

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
 Data File : VN051659.D
 Acq On : 4 Oct 2018 11:40
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:53:09 PM

Quant Time: Oct 05 02:08:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 01:55:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	616919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	958139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	925727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	531162	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	399084	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
35) Dibromofluoromethane	7.59	113	353586	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
50) Toluene-d8	10.09	98	1358923	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.40	95	492300	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	382230	52.210	ug/l	100
3) Chloromethane	2.06	50	364613	51.789	ug/l	100
4) Vinyl Chloride	2.18	62	578228	52.138	ug/l	100
5) Bromomethane	2.56	94	411819	48.286	ug/l	100
6) Chloroethane	2.70	64	374231	50.207	ug/l	100
7) Trichlorofluoromethane	3.01	101	572811	45.303	ug/l	100
8) Diethyl Ether	3.41	74	158571	49.066	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	305861	49.620	ug/l	100
10) Methyl Iodide	3.95	142	405702	53.993	ug/l	100
11) Tert butyl alcohol	4.79	59	130593	254.450	ug/l	100
12) 1,1-Dichloroethene	3.74	96	282079	49.099	ug/l	100
13) Acrolein	3.61	56	93943	271.488	ug/l	100
14) Allyl chloride	4.32	41	442532	50.503	ug/l	100
15) Acrylonitrile	4.99	53	468023	244.873	ug/l	100
16) Acetone	3.82	43	357982	240.006	ug/l	100
17) Carbon Disulfide	4.05	76	853646	48.882	ug/l	100
18) Methyl Acetate	4.33	43	224707	49.954	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	925866	48.823	ug/l	100
20) Methylene Chloride	4.55	84	328948	49.059	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	332067	48.776	ug/l	100
22) Diisopropyl ether	5.95	45	943264	50.218	ug/l	100
23) Vinyl Acetate	5.90	43	3457992	250.378	ug/l	100
24) 1,1-Dichloroethane	5.85	63	598538	49.547	ug/l	100
25) 2-Butanone	6.84	43	578845	245.966	ug/l	100
26) 2,2-Dichloropropane	6.83	77	610855	50.460	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	386931	48.958	ug/l	100
28) Bromochloromethane	7.20	49	269463	50.385	ug/l	100
29) Tetrahydrofuran	7.21	42	370079	256.256	ug/l	100
30) Chloroform	7.37	83	683958	50.392	ug/l	100
31) Cyclohexane	7.65	56	548788	49.604	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	655548	49.829	ug/l	100
36) 1,1-Dichloropropene	7.80	75	500371	49.962	ug/l	100
37) Ethyl Acetate	6.93	43	257724	49.341	ug/l	100
38) Carbon Tetrachloride	7.78	117	599823	49.913	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	634945	50.507	ug/l	100
40) Benzene	8.04	78	1511248	50.903	ug/l	100
41) Methacrylonitrile	7.18	41	133158	46.427	ug/l	100
42) 1,2-Dichloroethane	8.13	62	509321	50.905	ug/l	100
43) Isopropyl Acetate	8.17	43	553378	50.815	ug/l	100
44) Trichloroethene	8.84	130	416652	49.425	ug/l	100
45) 1,2-Dichloropropane	9.12	63	367458	50.060	ug/l	100
46) Dibromomethane	9.21	93	251330	49.260	ug/l	100
47) Bromodichloromethane	9.40	83	566335	50.423	ug/l	100
48) Methyl methacrylate	9.20	41	247514	49.740	ug/l	100
49) 1,4-Dioxane	9.20	88	73325	982.693	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1390594	251.996	ug/l	100
52) Toluene	10.16	92	1021927	51.753	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	593870	51.242	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	617946	50.211	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	353731	50.287	ug/l	100
56) Ethyl methacrylate	10.43	69	460609	51.779	ug/l	100
57) 1,3-Dichloropropane	10.71	76	566266	50.863	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	948904	257.743	ug/l	100
59) 2-Hexanone	10.75	43	934053	249.236	ug/l	100
60) Dibromochloromethane	10.90	129	470336	51.093	ug/l	100
61) 1,2-Dibromoethane	11.01	107	381020	51.238	ug/l	100
64) Tetrachloroethene	10.63	164	401392	49.147	ug/l	100
65) Chlorobenzene	11.43	112	1138997	49.679	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	464049	50.549	ug/l	100
67) Ethyl Benzene	11.51	91	2008242	50.677	ug/l	100
68) m/p-Xylenes	11.62	106	1635056	103.119	ug/l	100
69) o-Xylene	11.95	106	794913	51.120	ug/l	100
70) Styrene	11.96	104	1275685	51.484	ug/l	100
71) Bromoform	12.13	173	347939	50.956	ug/l	100
73) Isopropylbenzene	12.25	105	2140418	47.272	ug/l	100
74) N-amyl acetate	12.07	43	472880	45.796	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	443578	45.448	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	336606m	45.183	ug/l	
77) Bromobenzene	12.53	156	517155	46.712	ug/l	100
78) n-propylbenzene	12.59	91	2366206	47.913	ug/l	100
79) 2-Chlorotoluene	12.67	91	1390363	47.769	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1844664	48.343	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	137300	47.515	ug/l	100
82) 4-Chlorotoluene	12.77	91	1440089	49.253	ug/l	100
83) tert-Butylbenzene	12.99	119	1626741	47.578	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1866676	48.840	ug/l	100
85) sec-Butylbenzene	13.17	105	2198620	48.613	ug/l	100
86) p-Isopropyltoluene	13.29	119	1963575	48.973	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	942728	48.868	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	931460	49.054	ug/l	100
89) n-Butylbenzene	13.62	91	1584112	49.970	ug/l	100
90) Hexachloroethane	13.87	117	387698	48.465	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	941338	49.085	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	76383	48.023	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	420851	49.316	ug/l	100
94) Hexachlorobutadiene	15.01	225	268394	46.355	ug/l	100
95) Naphthalene	15.13	128	870238	47.223	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	401065	47.720	ug/l	100

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

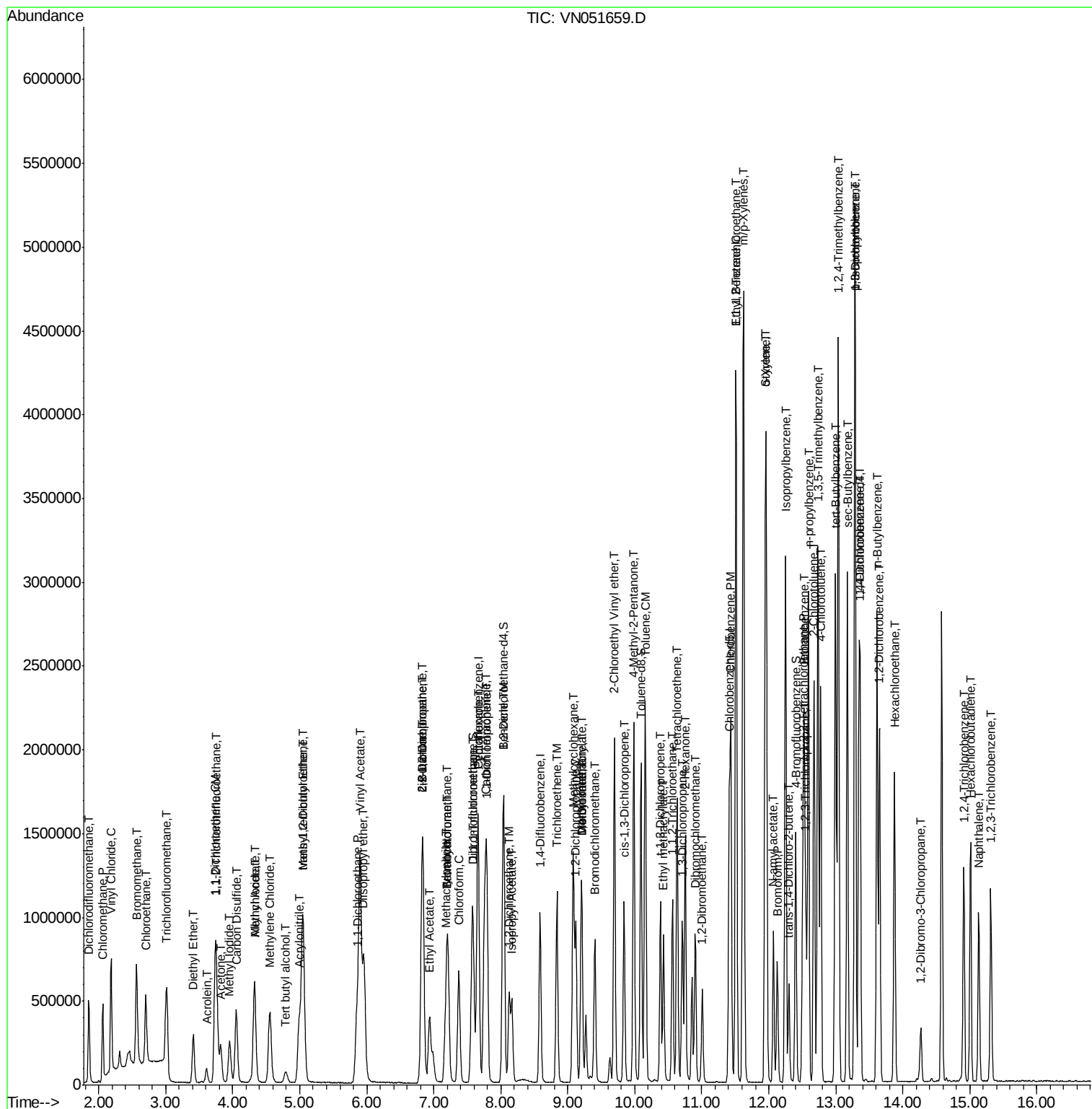
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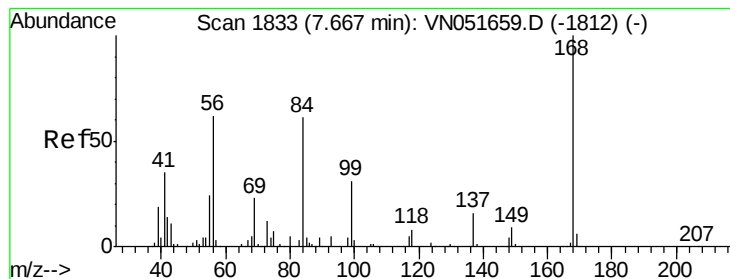
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 616919

Ion Ratio Lower Upper

168 100

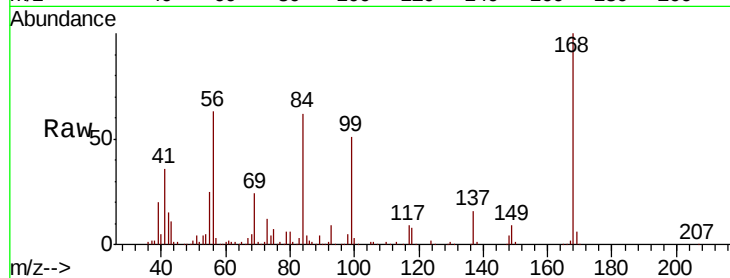
99 50.5 40.4 60.6

Manual Integrations

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10/8/2018 1:53:09 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

