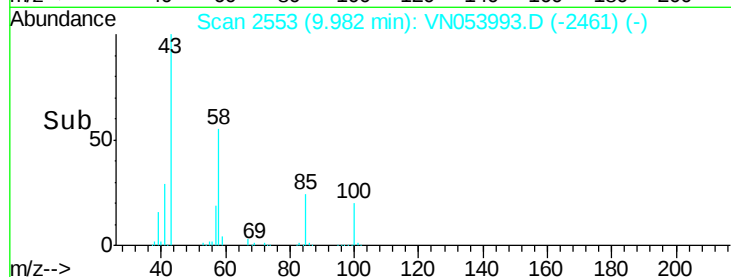
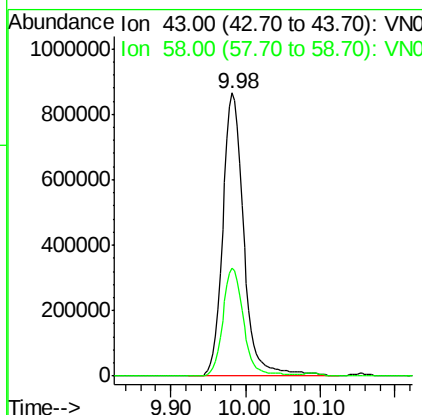
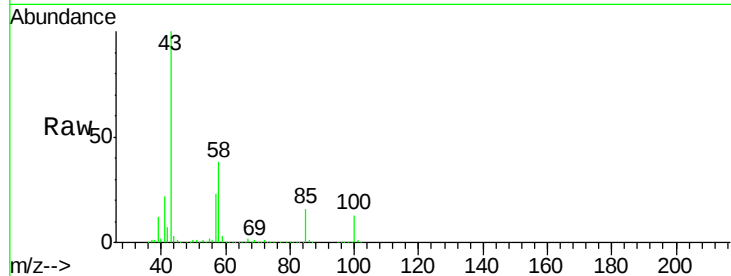
#51
4-Methyl-2-Pentanone
Concen: 280.454 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1673411
Ion Ratio Lower Upper
43 100
58 37.8 32.7 49.1

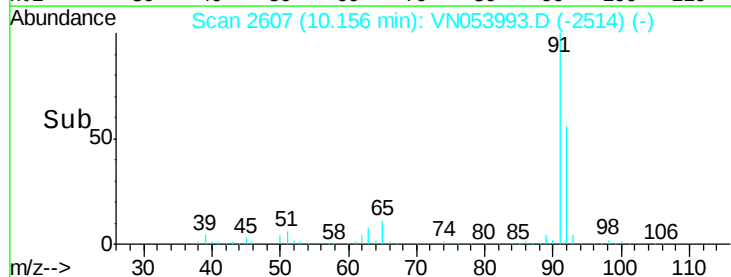
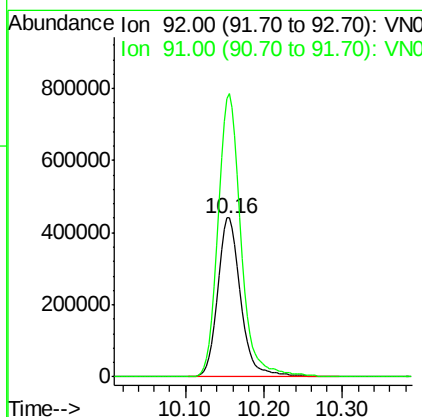
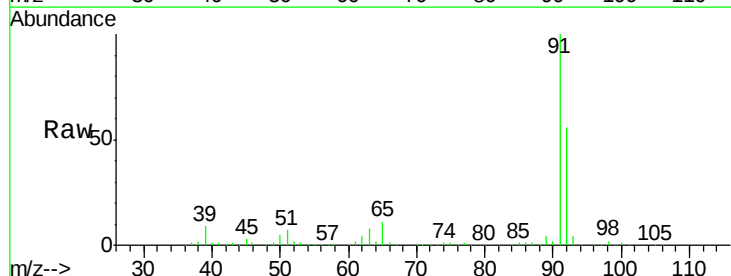
Manual Integrations
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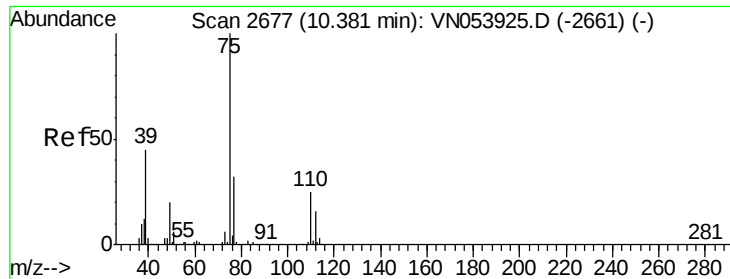
MMDadoda
3/1/2019 4:10:05 PM



#52
Toluene
Concen: 50.974 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion: 92 Resp: 888083
Ion Ratio Lower Upper
92 100
91 177.3 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 53.666 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 509983

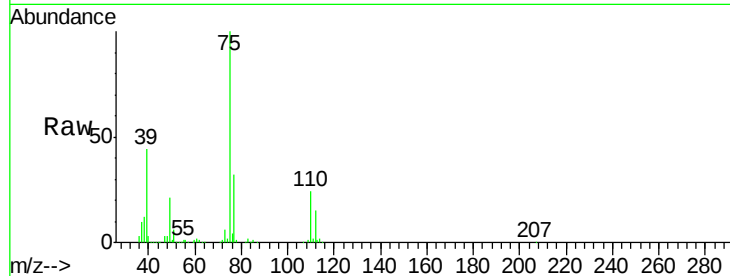
Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.6

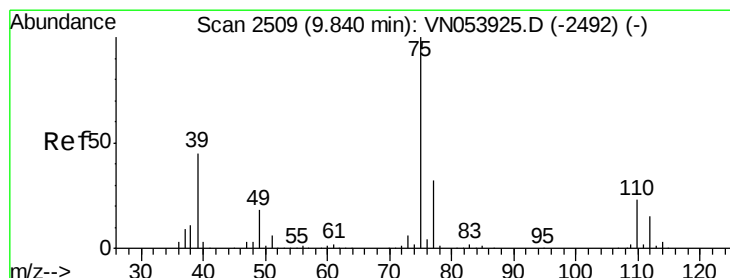
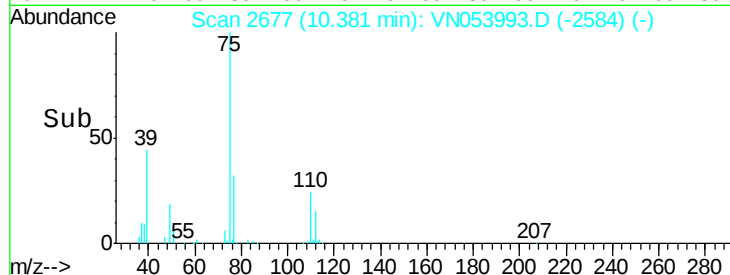
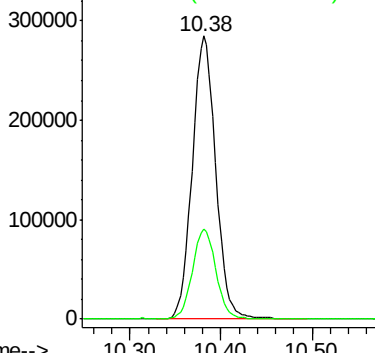
Manual Integrations
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MMDadoda
3/1/2019 4:10:05 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 52.619 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

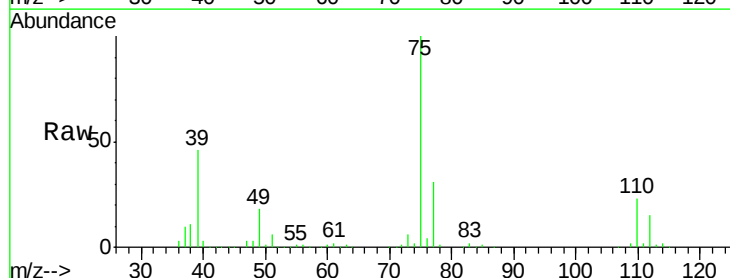
Tgt Ion: 75 Resp: 589481

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6

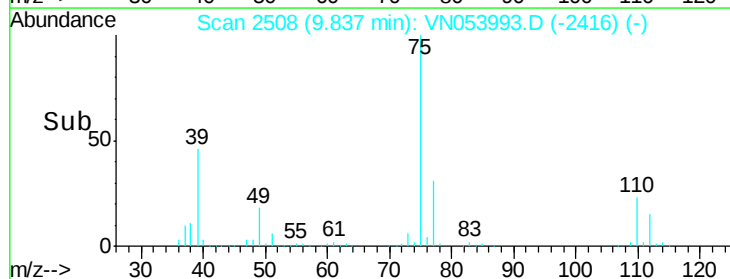
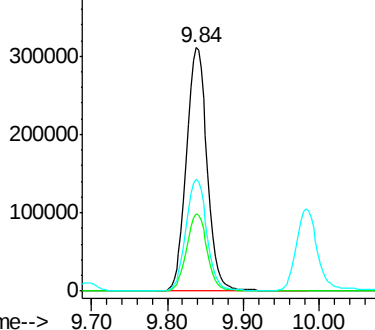
39 46.1 31.4 47.0

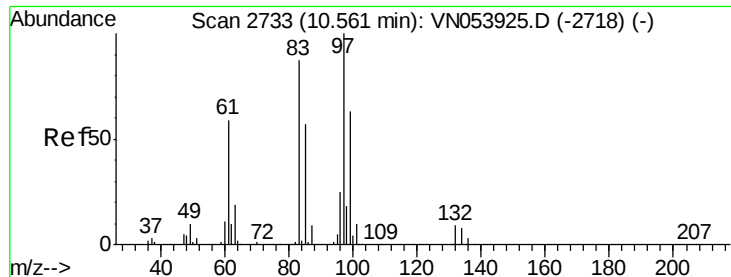


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





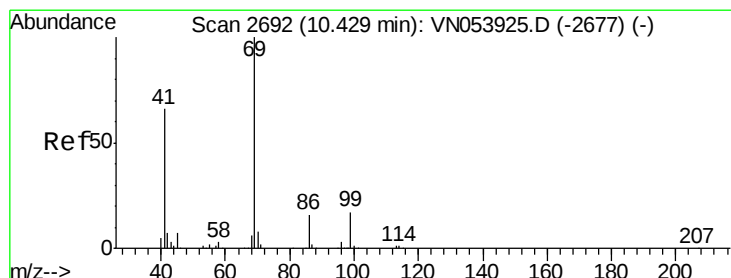
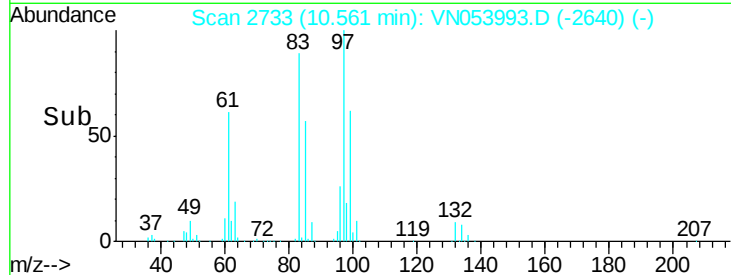
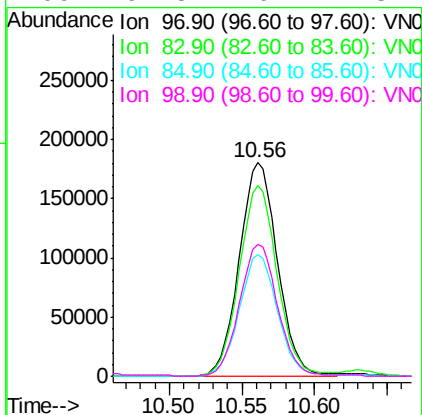
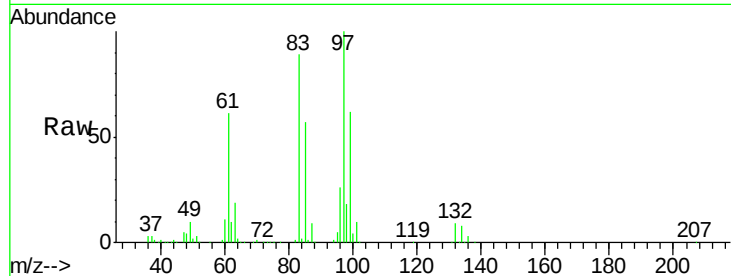
#55
 1,1,2-Trichloroethane
 Concen: 50.735 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	330108
Ion	Ratio	Lower	Upper
97	100		
83	89.1	69.5	104.3
85	57.2	45.9	68.9
99	61.8	49.1	73.7

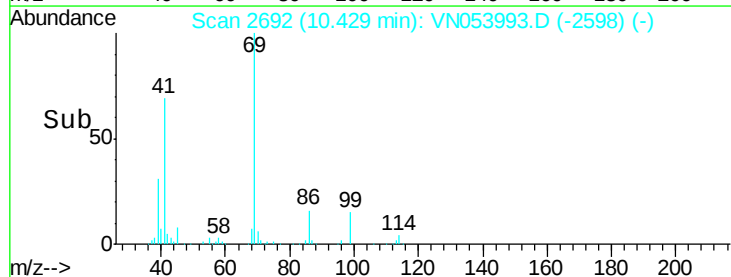
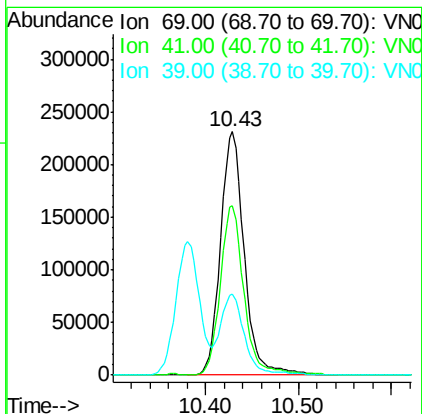
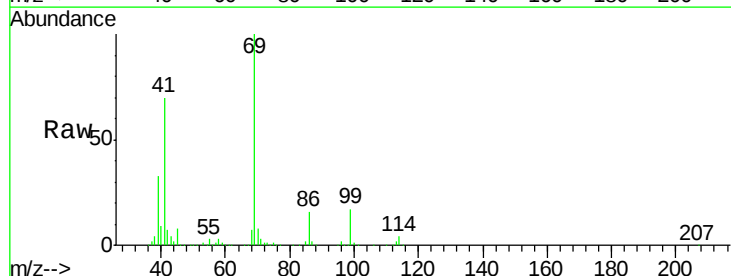
Manual Integrations
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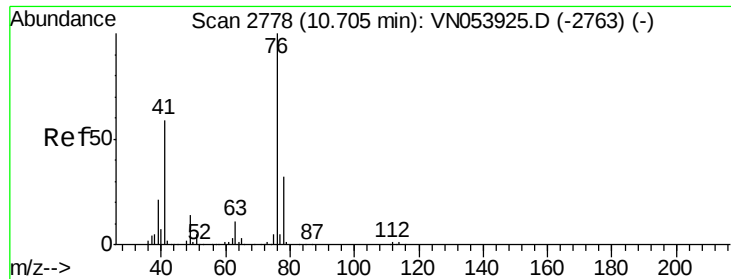
MMDadoda
 3/1/2019 4:10:05 PM