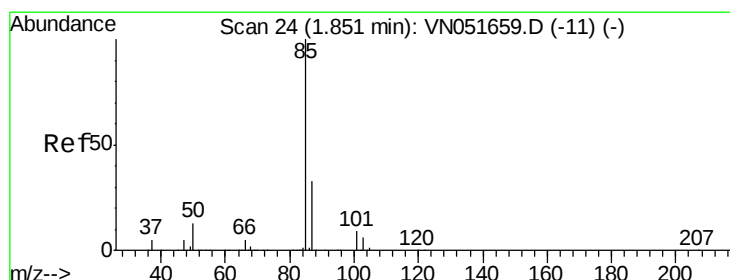
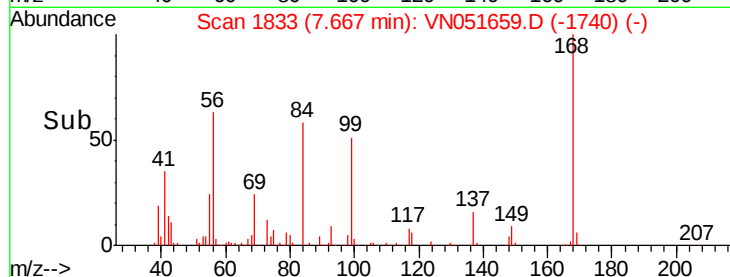
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.210 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051659.D

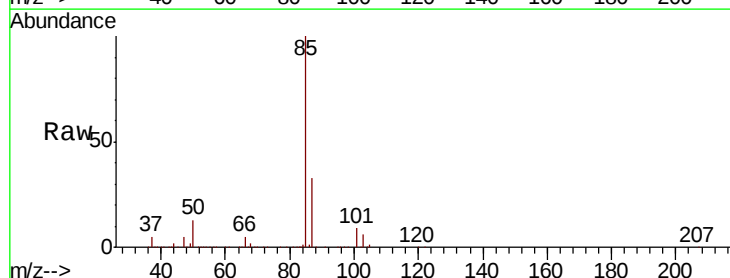
Acq: 4 Oct 2018 11:40

Tgt Ion: 85 Resp: 382230

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

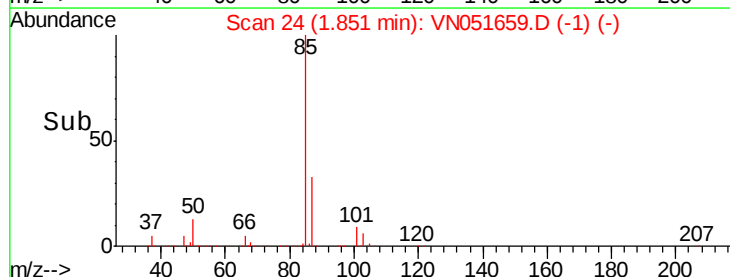
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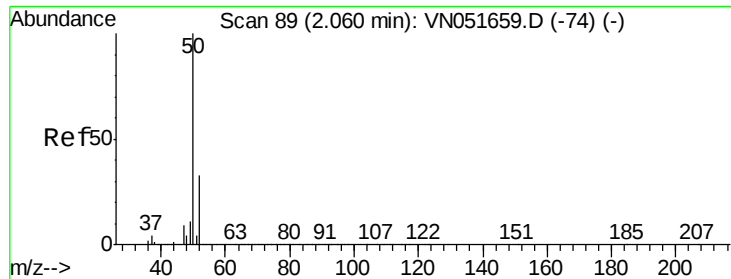
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50000

0

Time-->





#3

Chloromethane

Concen: 51.789 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 364613

Ion Ratio Lower Upper

50 100

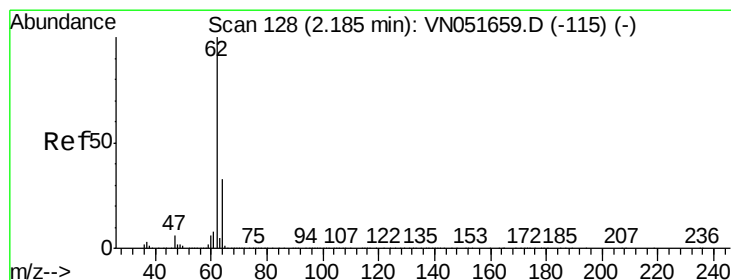
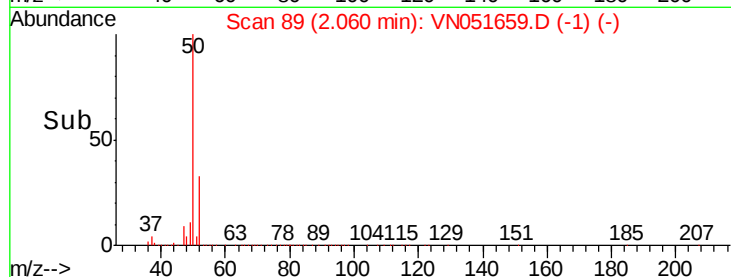
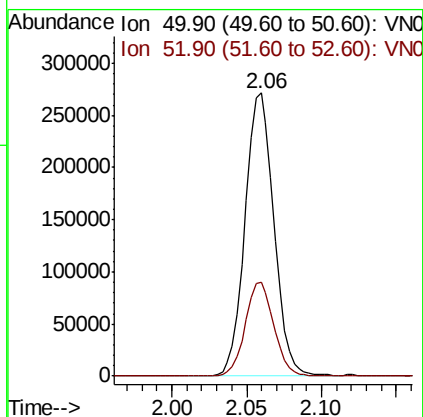
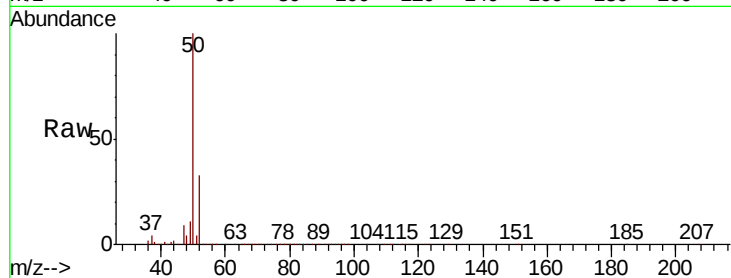
52 33.2 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.138 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051659.D

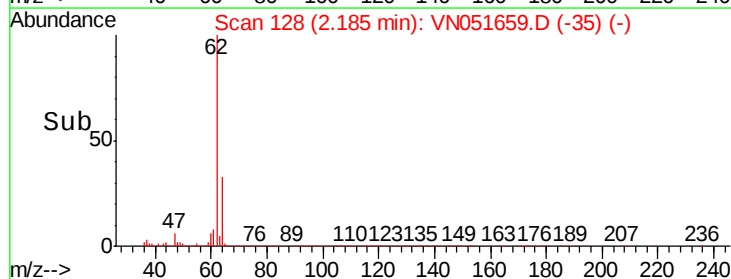
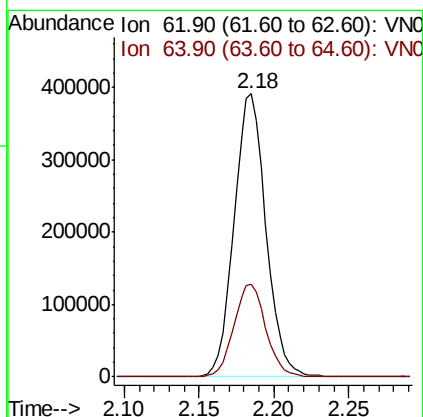
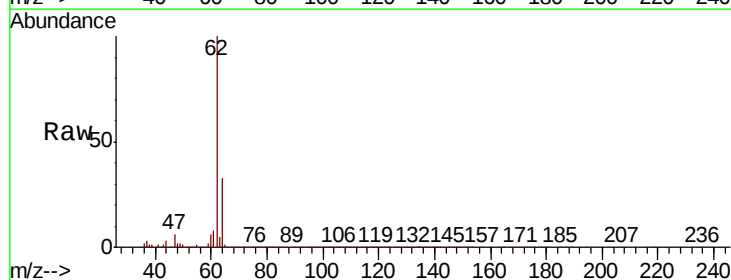
Acq: 4 Oct 2018 11:40

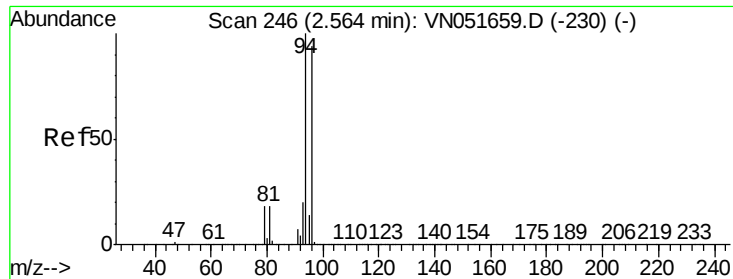
Tgt Ion: 62 Resp: 578228

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.4





#5

Bromomethane

Concen: 48.286 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 411819

Ion Ratio Lower Upper

94 100

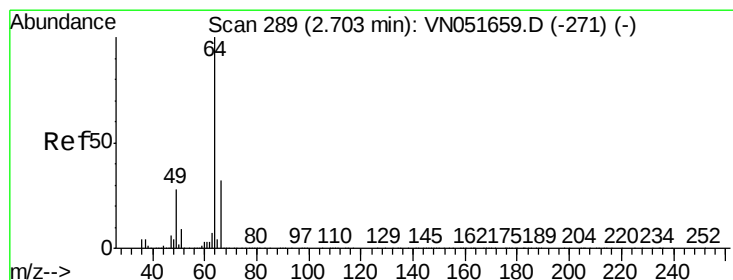
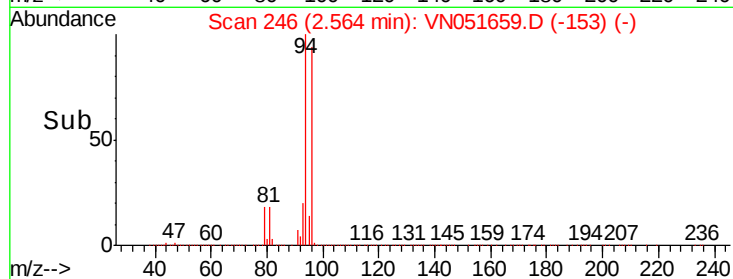
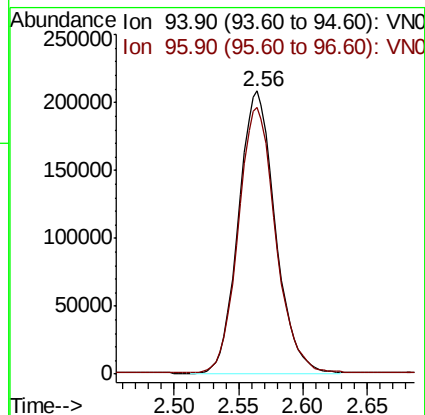
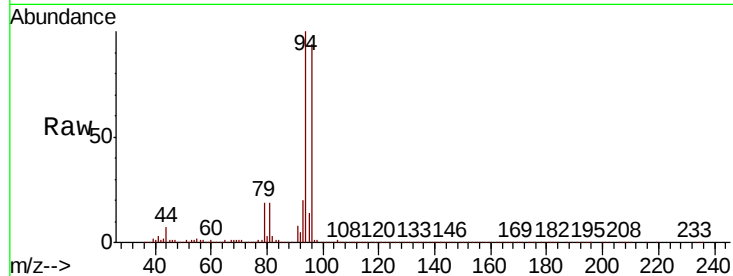
96 94.0 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 50.207 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051659.D

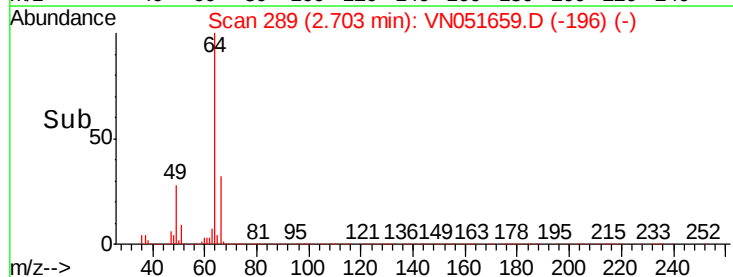
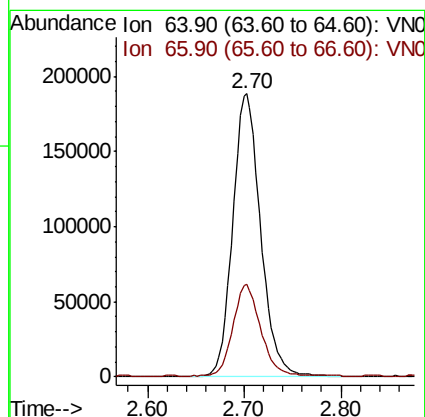
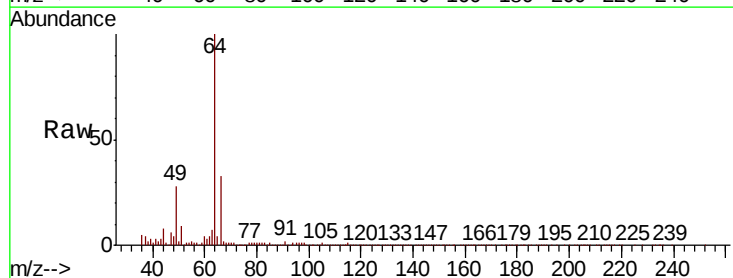
Acq: 4 Oct 2018 11:40

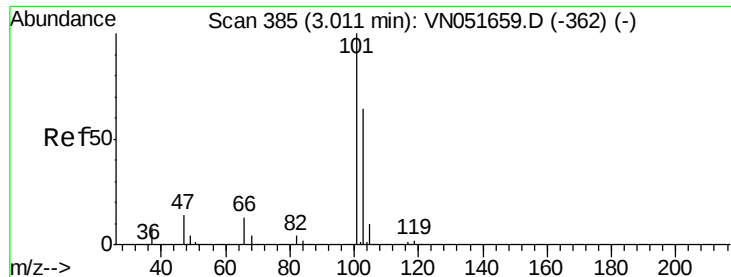
Tgt Ion: 64 Resp: 374231

Ion Ratio Lower Upper

64 100

66 32.5 26.0 39.0





#7

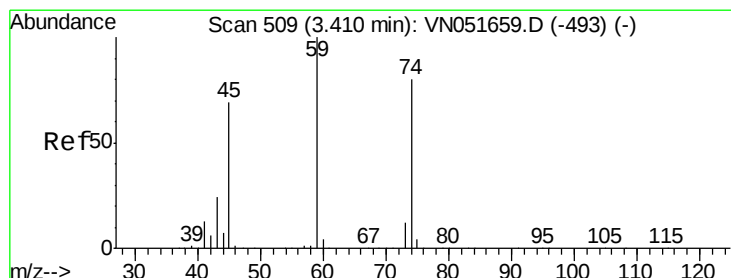
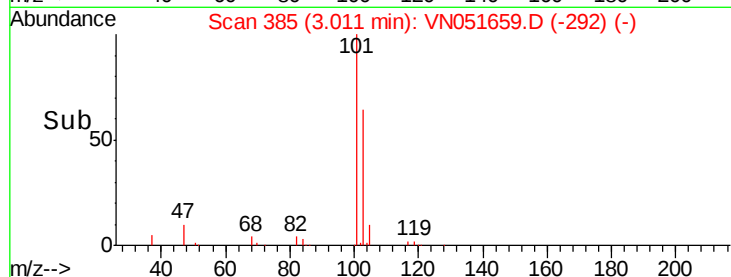
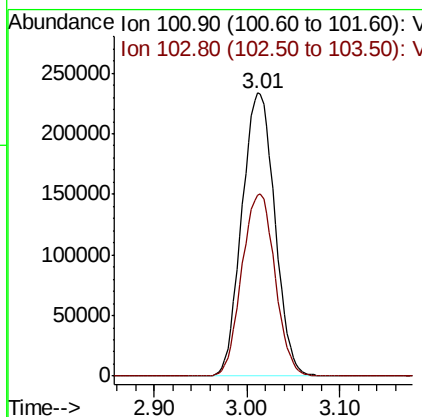
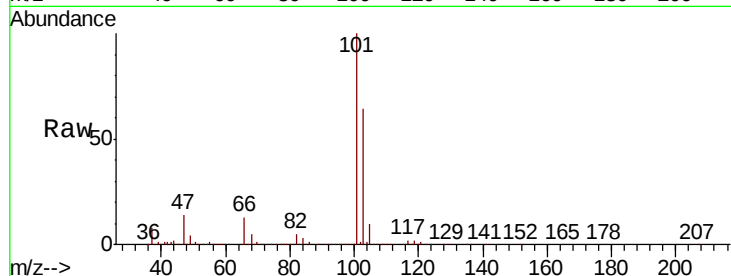
Trichlorofluoromethane
Concen: 45.303 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN051659.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.1	76.7

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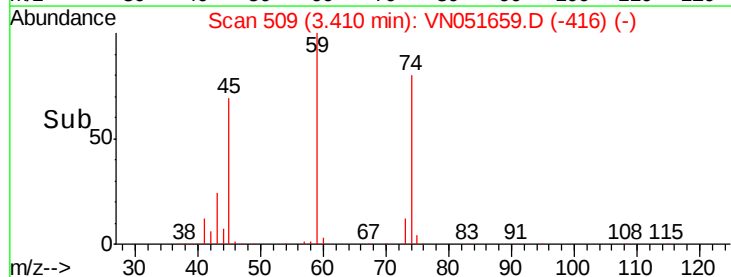
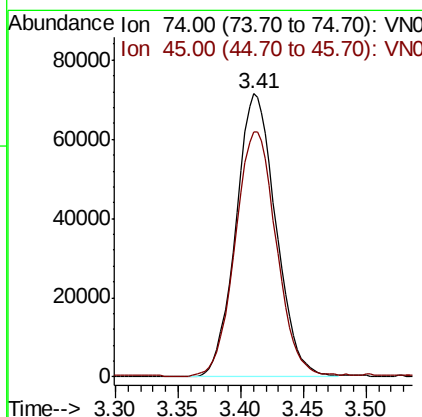
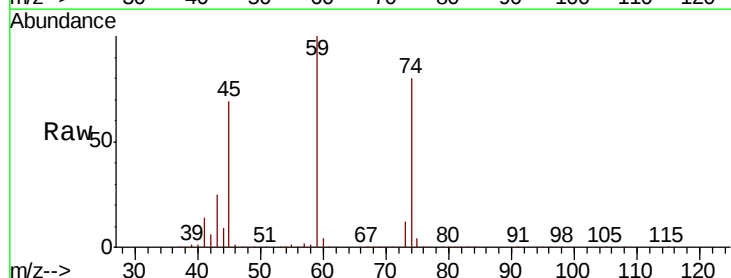
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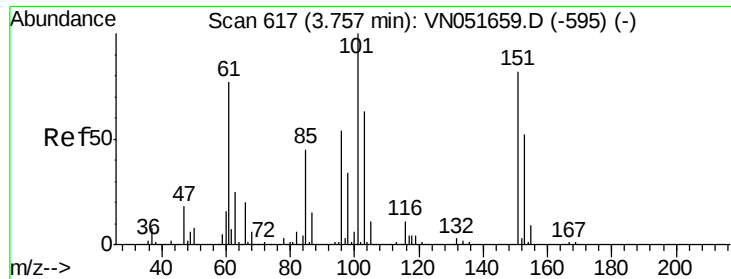


#8

Diethyl Ether
Concen: 49.066 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN051659.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.6	44.3	132.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.620 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

Instrument :

MSVOA_N

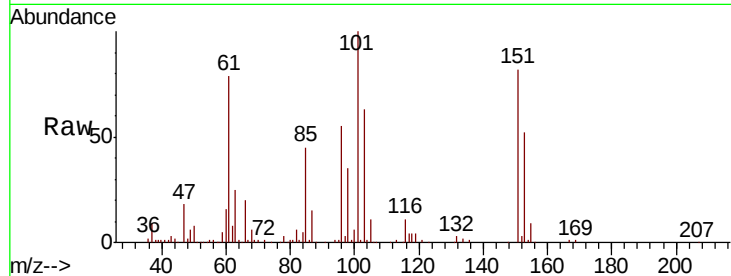
ClientSampled :

VSTDICCC050

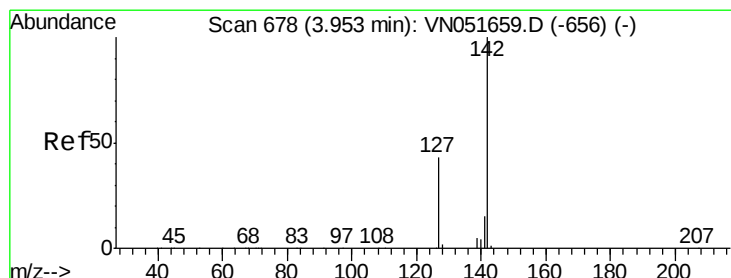
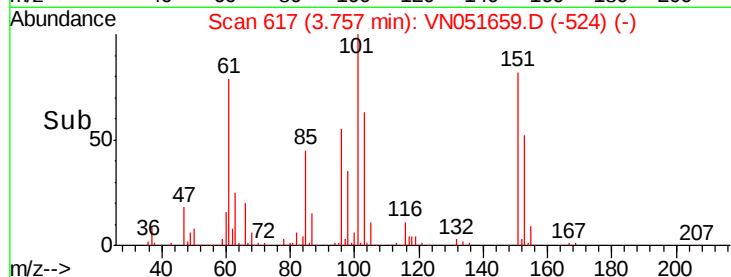
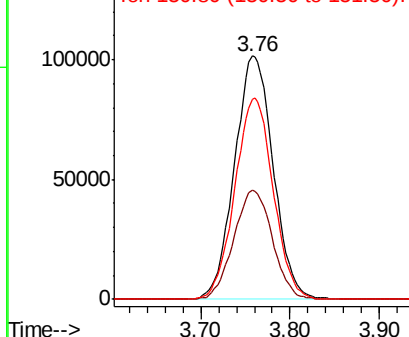
Tot Ion:	101	Resp:	305861
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.6	53.4
151	81.9	65.5	98.3

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.993 ug/l

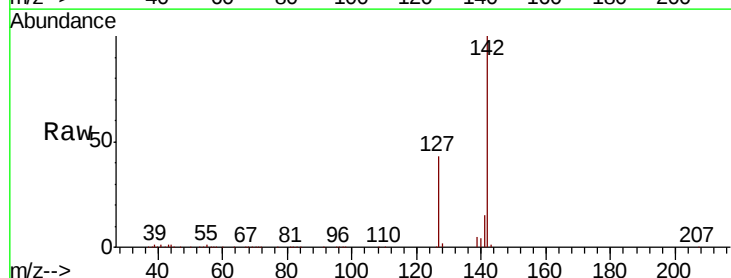
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