#56
 Ethyl methacrylate
 Concen: 48.218 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion:	69	Resp:	410753
Ion	Ratio	Lower	Upper
69	100		
41	69.3	47.5	71.3
39	33.4	23.4	35.0





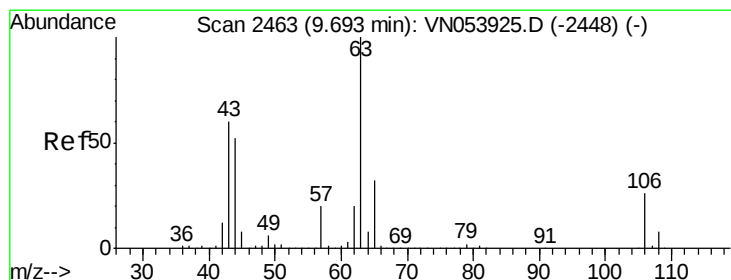
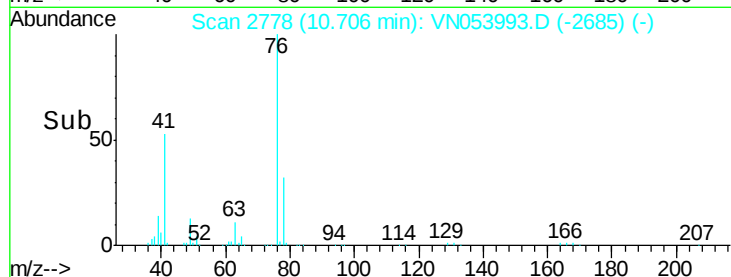
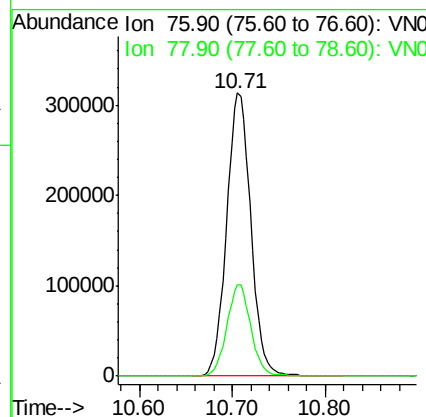
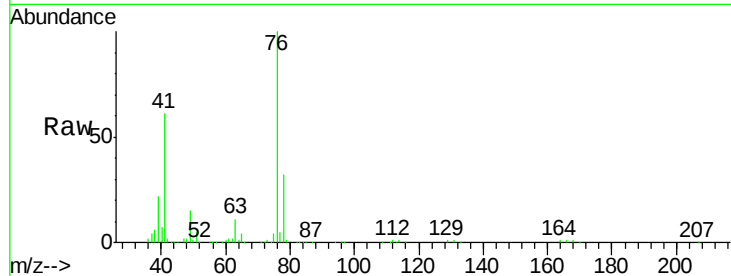
#57
 1,3-Dichloropropane
 Concen: 51.461 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 565744
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.2 37.8

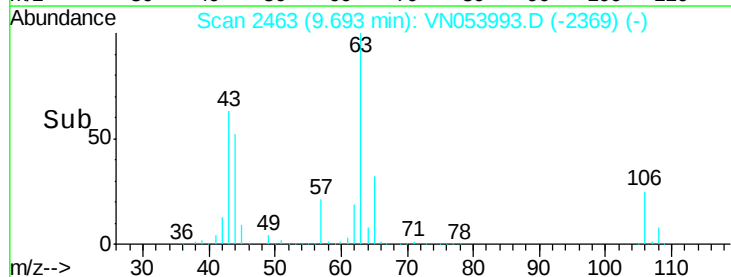
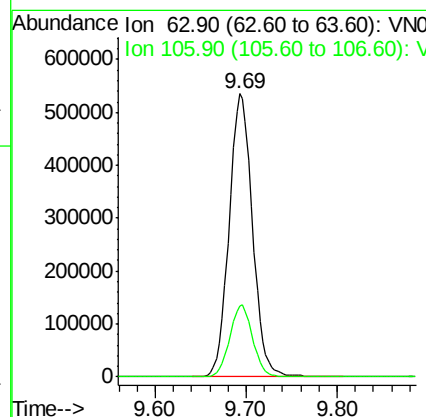
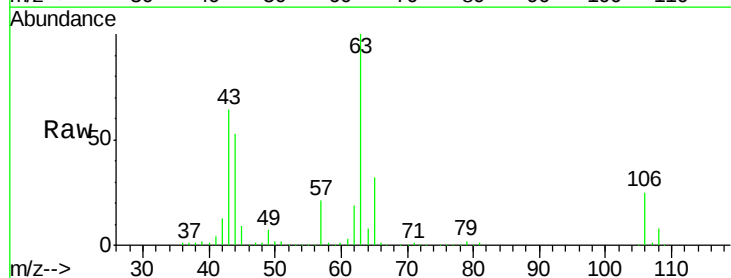
Manual Integrations
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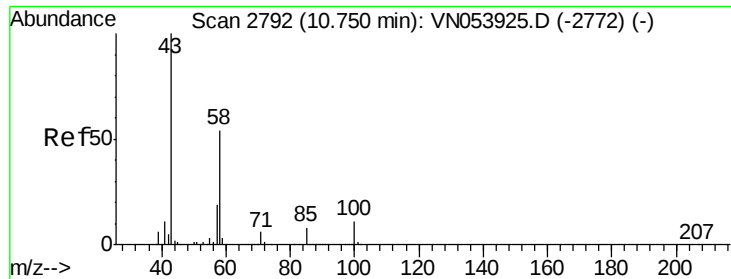
MMDadoda
 3/1/2019 4:10:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.029 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion: 63 Resp: 955318
 Ion Ratio Lower Upper
 63 100
 106 25.1 22.2 33.2





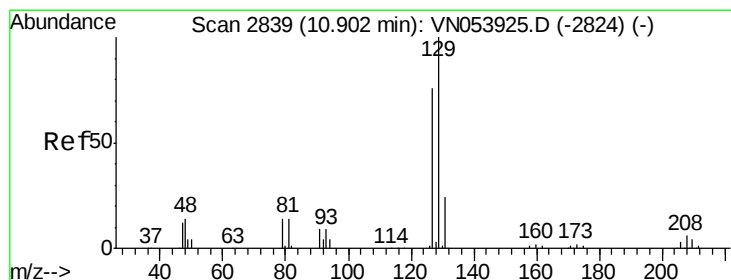
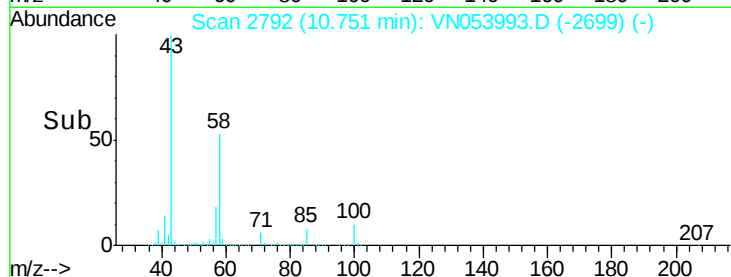
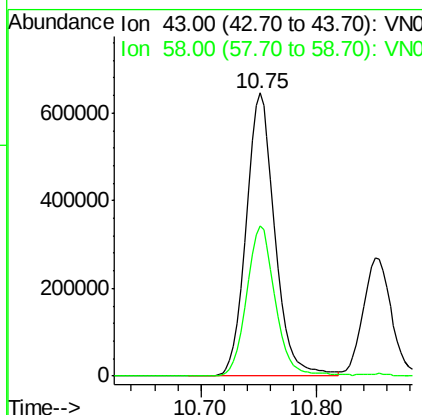
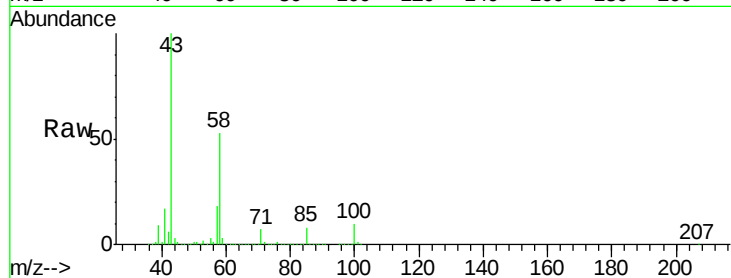
#59
2-Hexanone
Concen: 286.532 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1111946
Ion Ratio Lower Upper
43 100
58 53.2 29.1 87.4

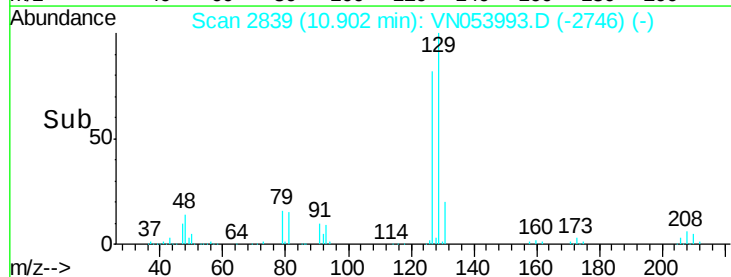
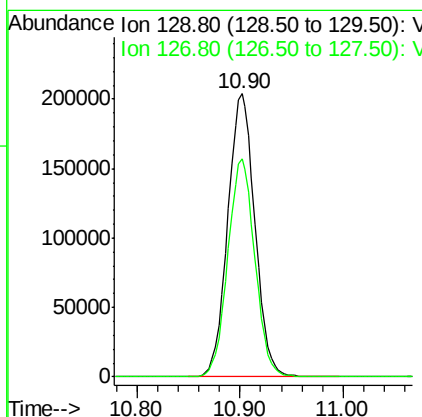
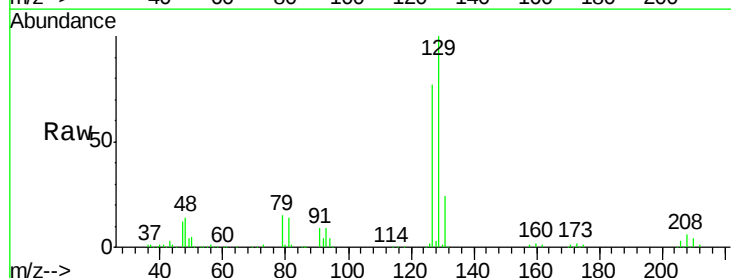
Manual Integrations
APPROVED

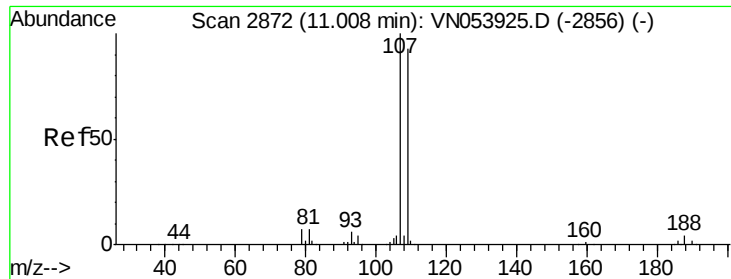
MMDadoda
3/1/2019 4:10:05 PM



#60
Dibromochloromethane
Concen: 51.723 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion: 129 Resp: 374017
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.3





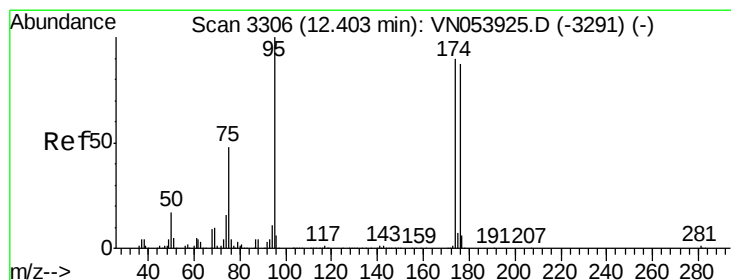
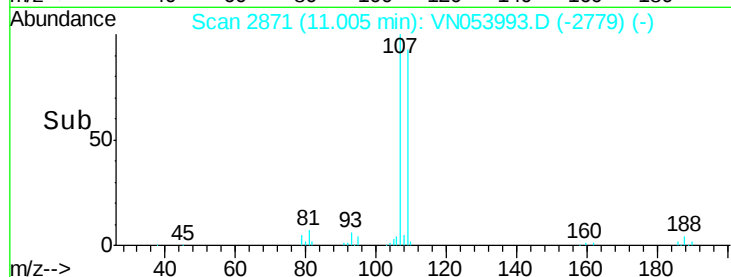
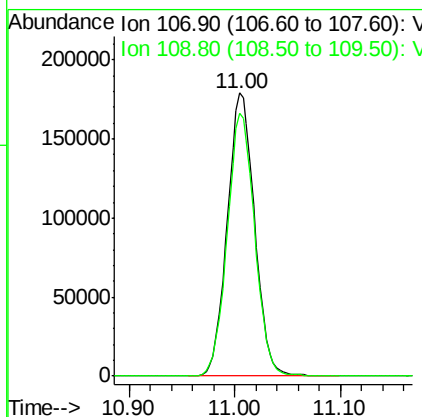
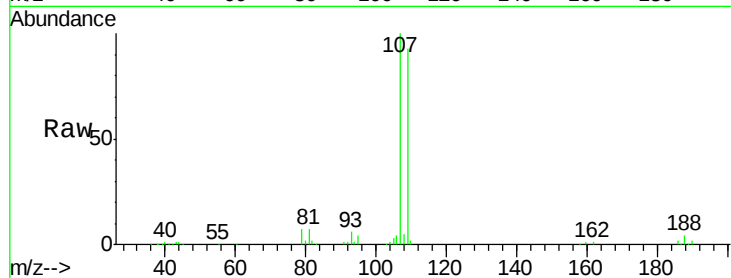
#61
1,2-Dibromoethane
Concen: 50.987 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	320022		
109	93.3	76.3	114.5	

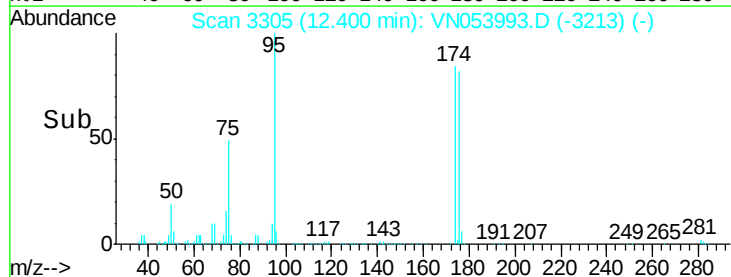
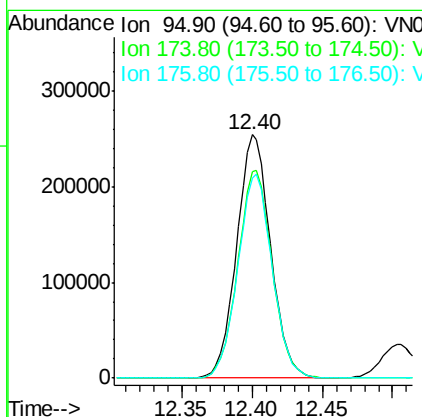
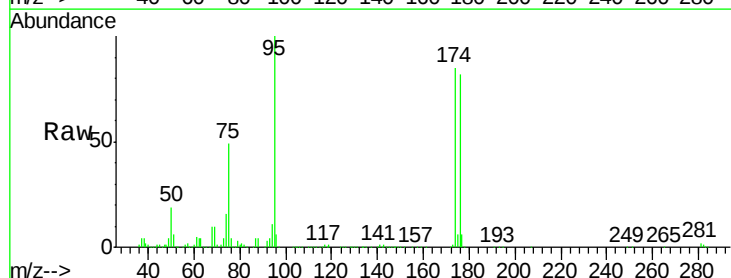
Manual Integrations
APPROVED