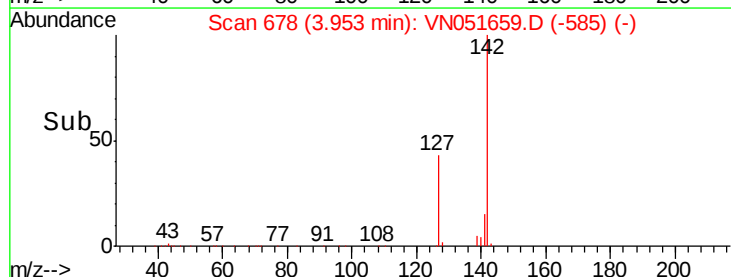
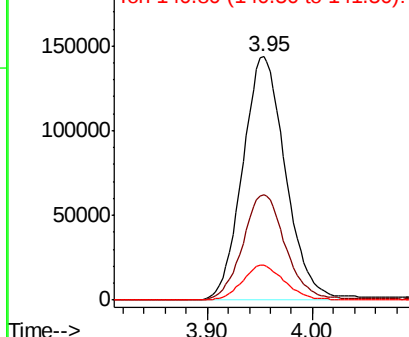
Lab File: VN051659.D

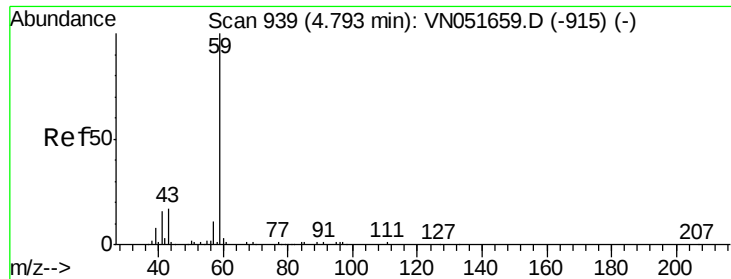
Acq: 4 Oct 2018 11:40

Tgt Ion:	142	Resp:	405702
Ion Ratio	Lower	Upper	
142	100		
127	43.4	34.7	52.1
141	14.3	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

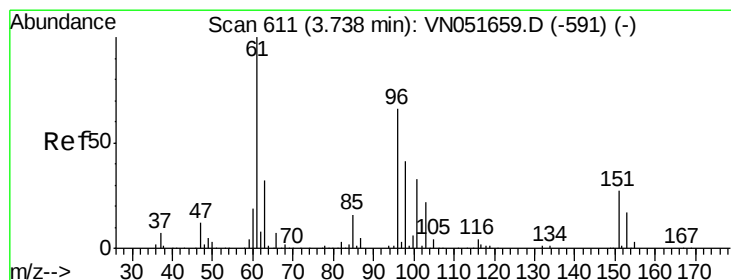
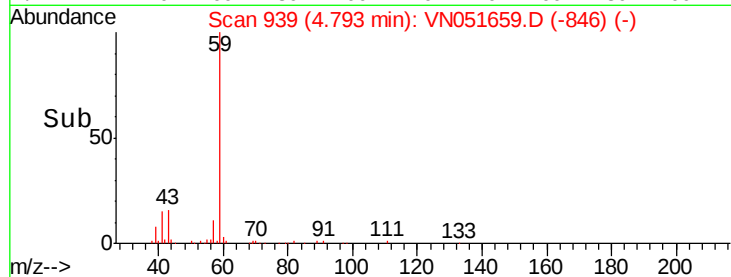
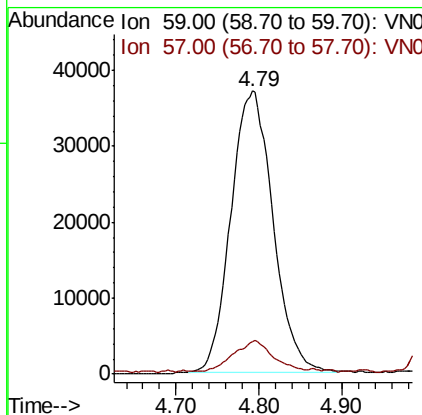
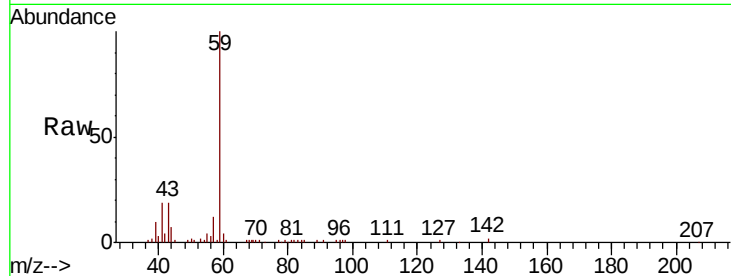
Tert butyl alcohol
 Concen: 254.450 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN051659.D
 Acq: 4 Oct 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

Manual Integrations
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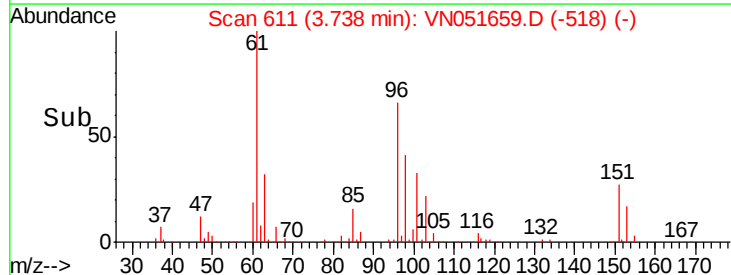
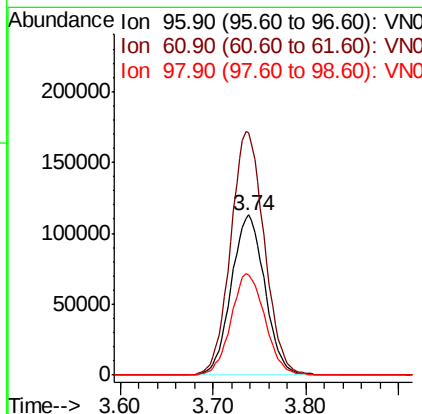
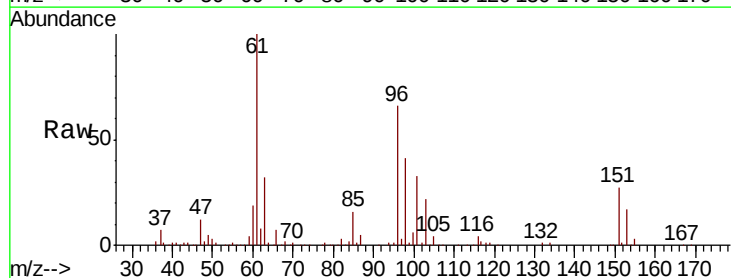
MMDadoda
 10/8/2018 1:53:09 PM



#12

1,1-Dichloroethene
 Concen: 49.099 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051659.D
 Acq: 4 Oct 2018 11:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	121.4	182.0
98	62.4	49.9	74.9





#13

Acrolein

Concen: 271.488 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 93943

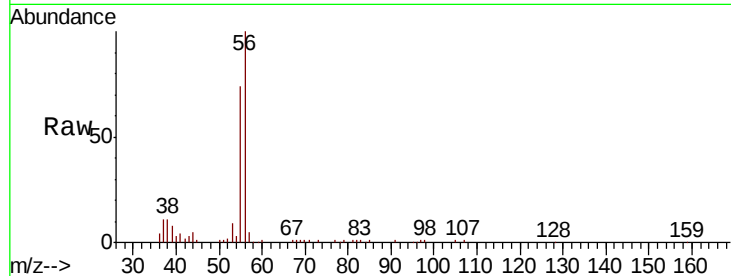
Ion Ratio Lower Upper

56 100

55 71.9 57.5 86.3

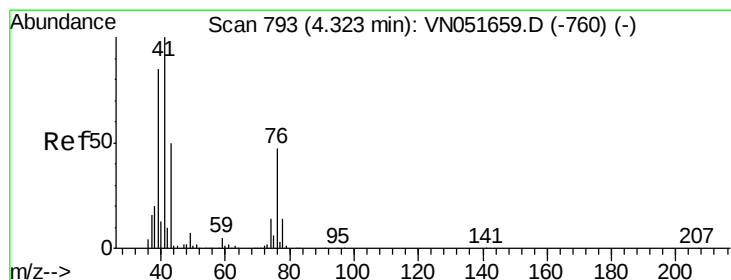
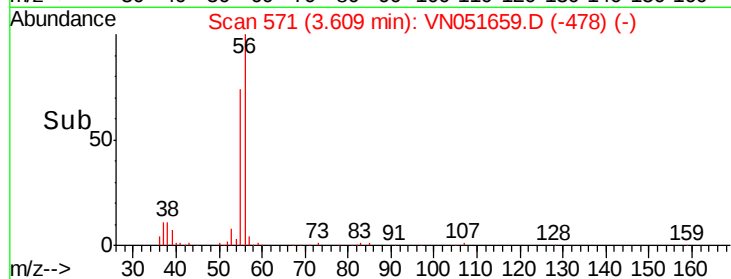
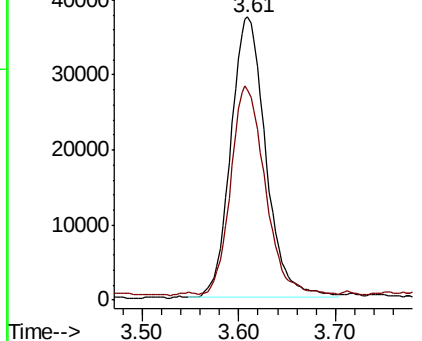
Manual Integrations
APPROVED

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.503 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

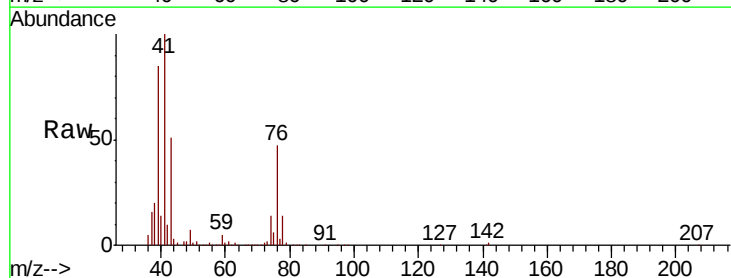
Tgt Ion: 41 Resp: 442532

Ion Ratio Lower Upper

41 100

39 81.7 65.4 98.0

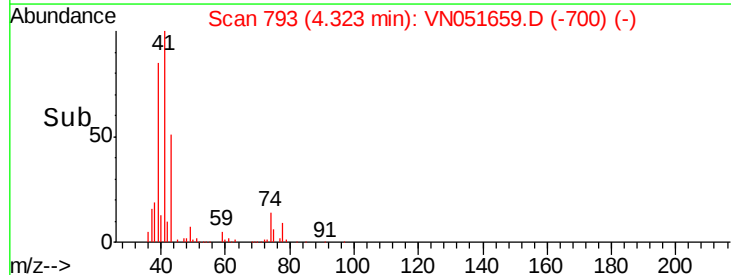
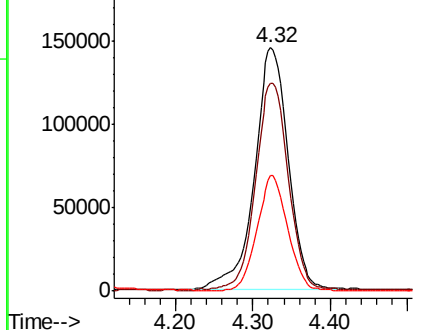
76 42.9 34.3 51.5

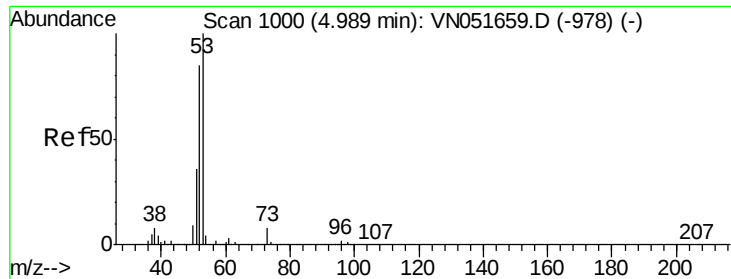


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 244.873 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

Instrument :

MSVOA_N

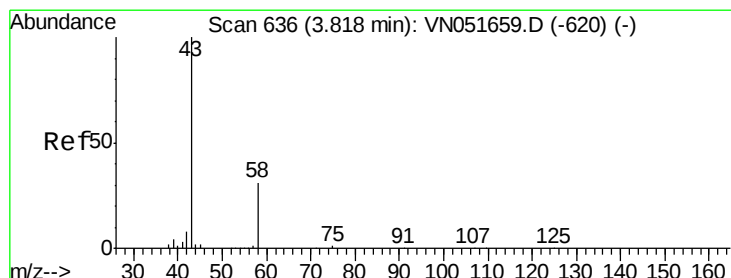
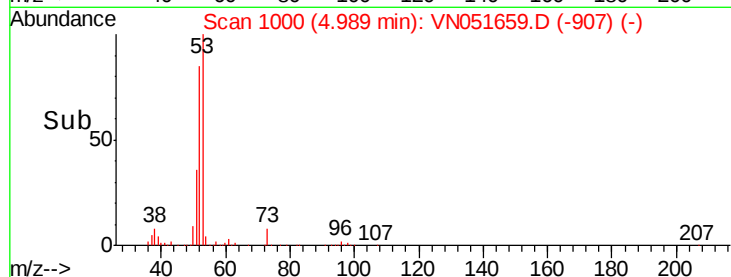
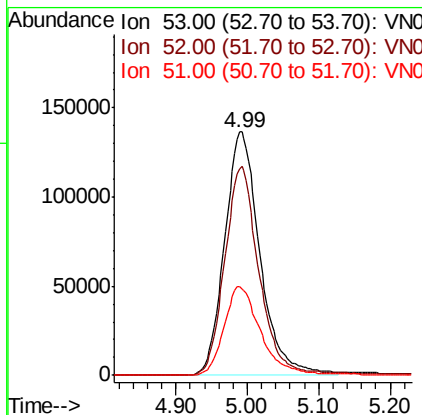
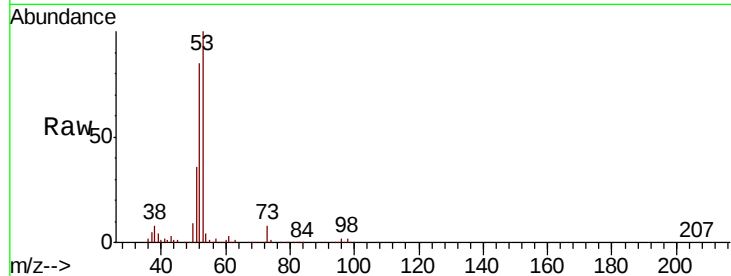
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	468023
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.2	99.2
51	37.9	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 240.006 ug/l

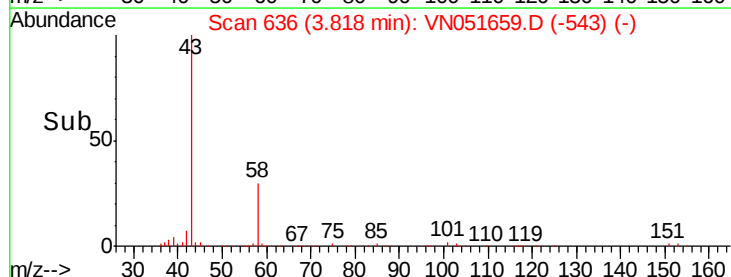
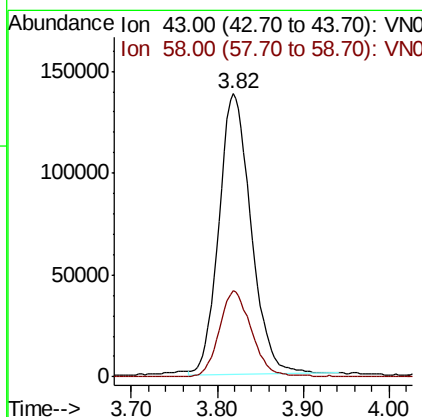
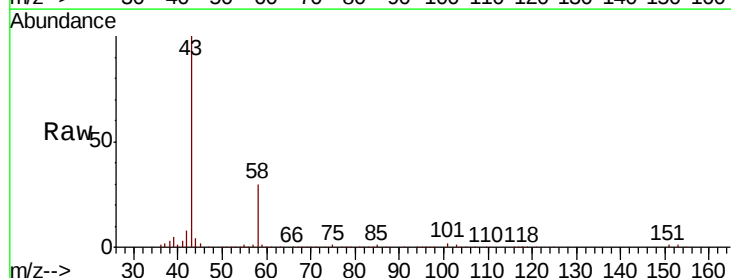
RT: 3.82 min Scan# 636

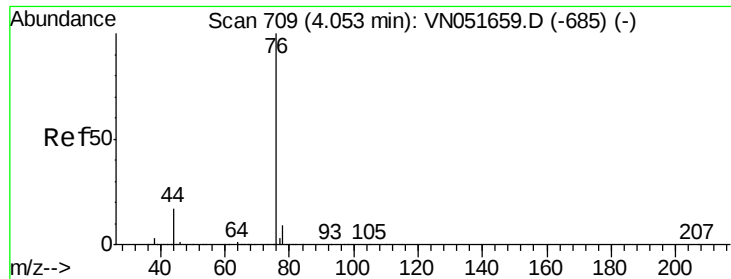
Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

Tgt Ion:	43	Resp:	357982
Ion Ratio	Lower	Upper	
43	100		
58	30.4	24.3	36.5





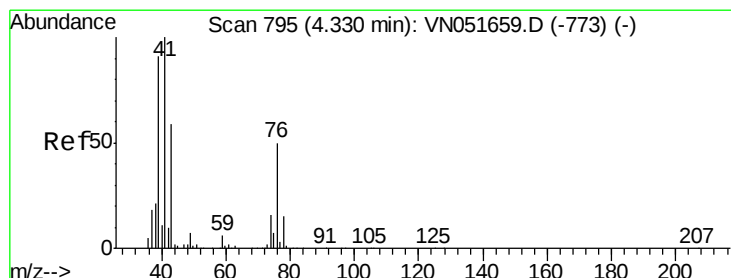
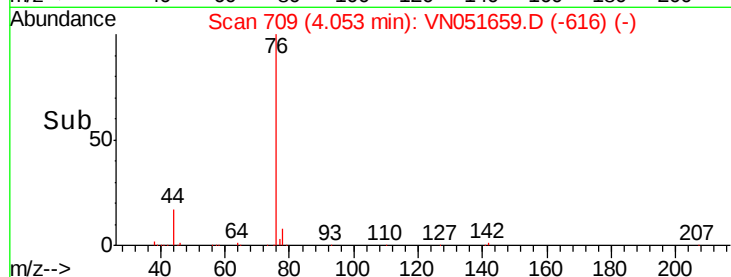
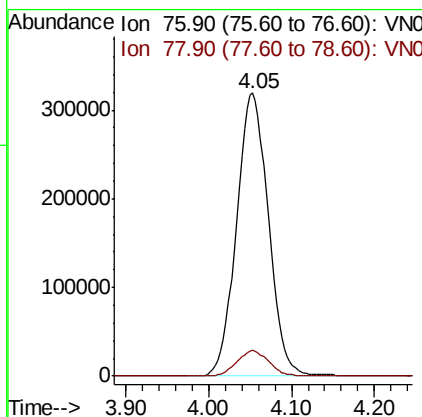
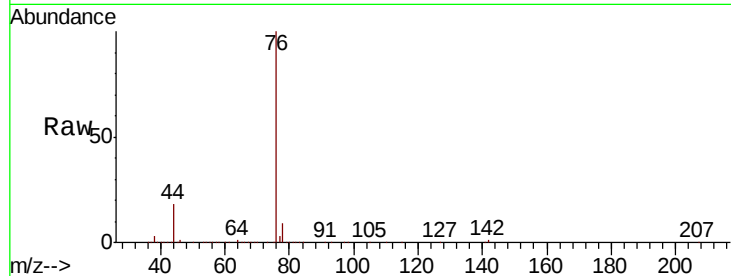
#17
Carbon Disulfide
Concen: 48.882 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

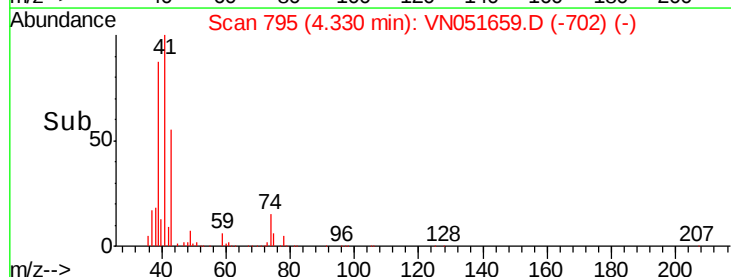
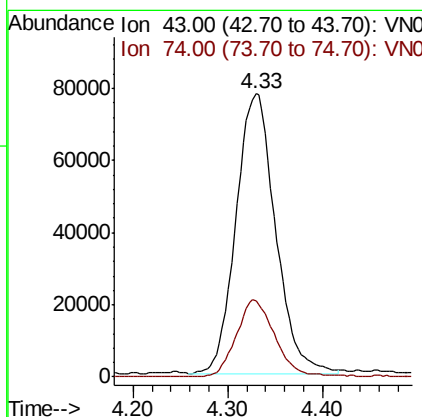
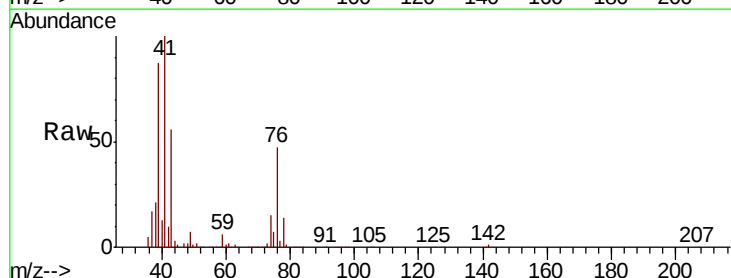
Manual Integrations
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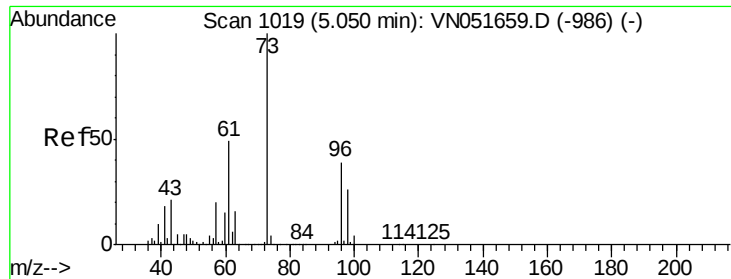
MMDadoda
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#18
Methyl Acetate
Concen: 49.954 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.9	21.5	32.3