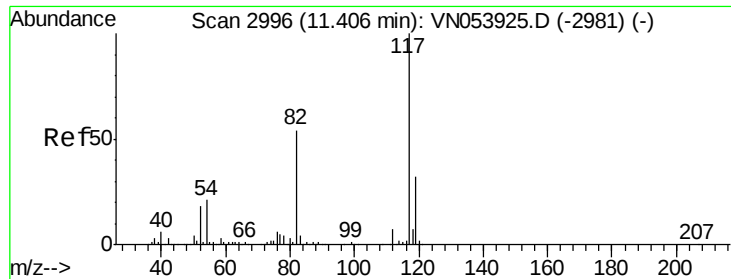
MMDadoda
3/1/2019 4:10:05 PM



#62
4-Bromofluorobenzene
Concen: 51.539 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	428096		
174	86.4	0.0	188.8	
176	84.8	0.0	182.6	





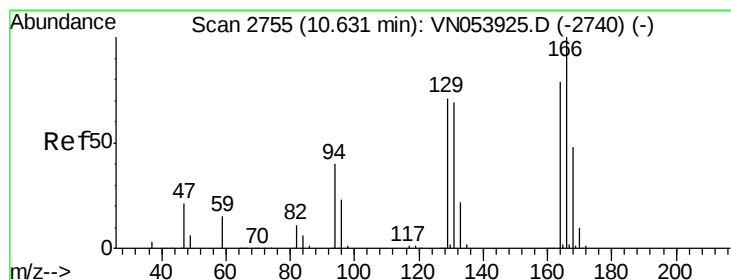
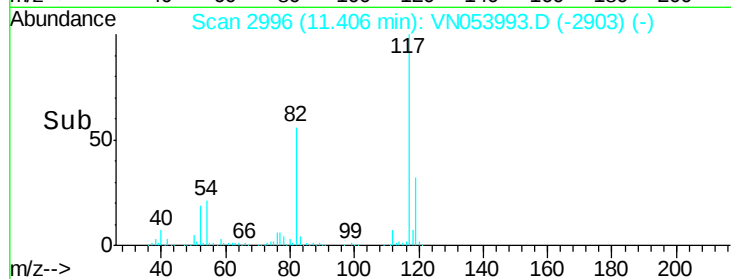
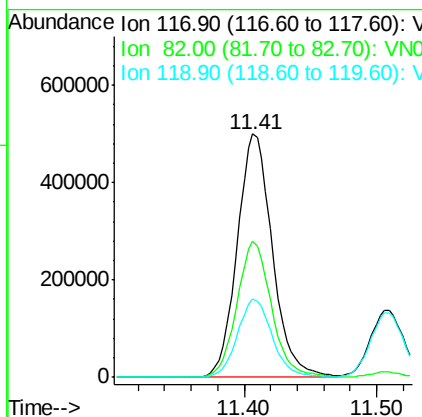
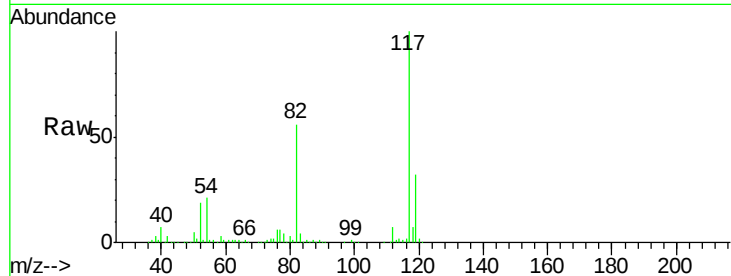
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	921340		
82	55.7	41.4	62.2	
119	32.0	25.3	37.9	

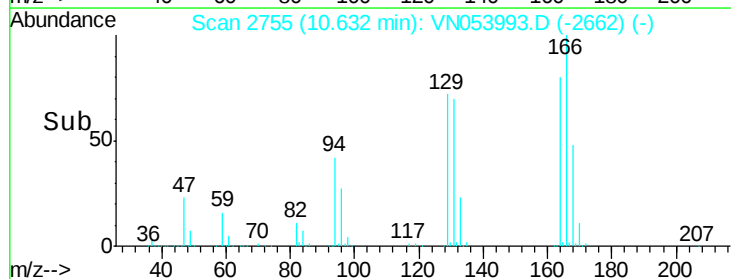
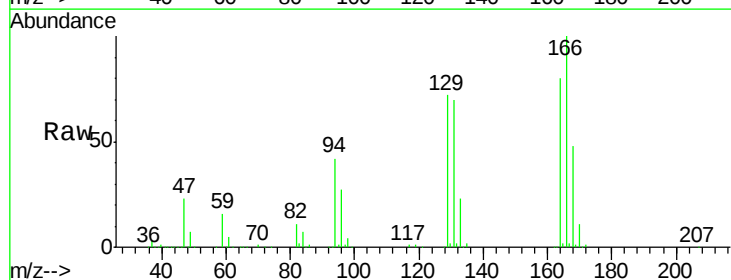
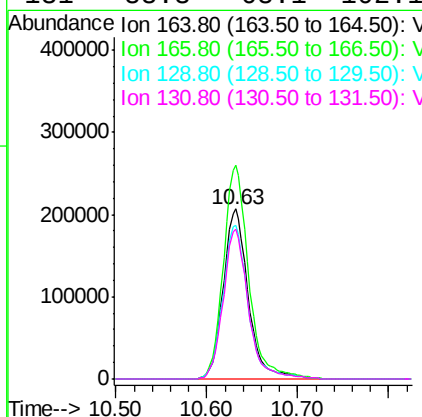
Manual Integrations
APPROVED

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3/1/2019 4:10:05 PM



#64
Tetrachloroethene
Concen: 50.629 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	394997		
166	125.7	102.6	153.8	
129	90.7	69.4	104.0	
131	88.3	68.1	102.1	





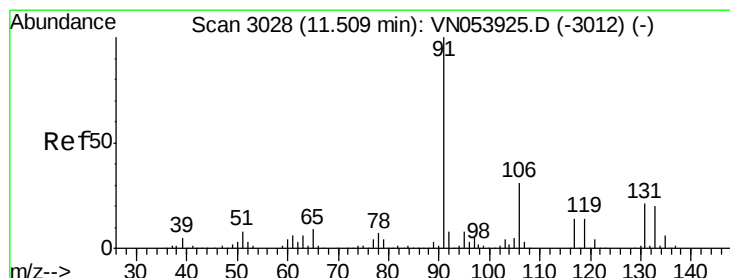
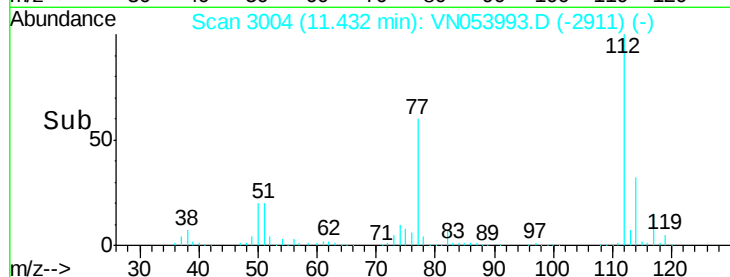
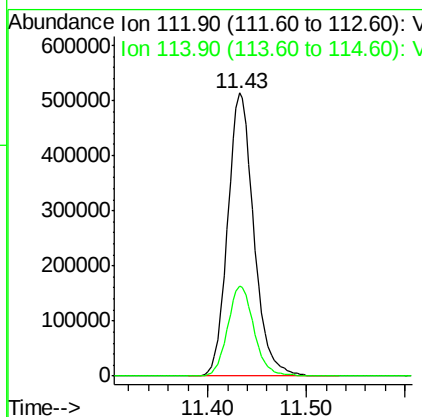
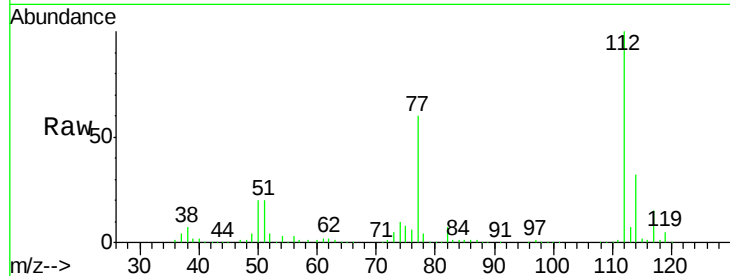
#65
Chlorobenzene
Concen: 48.889 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 950618
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5

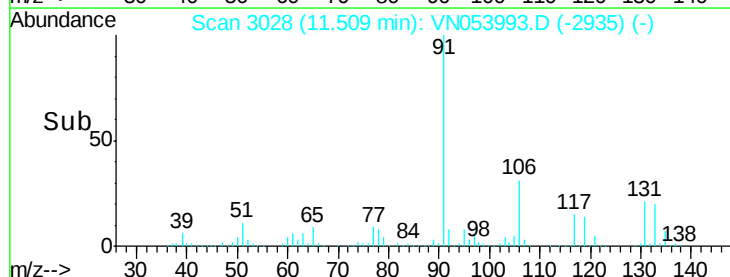
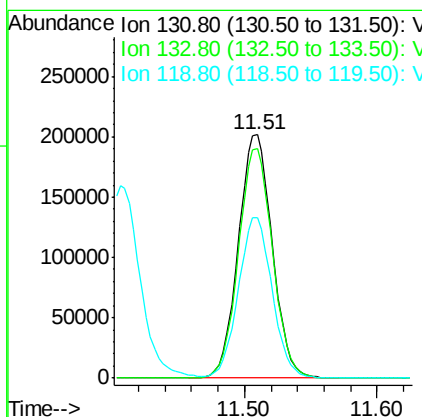
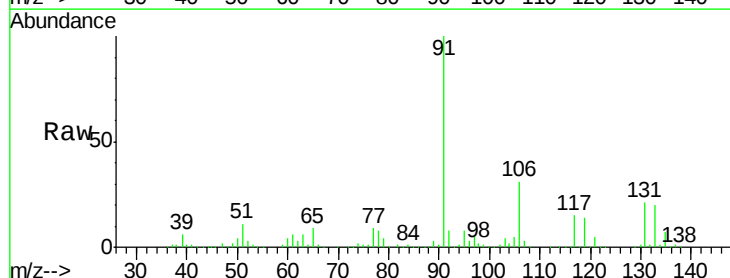
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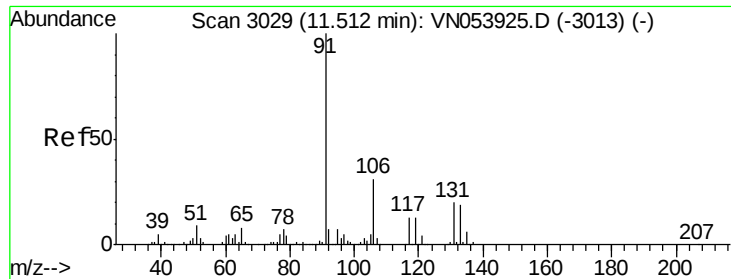
MMDadoda
3/1/2019 4:10:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.042 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion:131 Resp: 357694
Ion Ratio Lower Upper
131 100
133 94.6 47.7 143.1
119 66.1 33.1 99.3





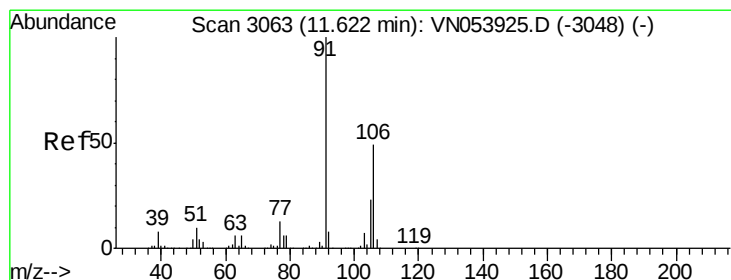
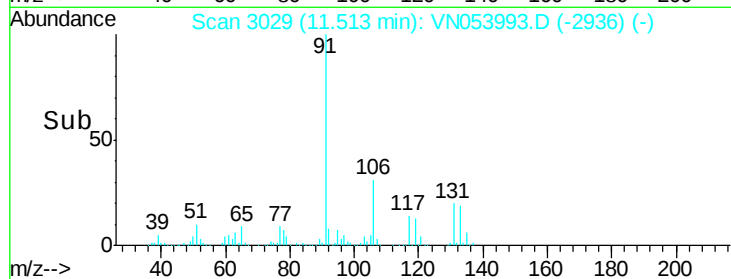
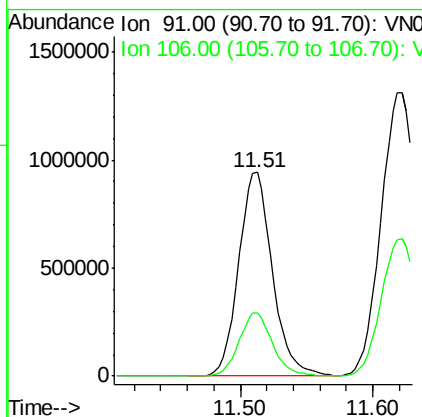
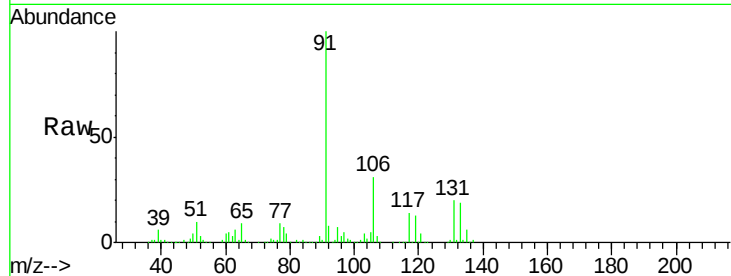
#67
Ethyl Benzene
Concen: 51.129 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1666663
Ion Ratio Lower Upper
91 100
106 31.0 25.2 37.8

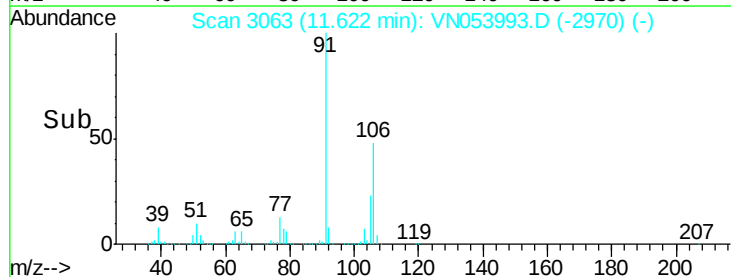
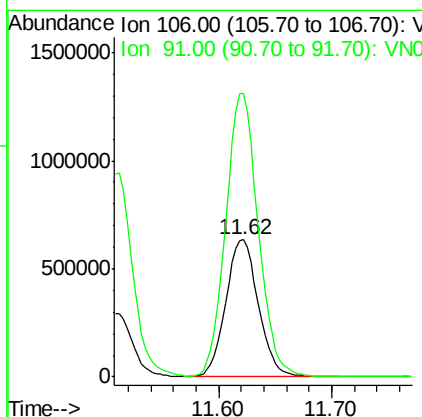
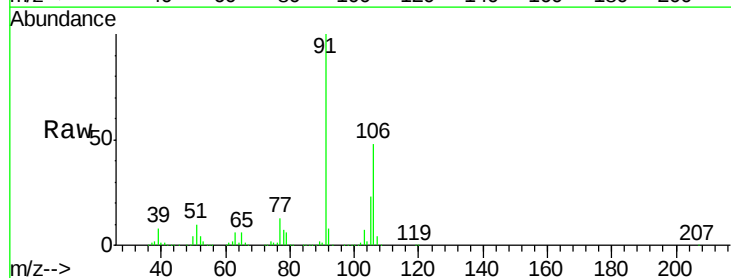
Manual Integrations
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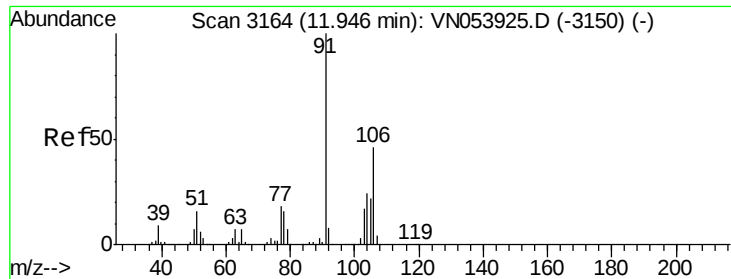
MMDadoda
3/1/2019 4:10:05 PM



#68
m/p-Xylenes
Concen: 103.332 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion: 106 Resp: 1271299
Ion Ratio Lower Upper
106 100
91 206.1 158.9 238.3





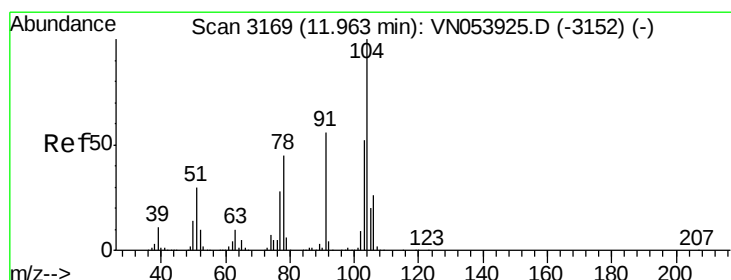
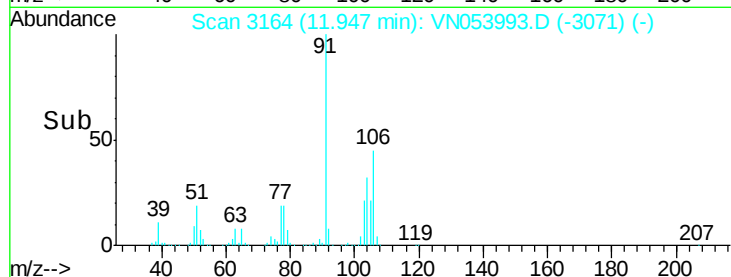
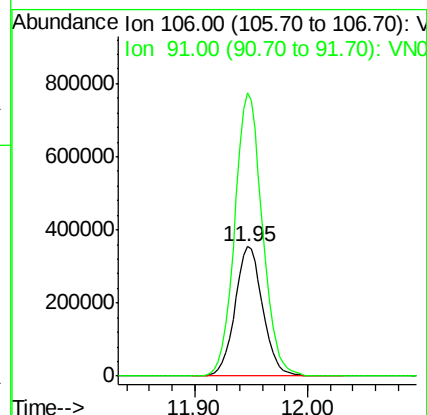
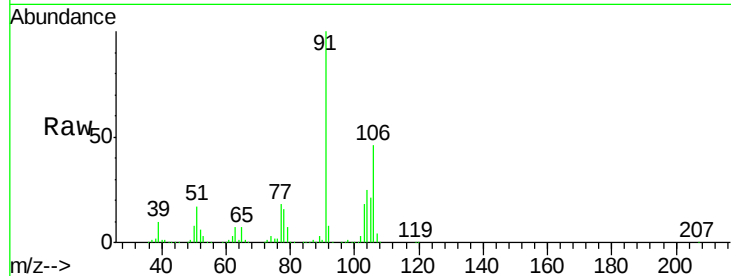
#69
o-Xylene
Concen: 49.938 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	603686		
91	91	217.7	106.0	318.0	

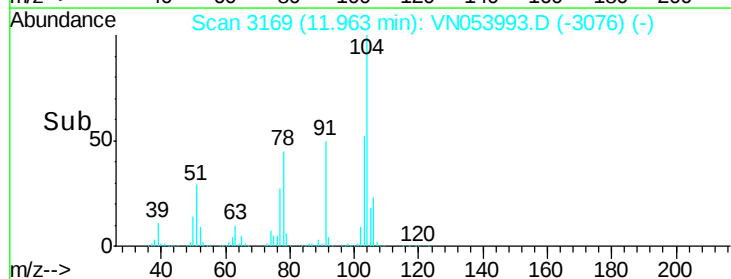
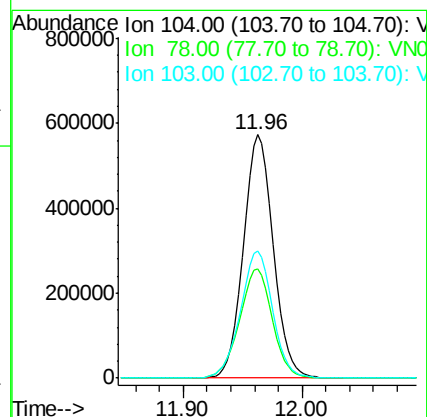
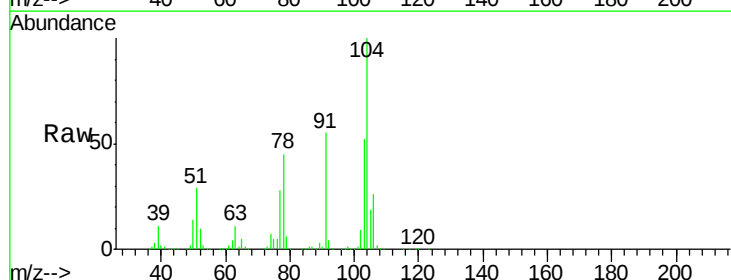
Manual Integrations
APPROVED

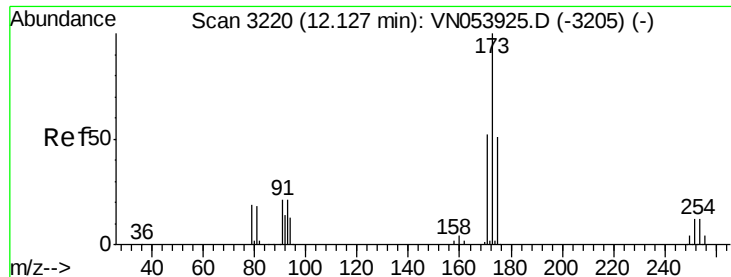
MMDadoda
3/1/2019 4:10:05 PM



#70
Styrene
Concen: 53.632 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	997215		
78	78	49.2	38.1	57.1	
103	103	56.1	44.6	67.0	





#71

Bromoform

Concen: 52.149 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

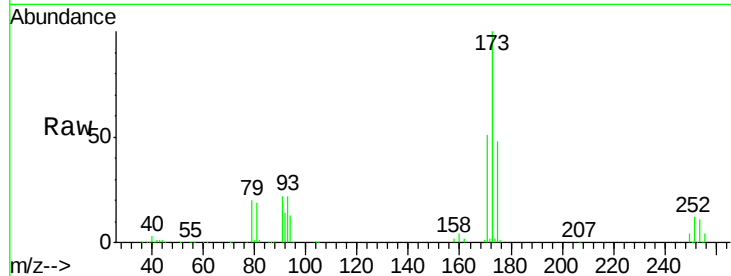
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.8
254	0.1	0.2	0.2

Manual Integrations
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3/1/2019 4:10:05 PM

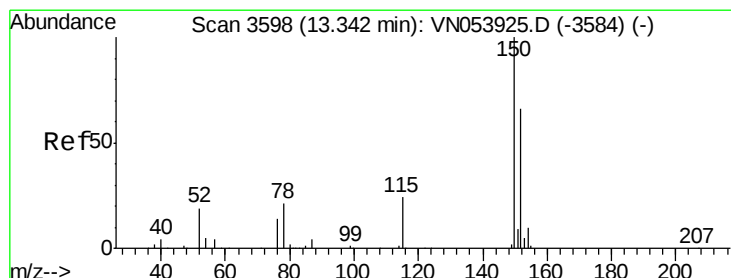
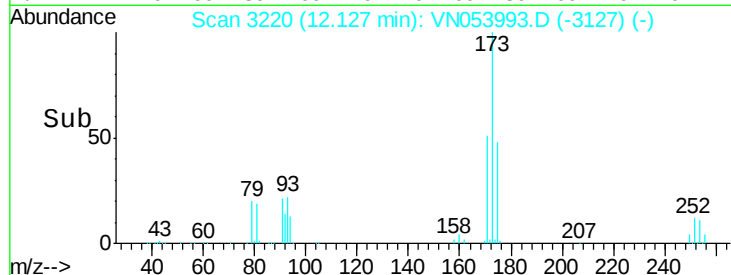
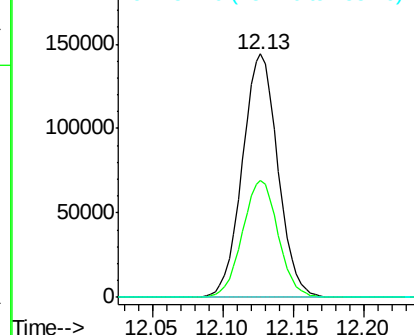


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

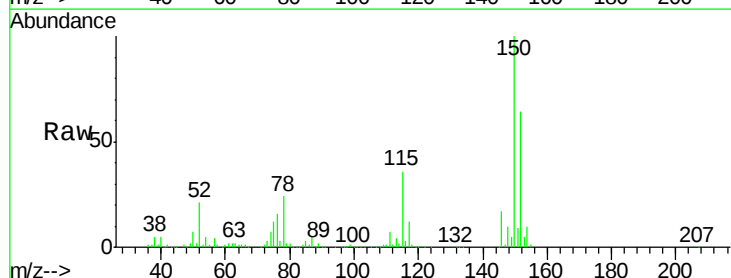
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	27.2	81.6
150	173.0	0.0	348.2

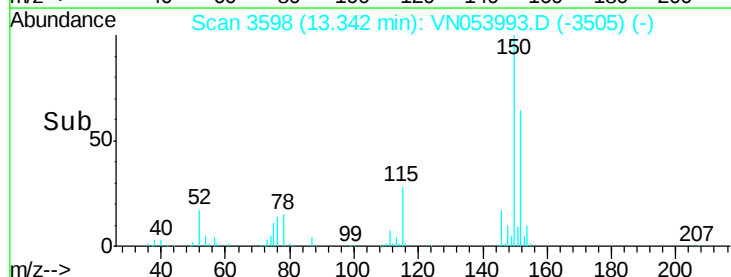
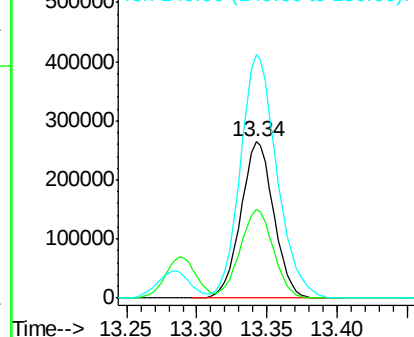


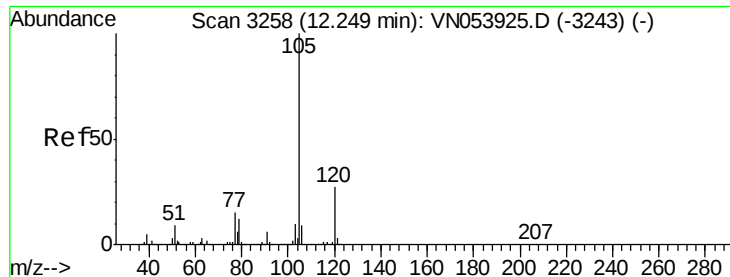
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.219 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 105 Resp: 1618547

Ion Ratio Lower Upper

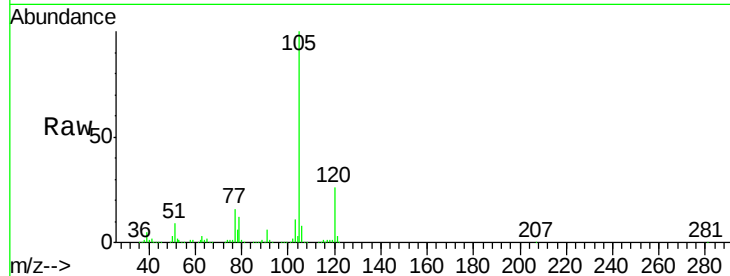
105 100

120 26.1 13.5 40.5

Manual Integrations
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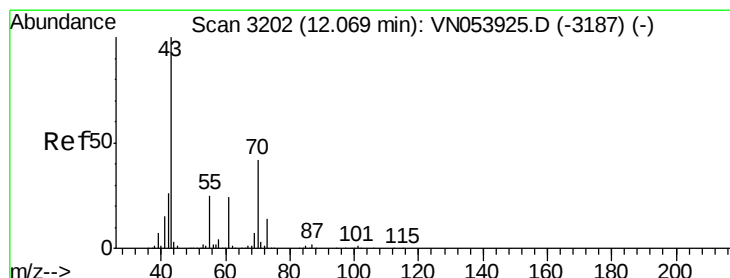
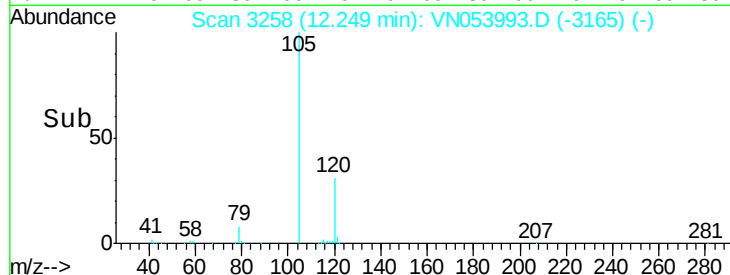
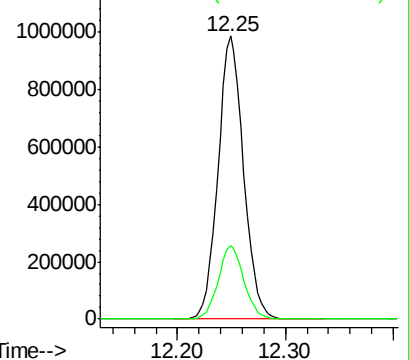
MMDadoda