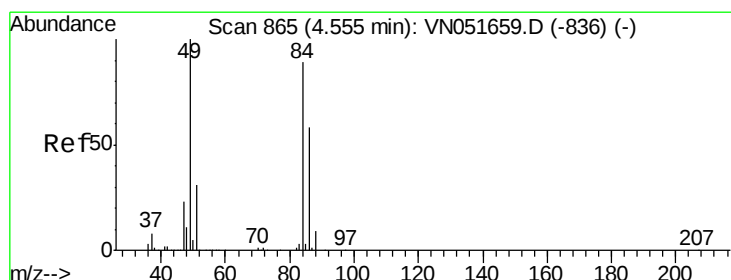
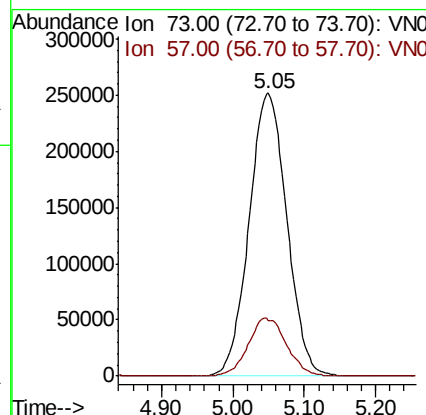
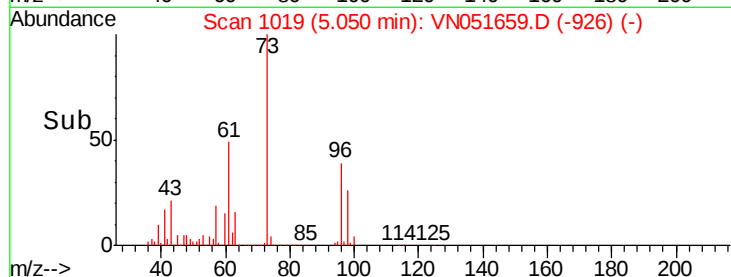
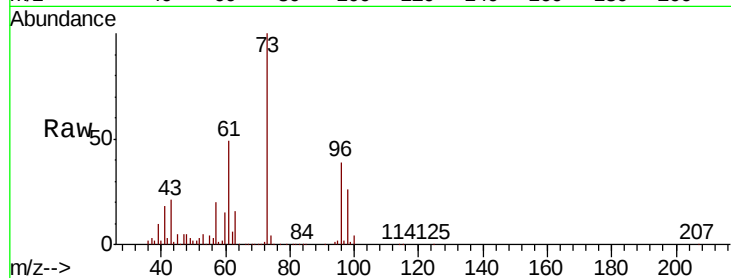
#19
Methvl tert-butvl Ether
Concen: 48.823 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 925866
Ion Ratio Lower Upper
73 100
57 19.5 15.6 23.4

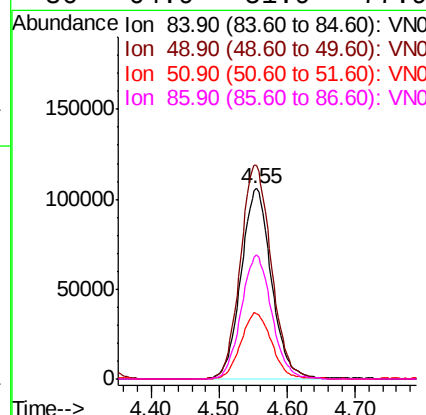
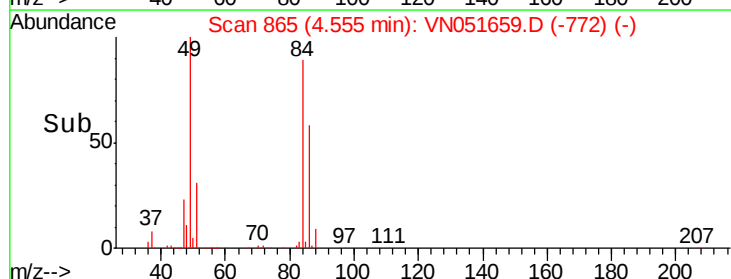
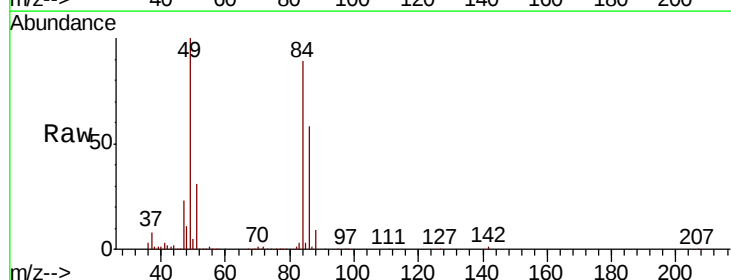
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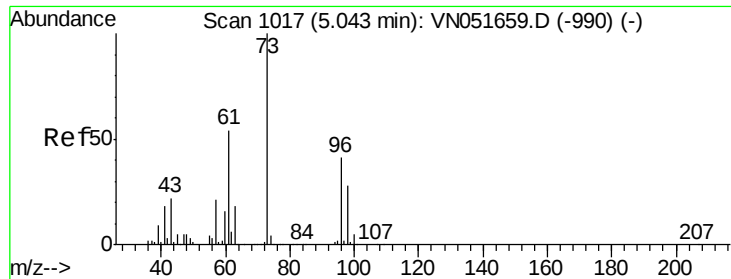
MMDadoda
10/8/2018 1:53:09 PM



#20
Methylene Chloride
Concen: 49.059 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion: 84 Resp: 328948
Ion Ratio Lower Upper
84 100
49 111.9 89.5 134.3
51 34.2 27.4 41.0
86 64.9 51.9 77.9





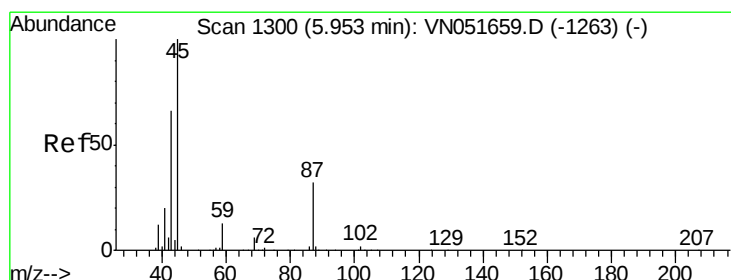
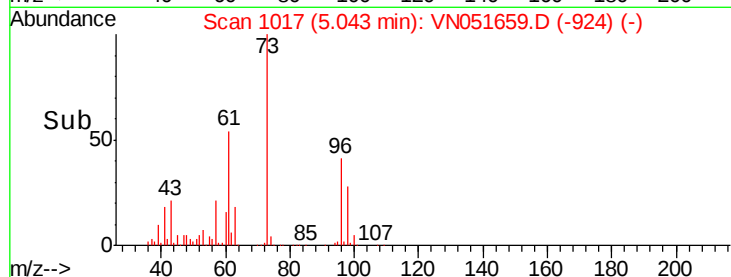
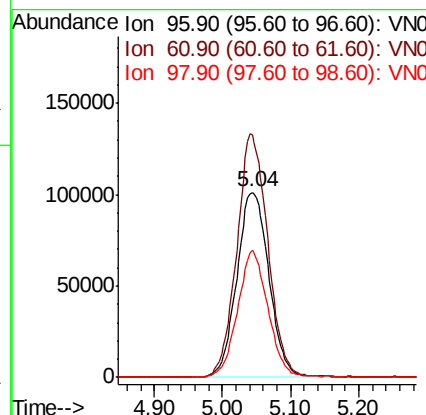
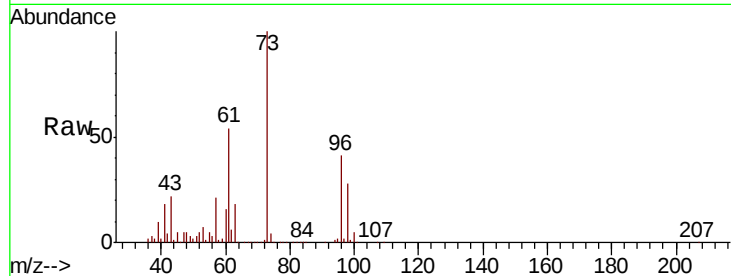
#21
trans-1,2-Dichloroethene
Concen: 48.776 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.9	104.7	157.1
98	68.3	54.6	82.0

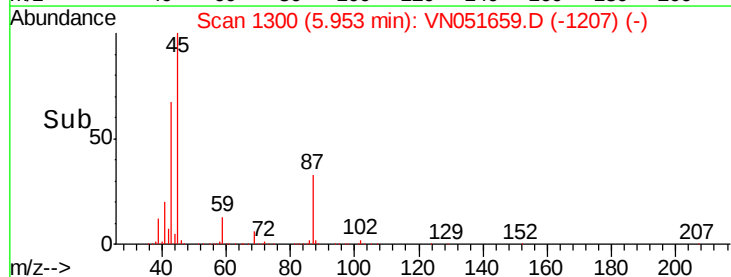
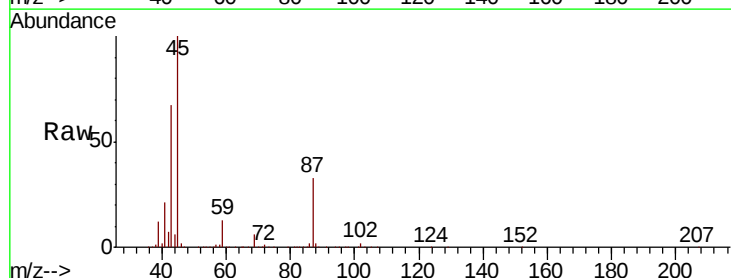
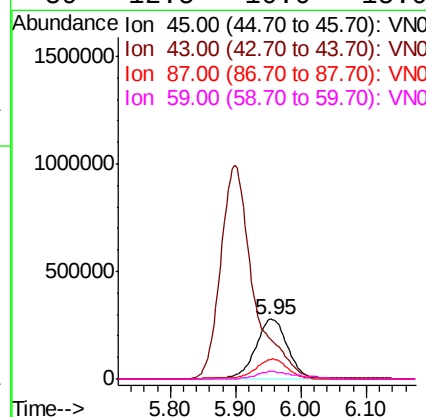
Manual Integrations
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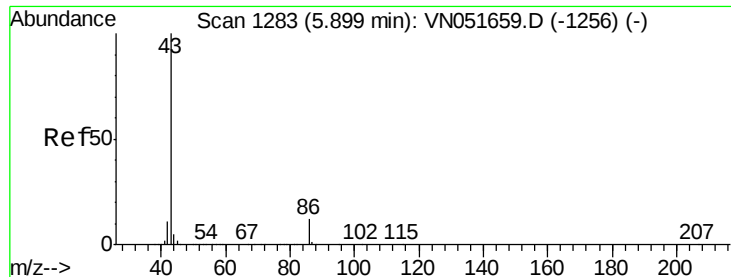
MMDadoda
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#22
Diisopropyl ether
Concen: 50.218 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.2	53.0	79.4
87	33.0	26.4	39.6
59	12.5	10.0	15.0