3/1/2019 4:10:05 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.139 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Tgt Ion: 43 Resp: 458706

Ion Ratio Lower Upper

43 100

70 40.7 37.4 56.2

55 25.2 21.4 32.0

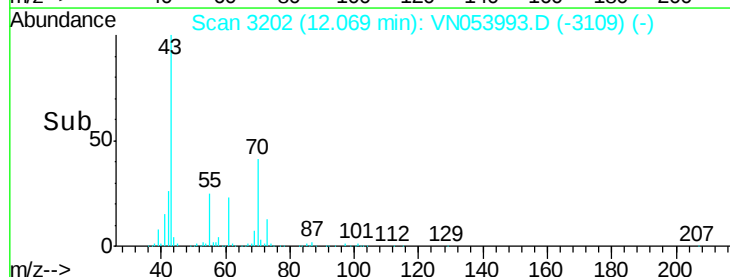
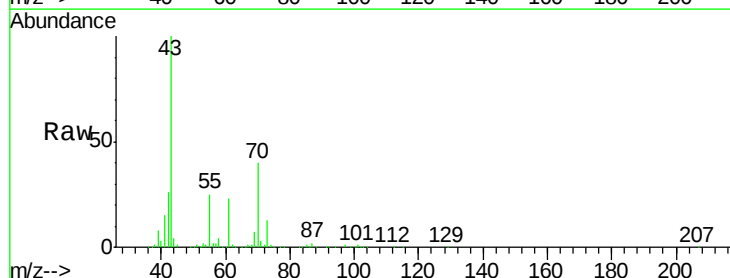
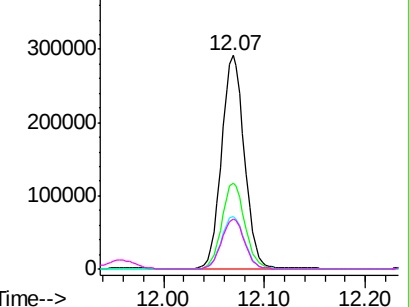
61 23.7 20.9 31.3

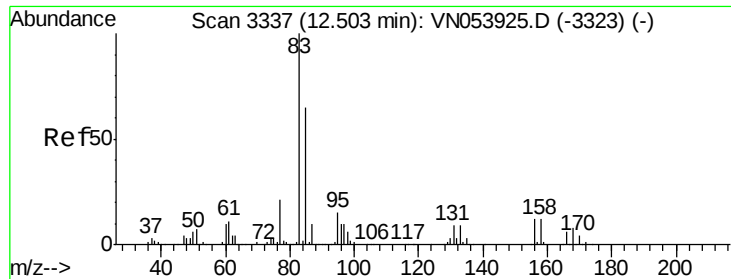
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.614 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

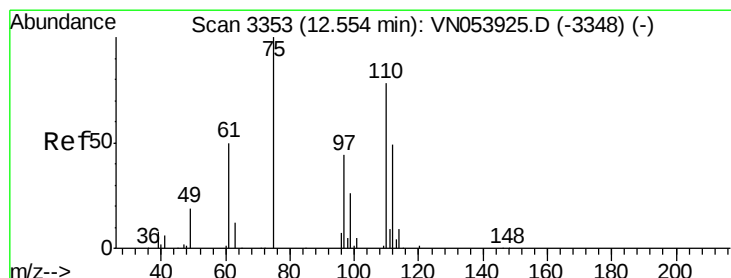
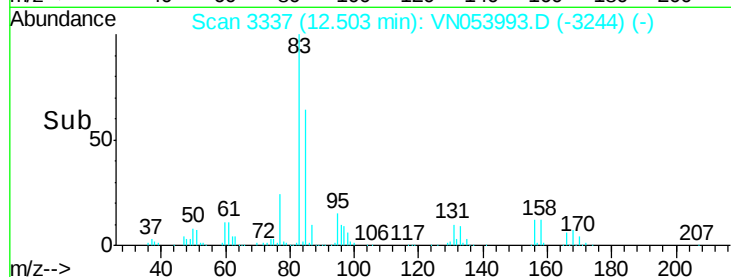
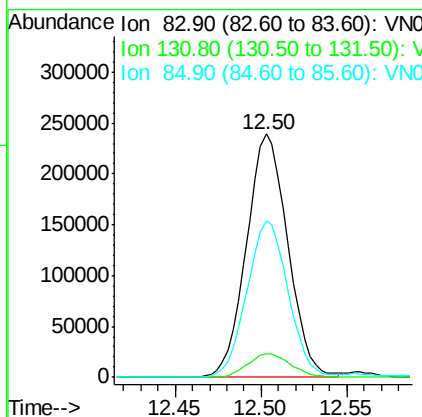
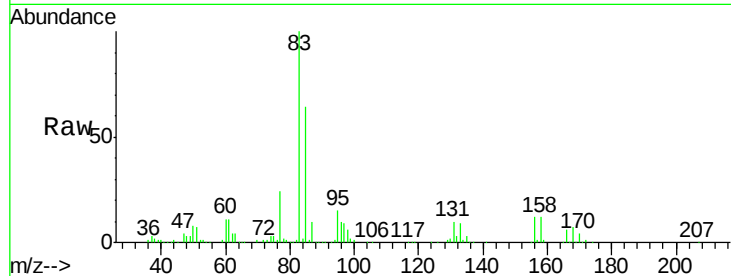
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	399669
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	16.1
85	64.1	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
3/1/2019 4:10:05 PM



#76

1,2,3-Trichloropropane

Concen: 48.022 ug/l m

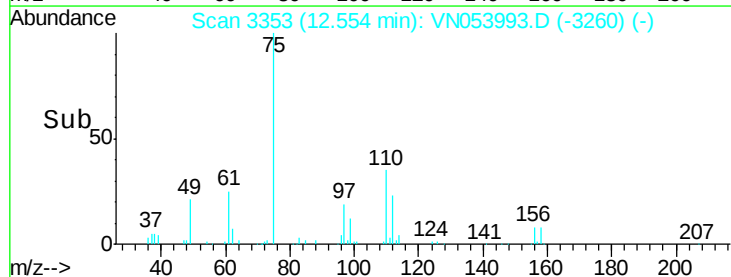
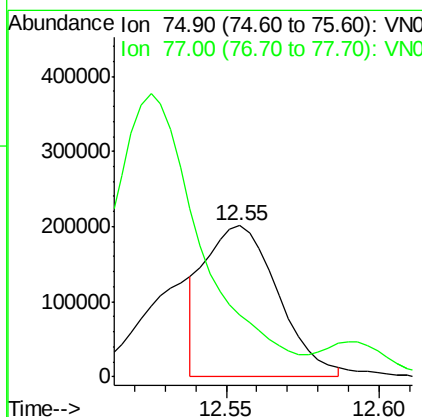
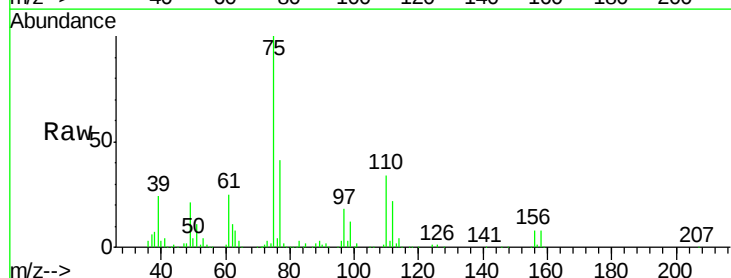
RT: 12.55 min Scan# 3353

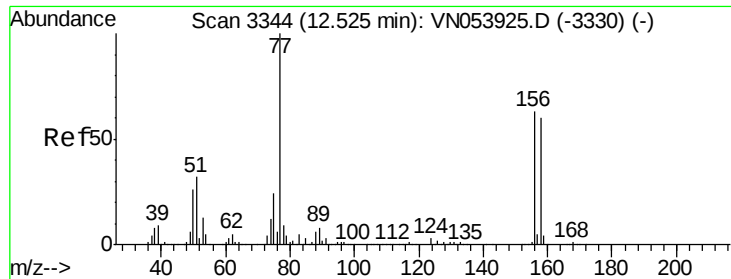
Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Tgt Ion:	75	Resp:	332187
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.158 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

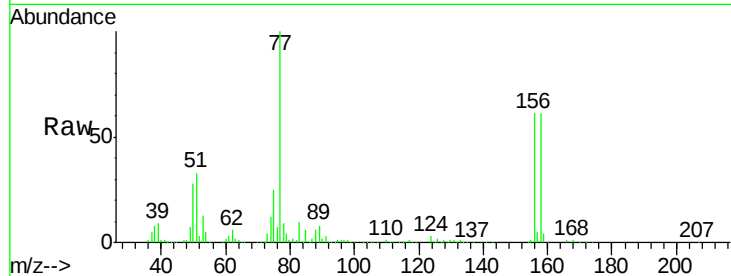
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.5	84.0	252.2
158	98.4	48.5	145.6

Manual Integrations
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3/1/2019 4:10:05 PM

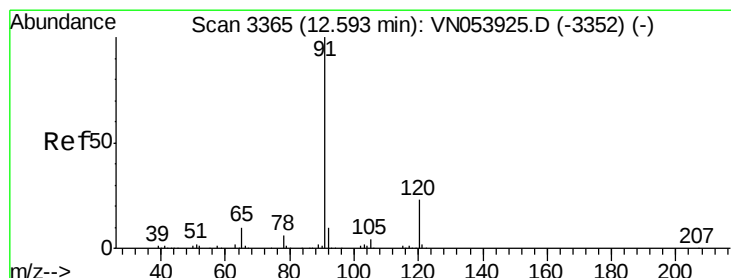
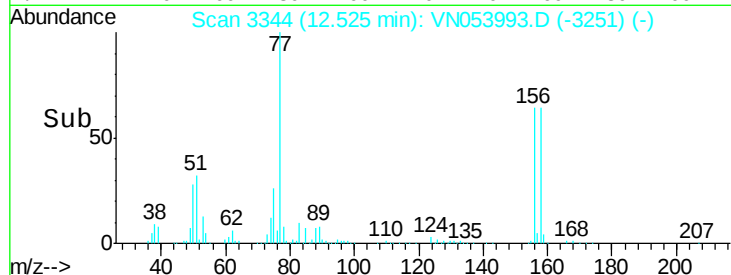
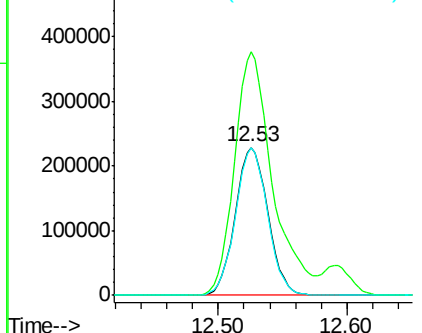


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.925 ug/l

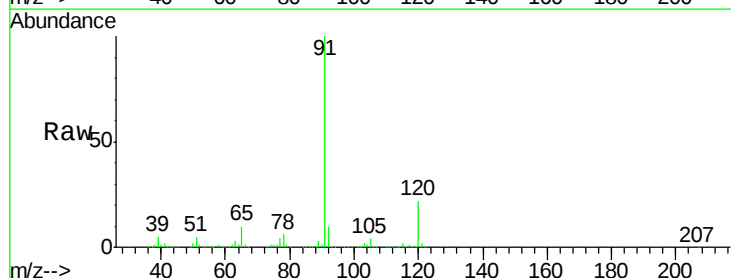
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

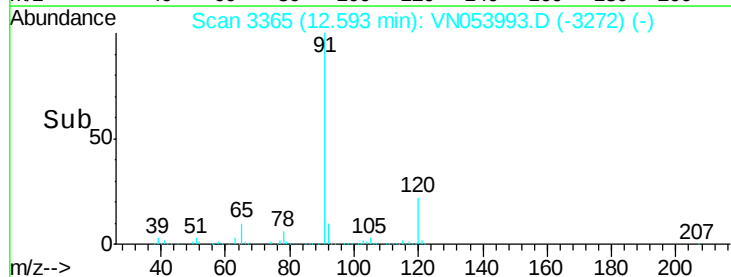
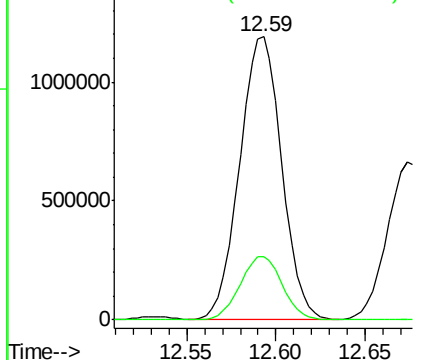
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.9	35.9

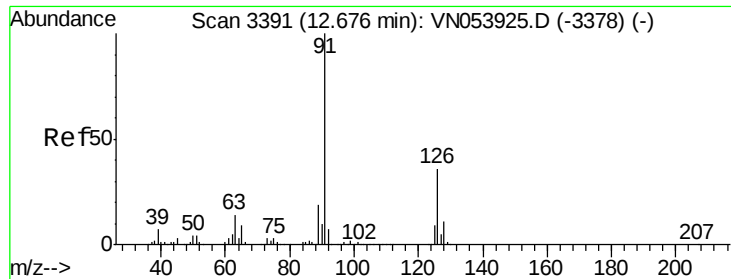


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.724 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1117351

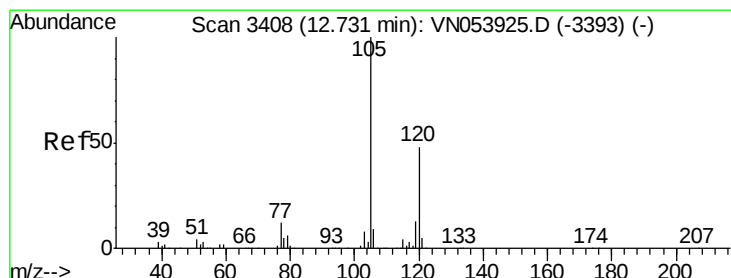
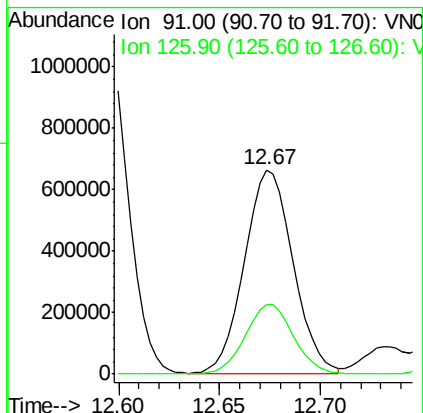
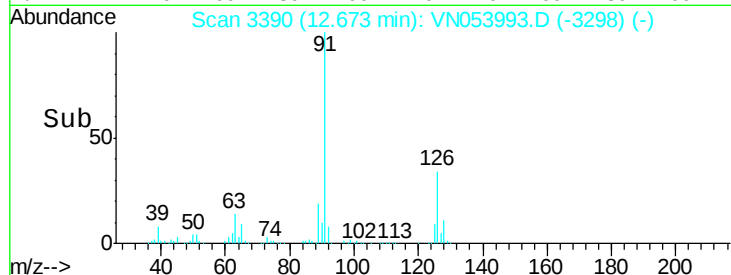
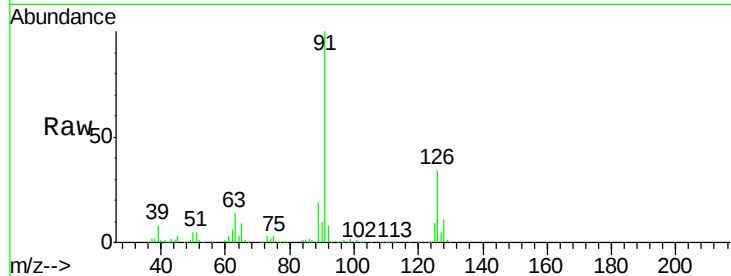
Ion Ratio Lower Upper

91 100

126 34.3 18.1 54.4

Manual Integrations
APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 50.530 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053993.D

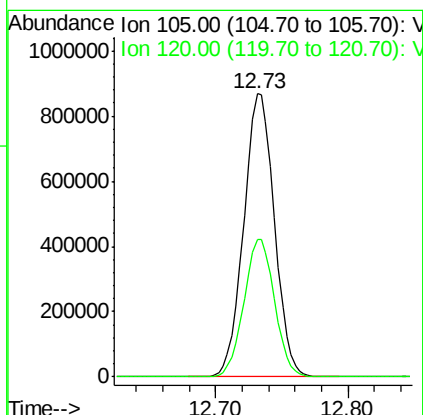
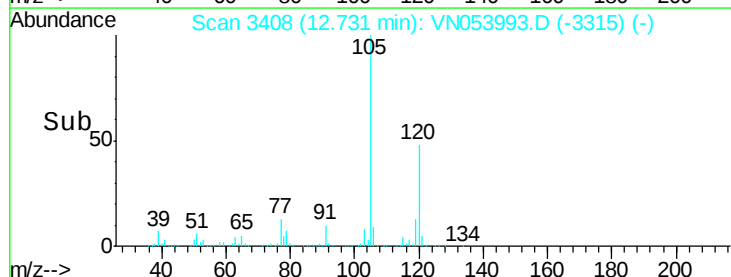
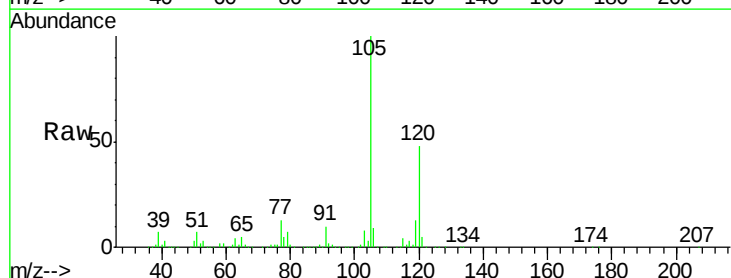
Acq: 28 Feb 2019 9:38

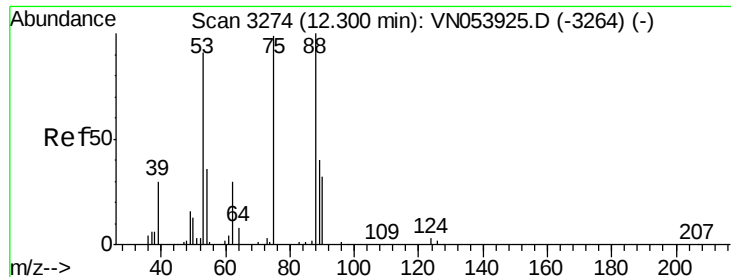
Tgt Ion: 105 Resp: 1388577

Ion Ratio Lower Upper

105 100

120 48.6 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 50.902 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

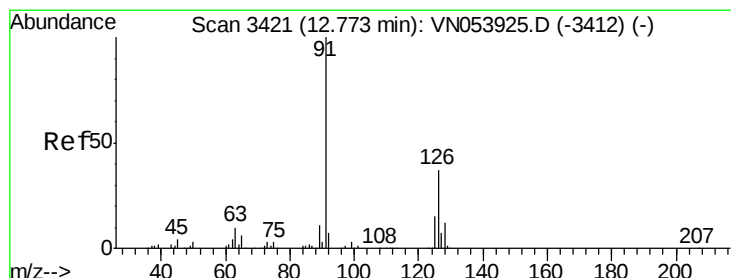
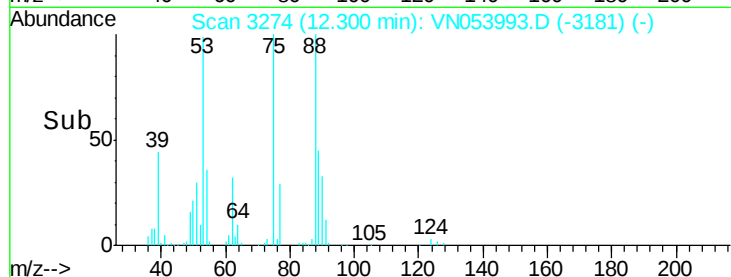
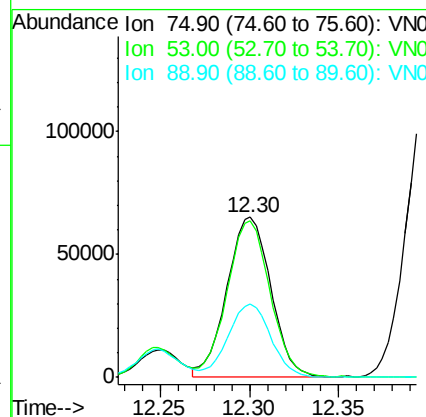
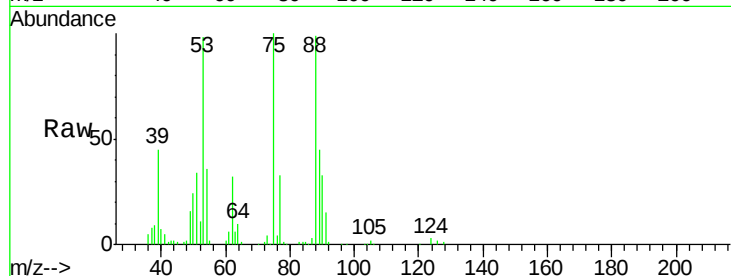
ClientSampled :

VSTDCCC050

Tot Ion:	75	Resp:	111404
Ion Ratio	Lower	Upper	
75	100		
53	95.1	68.6	102.8
89	44.7	35.3	52.9

Manual Integrations
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3/1/2019 4:10:05 PM



#82

4-Chlorotoluene

Concen: 50.029 ug/l

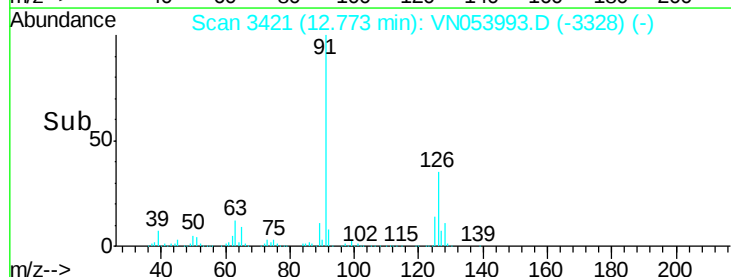
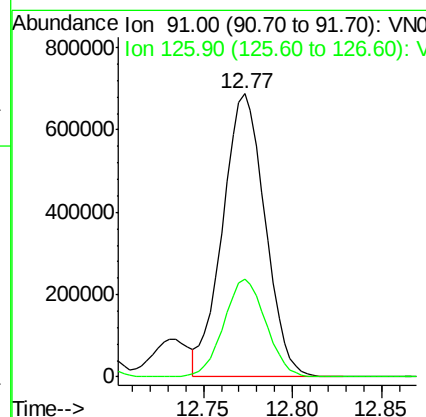
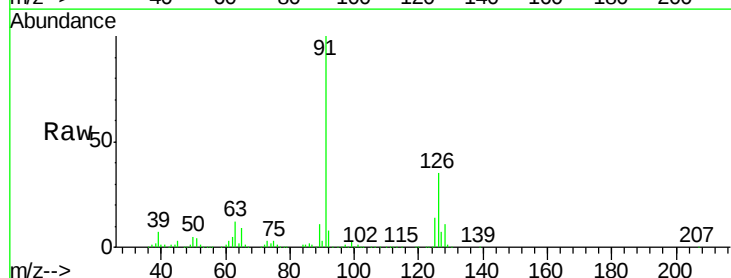
RT: 12.77 min Scan# 3421

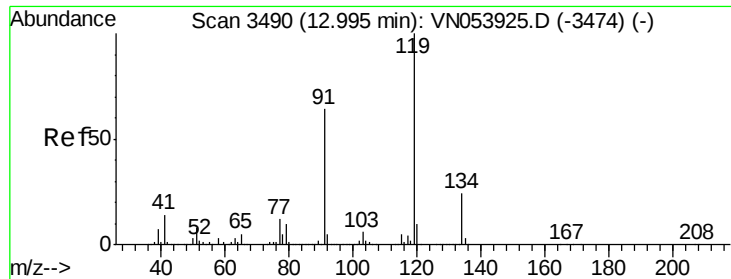
Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Tgt Ion:	91	Resp:	1133893
Ion Ratio	Lower	Upper	
91	100		
126	34.1	18.0	54.0





#83

tert-Butylbenzene

Concen: 49.107 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1193514

Ion Ratio Lower Upper

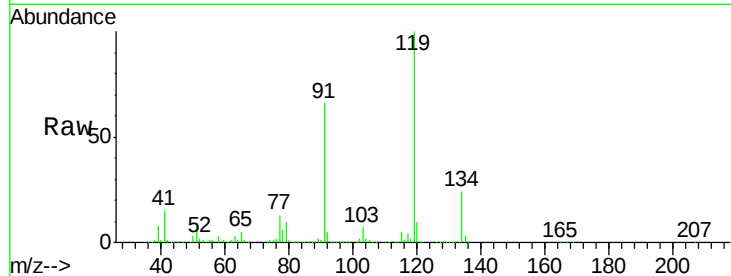
119 100

91 64.3 30.6 91.8

134 25.5 13.0 39.0

Manual Integrations
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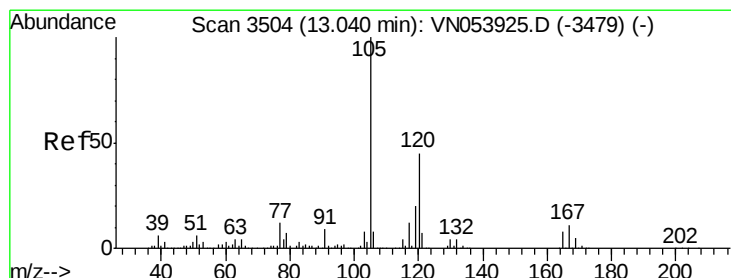
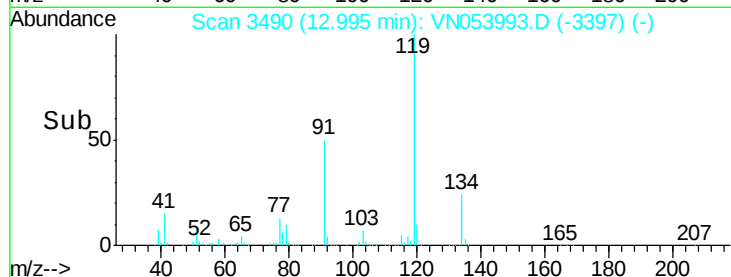
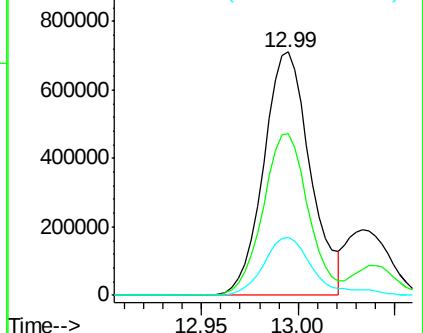
MMDadoda
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.026 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053993.D

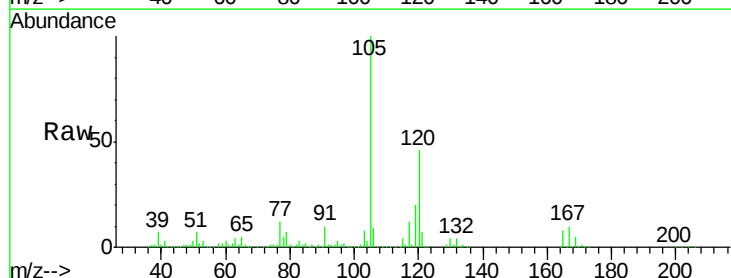
Acq: 28 Feb 2019 9:38

Tgt Ion:105 Resp: 1399873

Ion Ratio Lower Upper

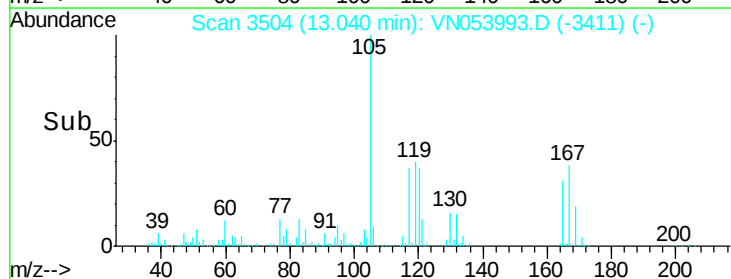
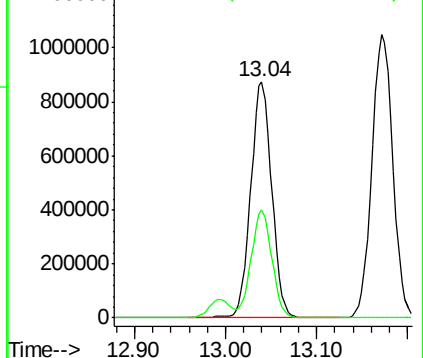
105 100

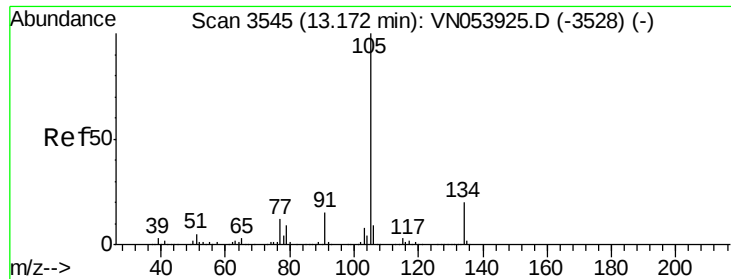
120 45.2 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