#23

Vinyl Acetate

Concen: 250.378 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 3457992

Ion Ratio Lower Upper

43 100

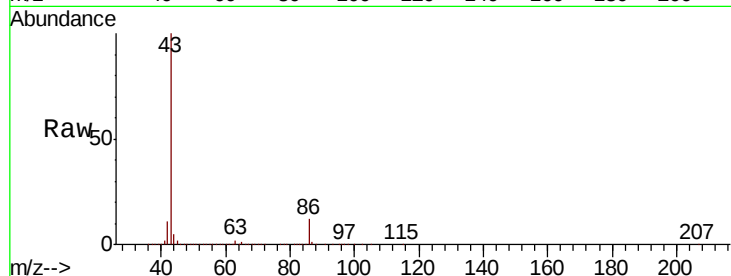
86 11.6 9.3 13.9

Manual Integrations

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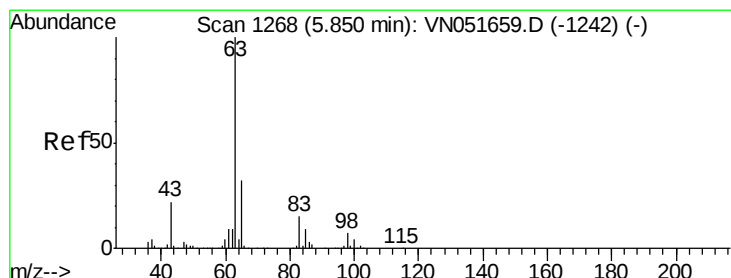
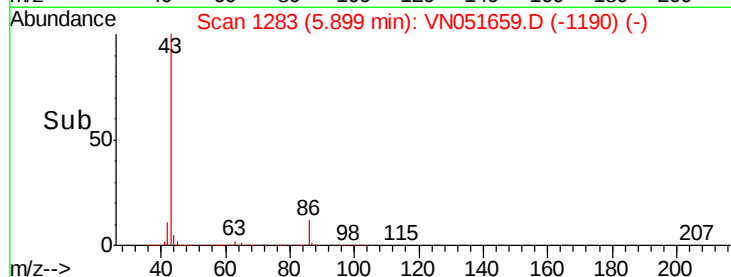
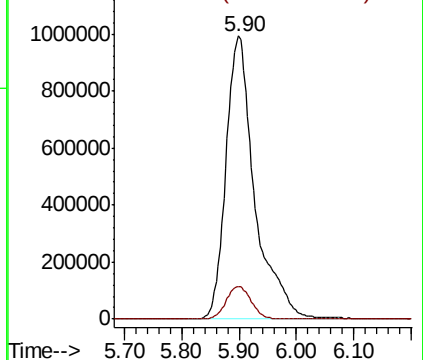
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.547 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

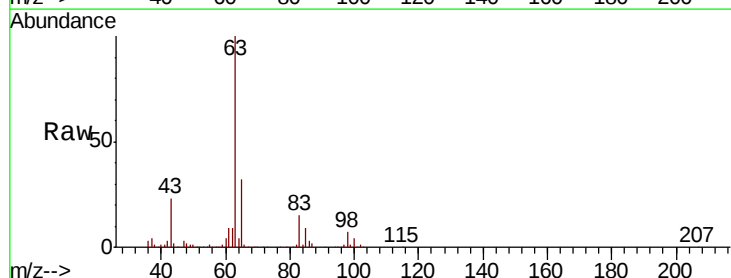
Tgt Ion: 63 Resp: 598538

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

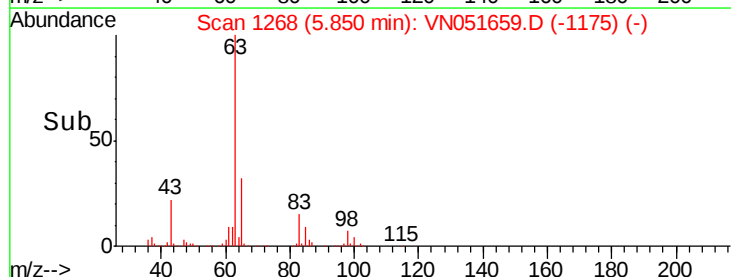
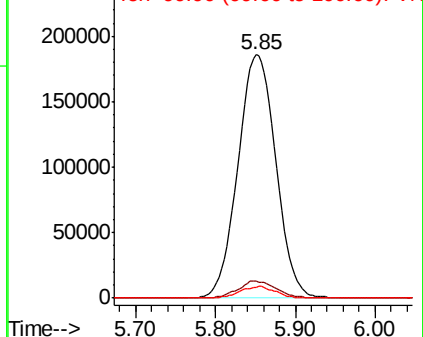
100 4.4 2.2 6.6

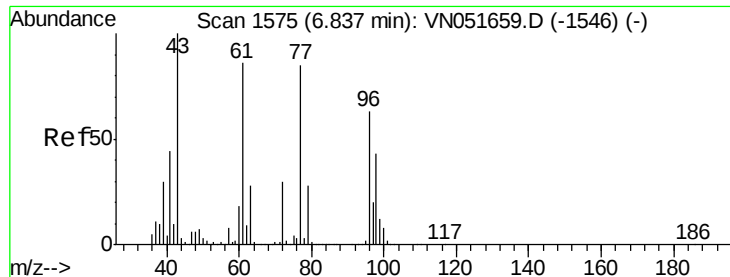


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





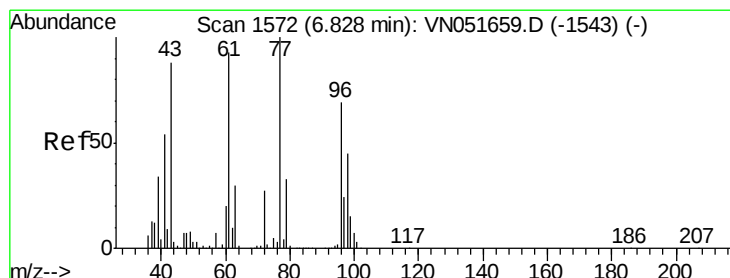
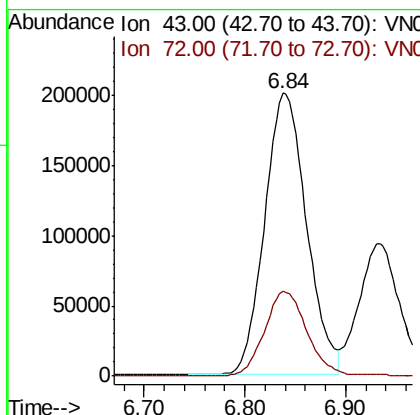
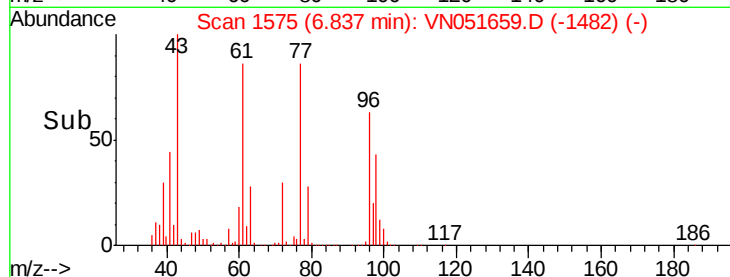
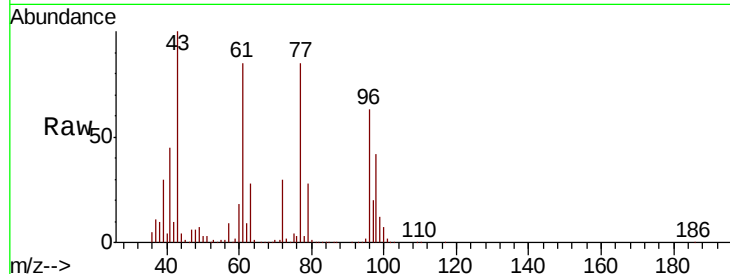
#25
2-Butanone
Concen: 245.966 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 578845
Ion Ratio Lower Upper
43 100
72 30.2 24.2 36.2

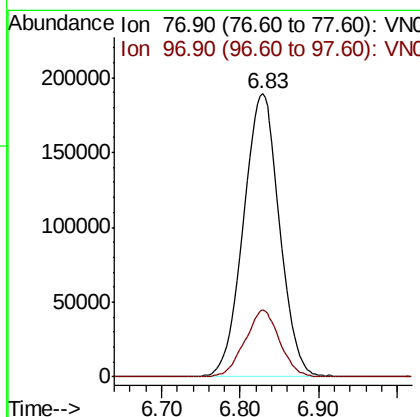
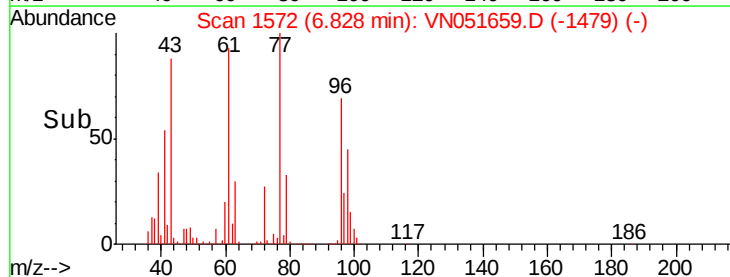
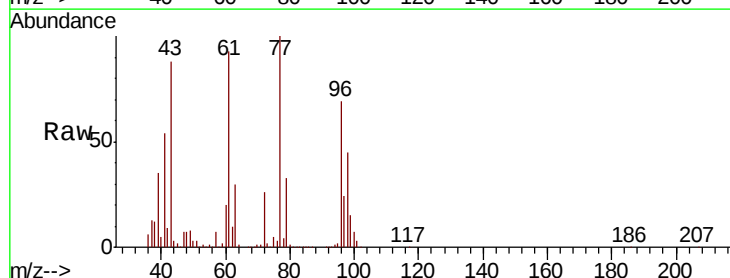
Manual Integrations
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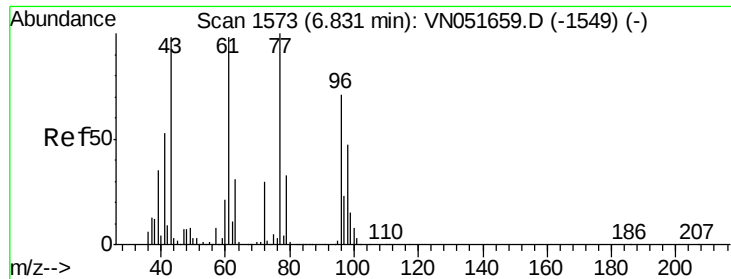
MMDadoda
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#26
2,2-Dichloropropane
Concen: 50.460 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion: 77 Resp: 610855
Ion Ratio Lower Upper
77 100
97 22.5 11.3 33.8