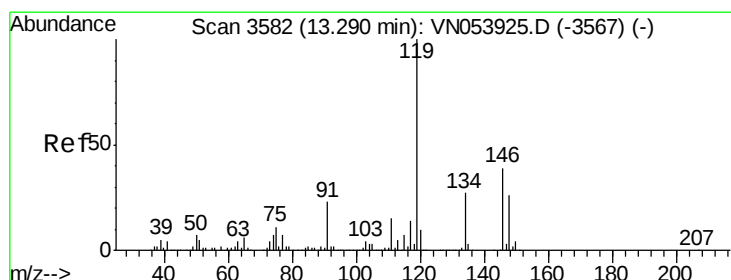
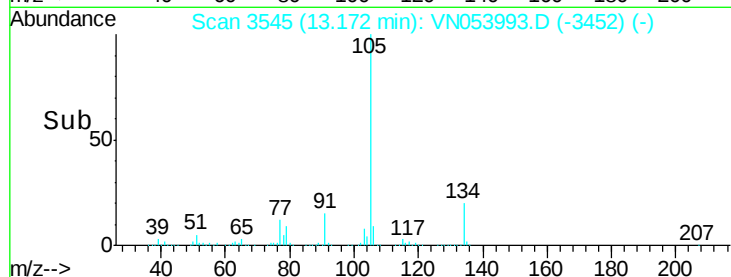
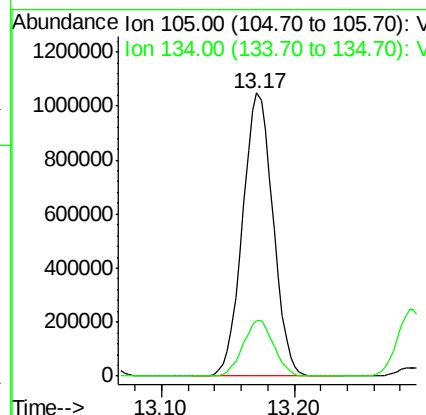
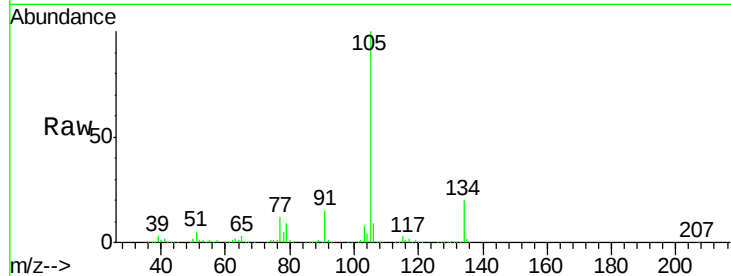
#85
 sec-Butylbenzene
 Concen: 50.249 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1668038
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.4 31.1

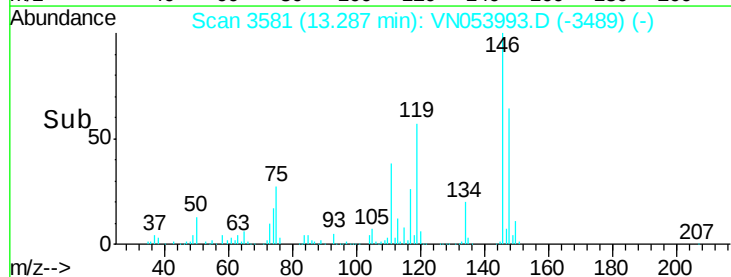
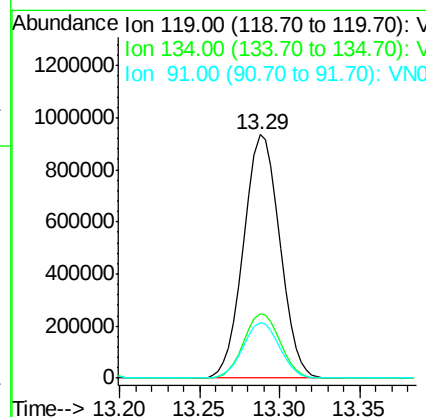
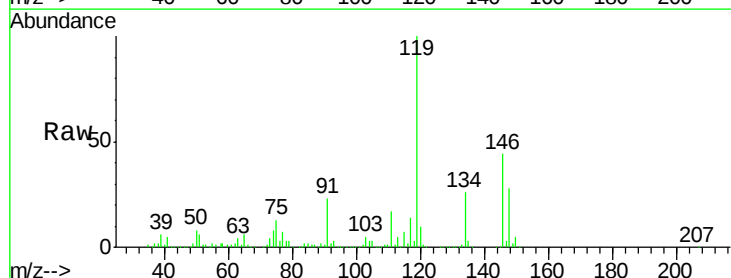
Manual Integrations
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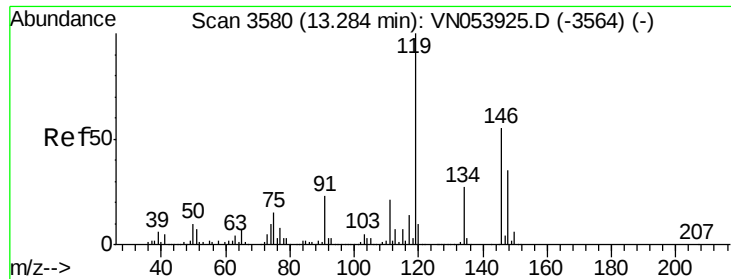
MMDadoda
 3/1/2019 4:10:05 PM



#86
 p-Isopropyltoluene
 Concen: 51.291 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion:119 Resp: 1439386
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.5 40.4
 91 22.9 10.9 32.6





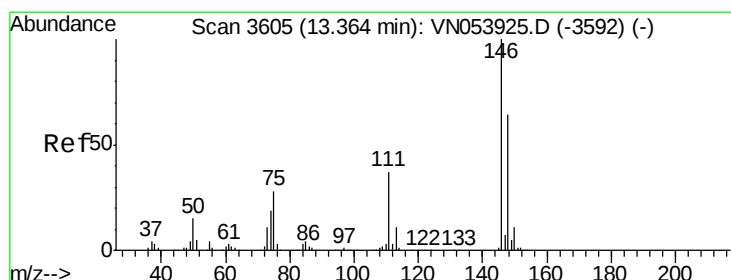
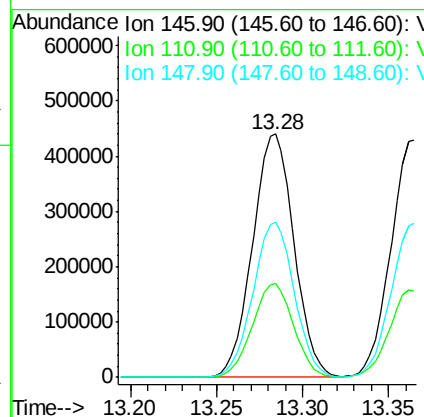
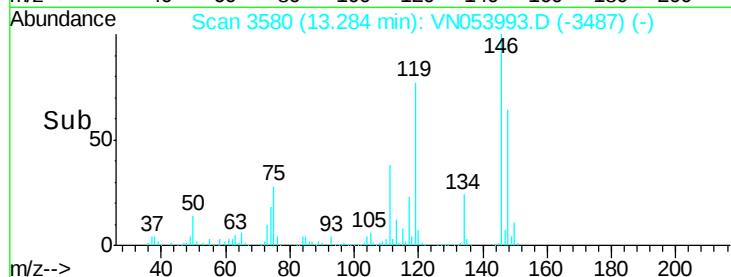
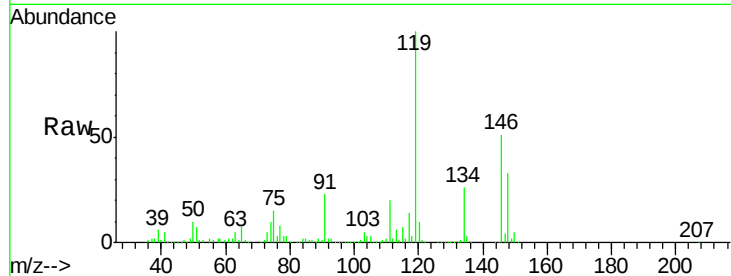
#87
 1,3-Dichlorobenzene
 Concen: 49.923 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	736010		
111	38.3	18.7	56.1	
148	63.4	32.0	96.2	

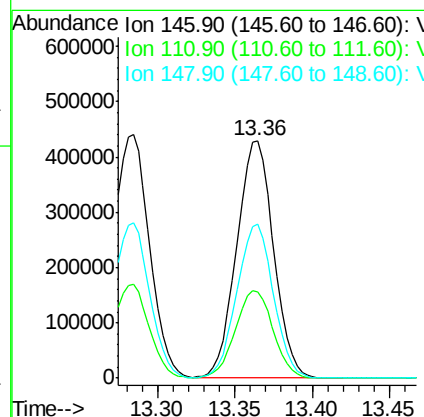
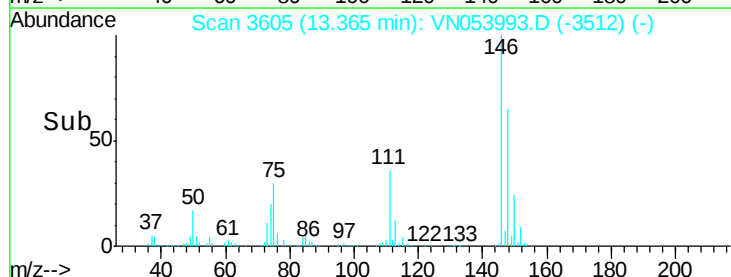
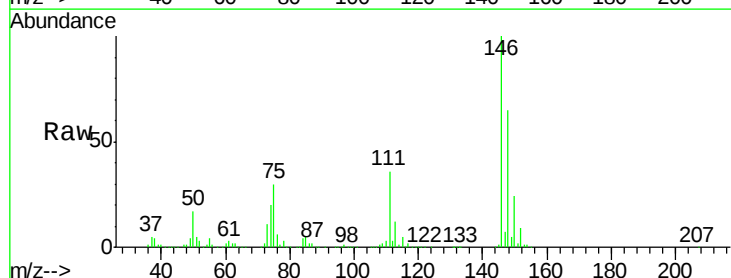
Manual Integrations
 APPROVED

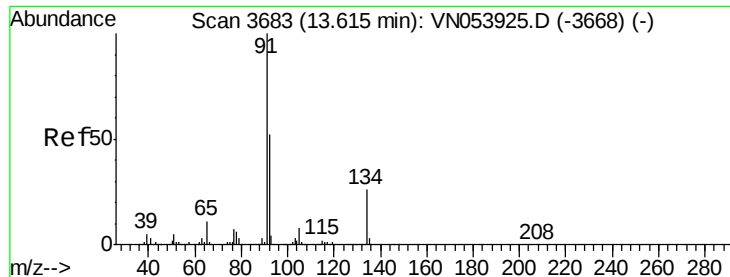
MMDadoda
 3/1/2019 4:10:05 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.636 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	709957		
111	37.8	18.0	54.0	
148	64.4	32.1	96.5	





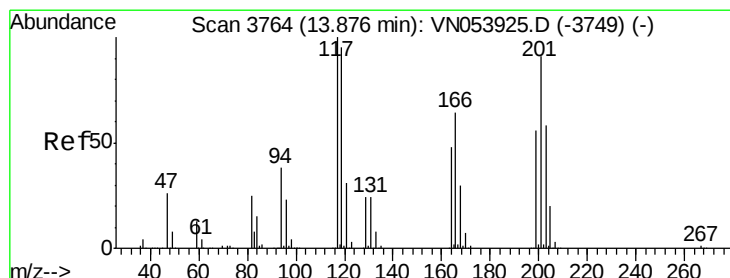
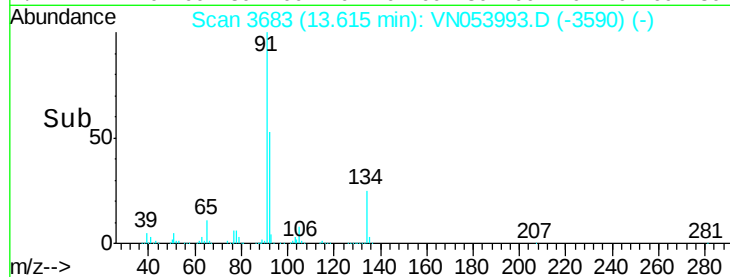
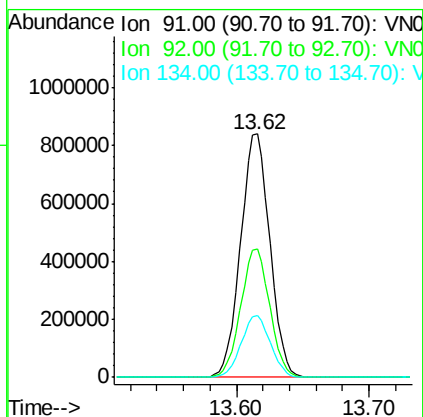
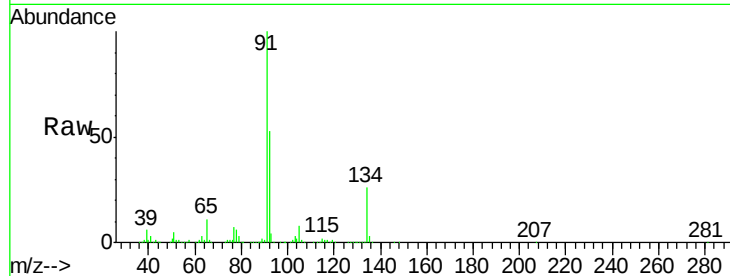
#89
n-Butylbenzene
Concen: 54.355 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1285518
Ion Ratio Lower Upper
91 100
92 52.3 26.1 78.2
134 25.4 13.6 40.8

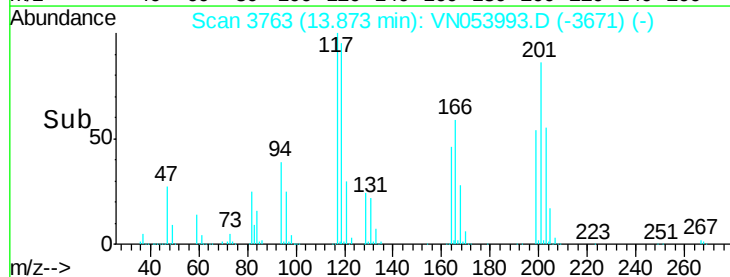
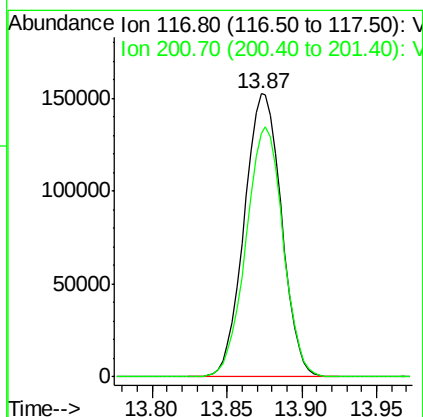
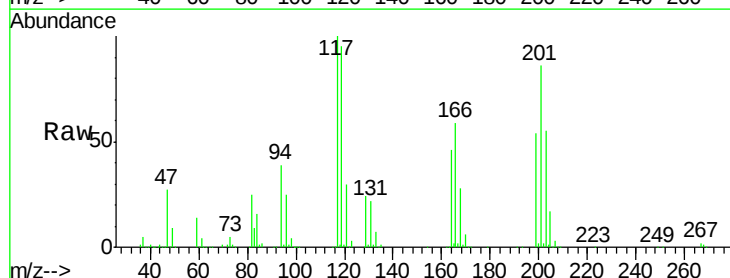
Manual Integrations
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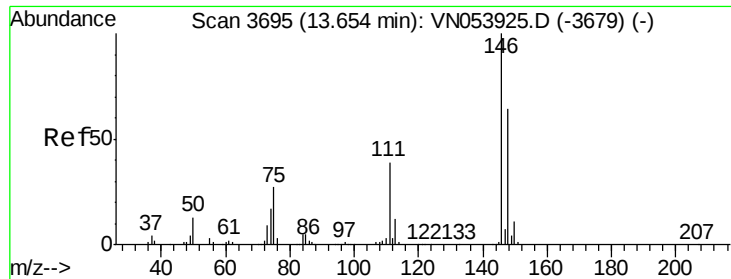
MMDadoda
3/1/2019 4:10:05 PM



#90
Hexachloroethane
Concen: 48.609 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion: 117 Resp: 264340
Ion Ratio Lower Upper
117 100
201 87.8 48.0 144.2





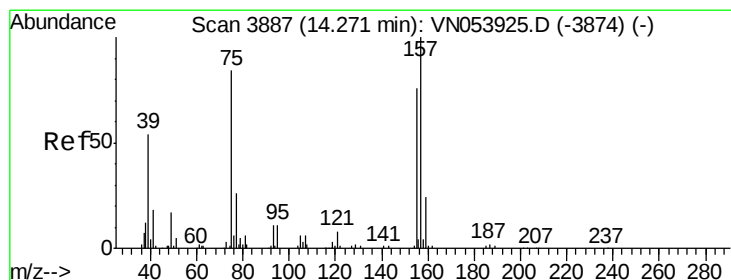
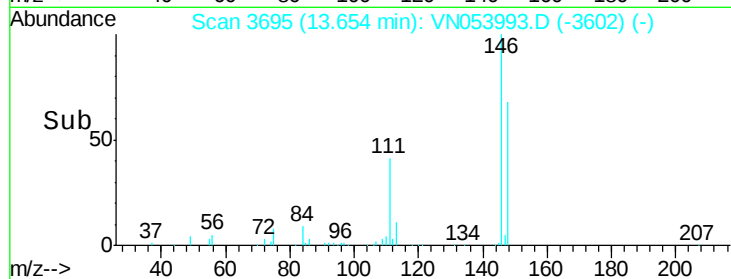
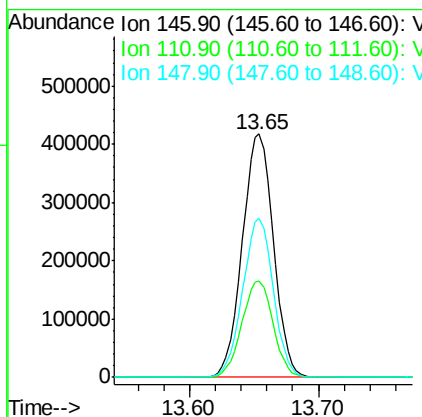
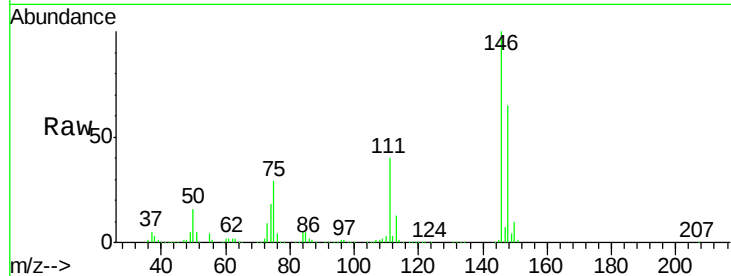
#91
 1,2-Dichlorobenzene
 Concen: 49.153 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.1	57.5
148	64.4	32.1	96.5

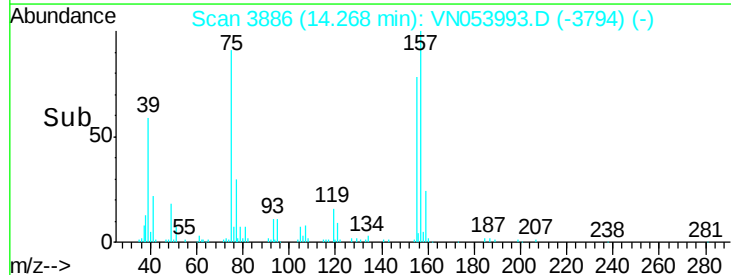
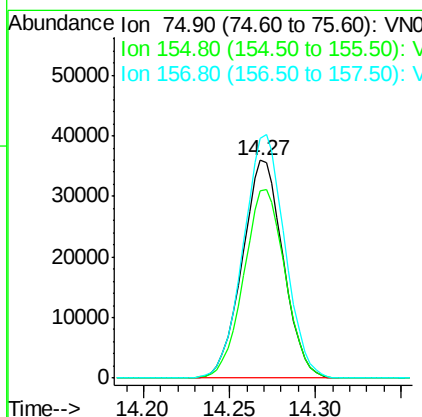
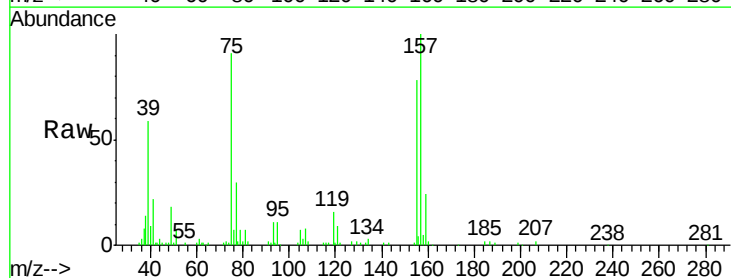
Manual Integrations
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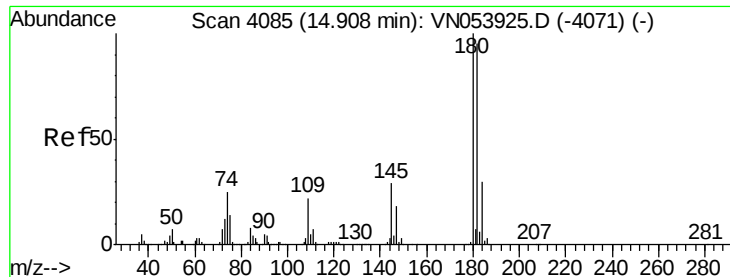
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.103 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	49.5	148.5
157	113.2	64.8	194.6





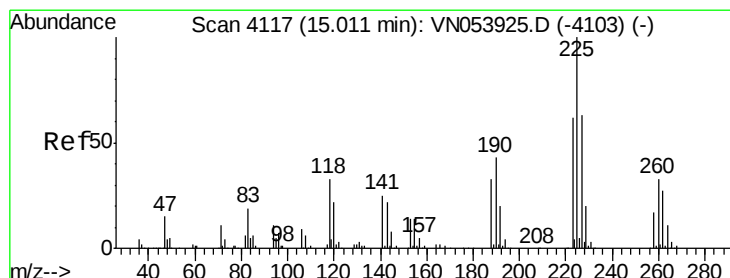
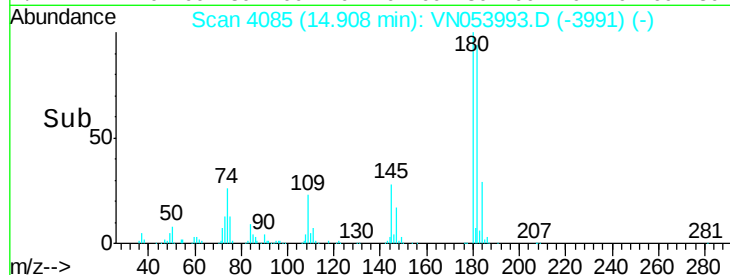
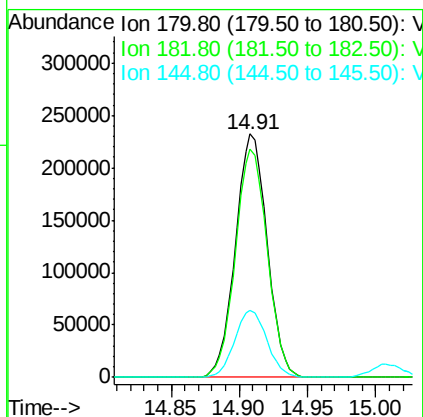
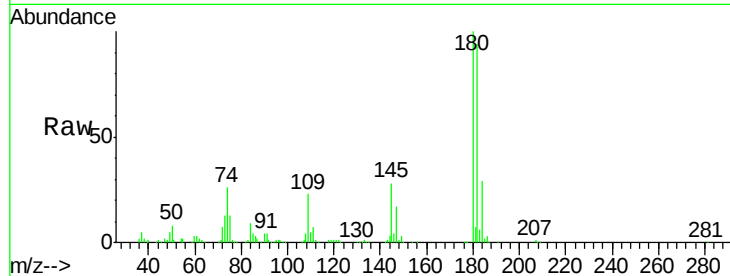
#93
 1,2,4-Trichlorobenzene
 Concen: 47.324 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	374100		
182	94.6	48.6	145.9	
145	28.0	13.8	41.3	

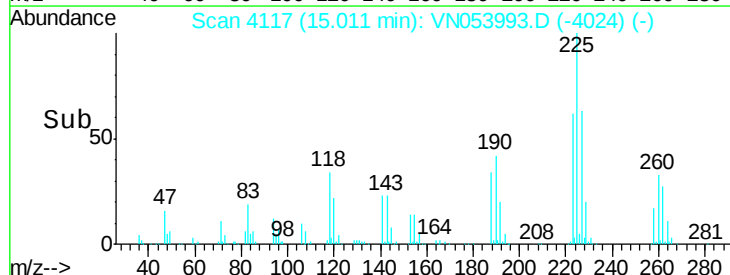
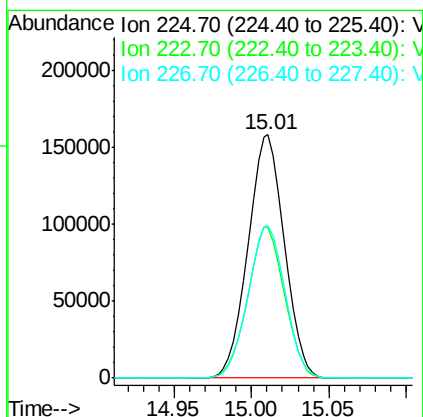
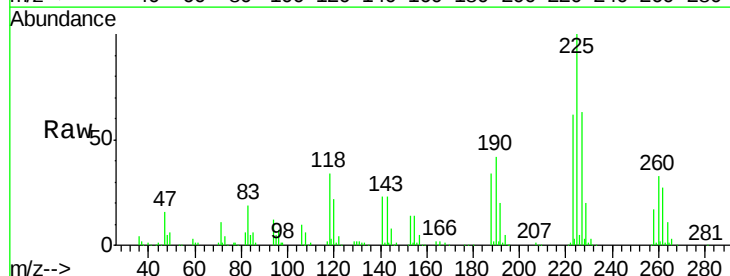
Manual Integrations
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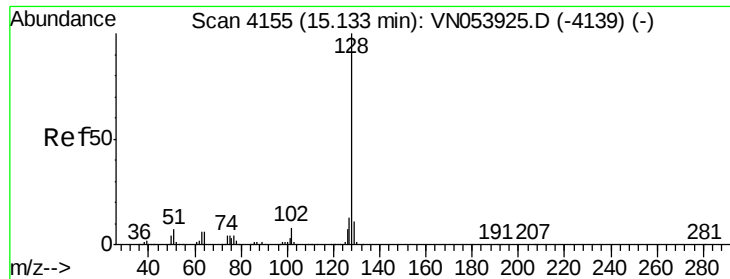
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#94
 Hexachlorobutadiene
 Concen: 50.174 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	258654		
223	62.4	30.9	92.5	
227	63.9	32.5	97.4	





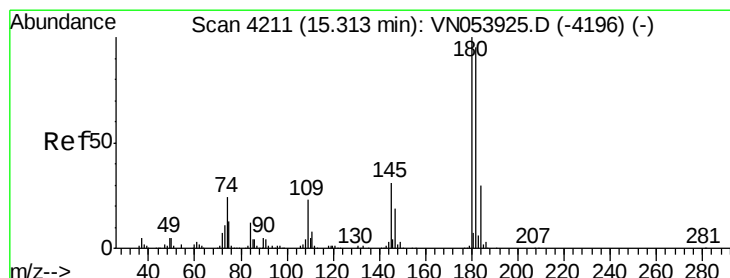
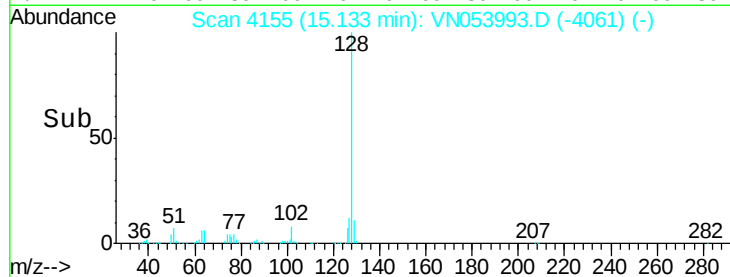
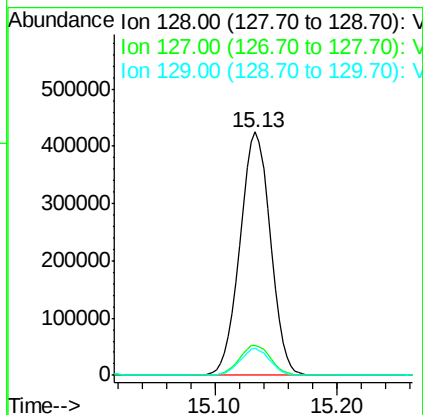
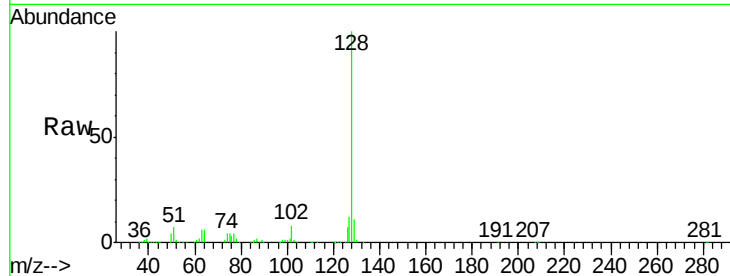
#95
Naphthalene
Concen: 43.239 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 47.465 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	141.8
145	30.2	14.4	43.0