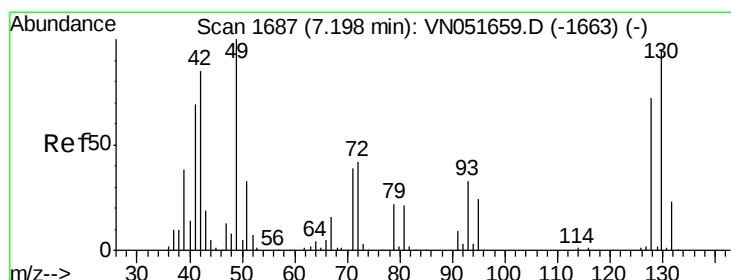
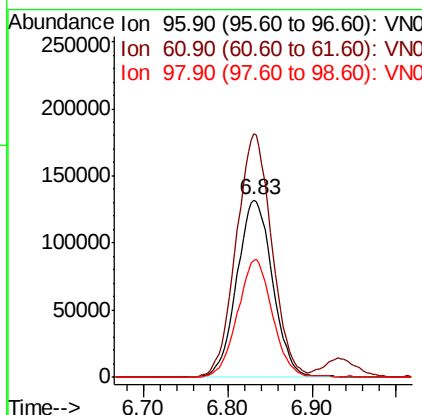
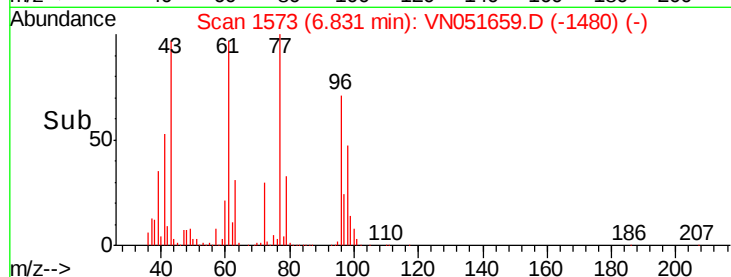
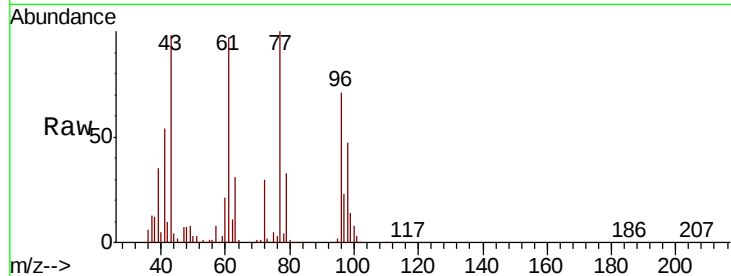
#27
 cis-1,2-Dichloroethene
 Concen: 48.958 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051659.D
 Acq: 4 Oct 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	386931		
61	137.7	0.0	275.4	
98	64.8	0.0	129.6	

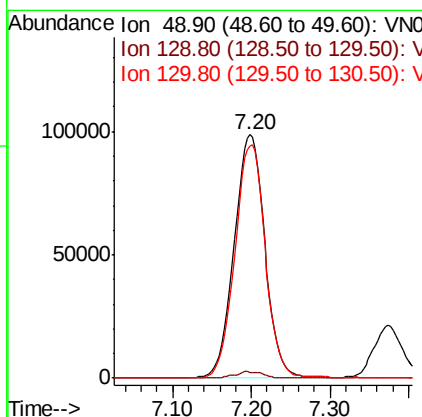
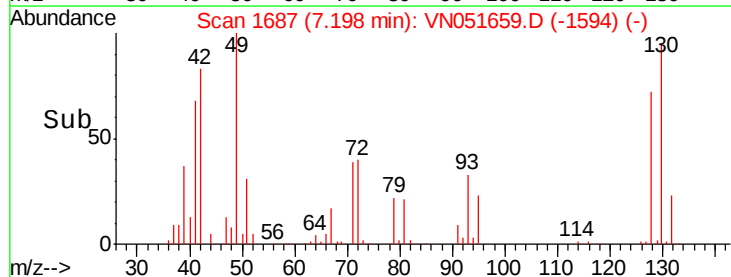
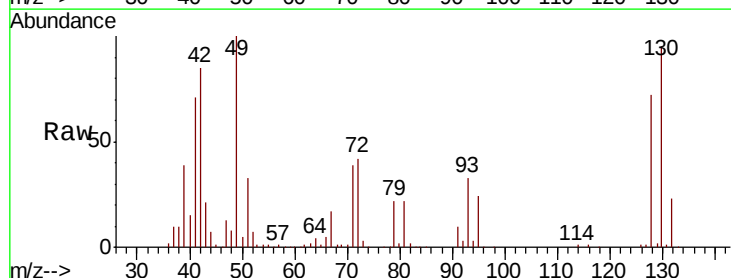
Manual Integrations
 APPROVED

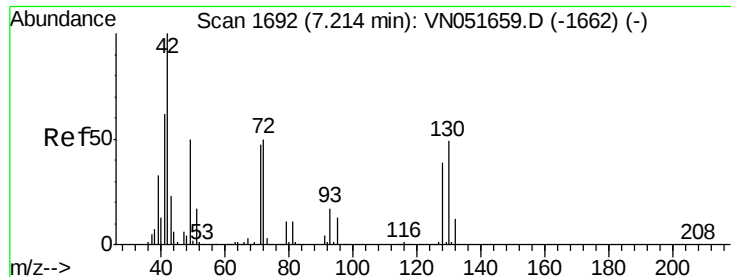
MMDadoda
 10/8/2018 1:53:09 PM



#28
 Bromochloromethane
 Concen: 50.385 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN051659.D
 Acq: 4 Oct 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	269463		
129	2.4	0.0	4.8	
130	94.6	75.7	113.5	





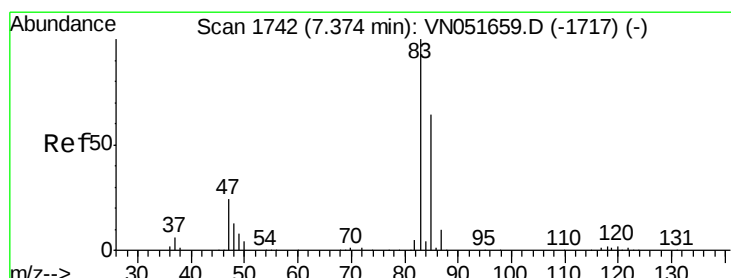
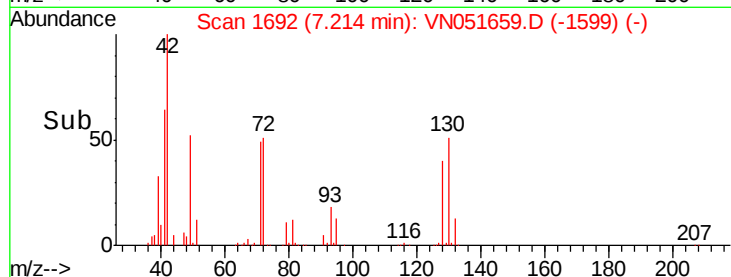
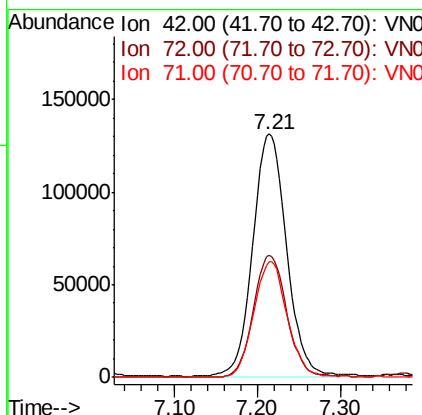
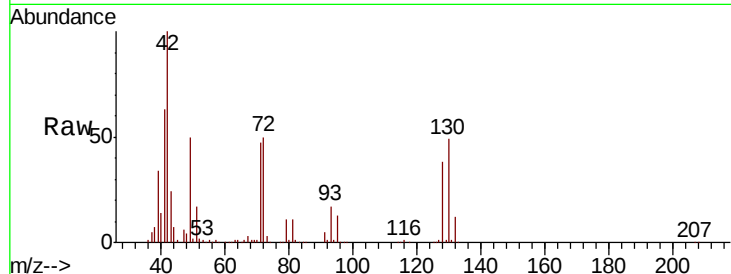
#29
Tetrahydrofuran
Concen: 256.256 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.1	40.1	60.1
71	47.5	38.0	57.0

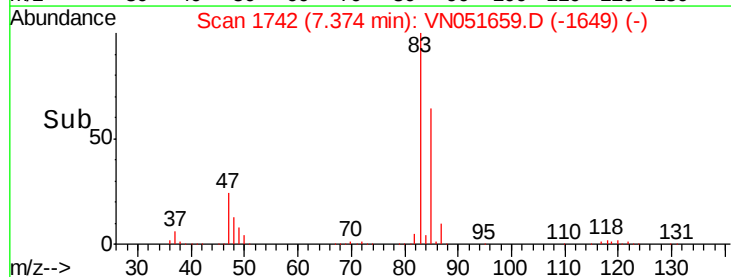
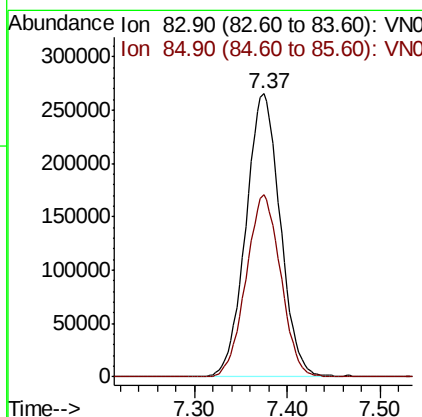
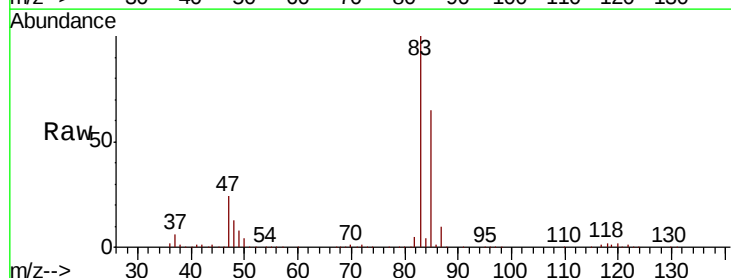
Manual Integrations
APPROVED

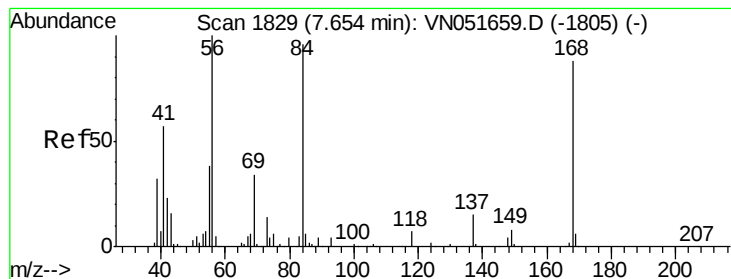
MMDadoda
10/8/2018 1:53:09 PM



#30
Chloroform
Concen: 50.392 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4





#31

Cyclohexane

Concen: 49.604 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 548788

Ion Ratio Lower Upper

56 100

69 34.4 27.5 41.3

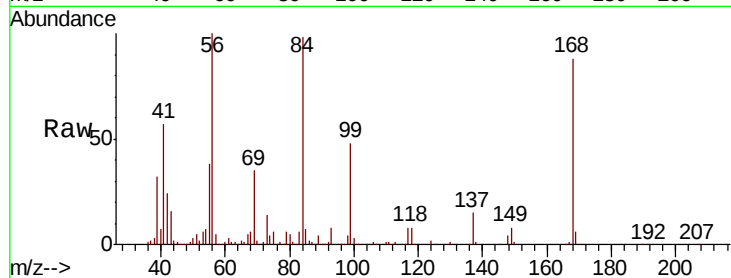
84 95.9 76.7 115.1

Manual Integrations

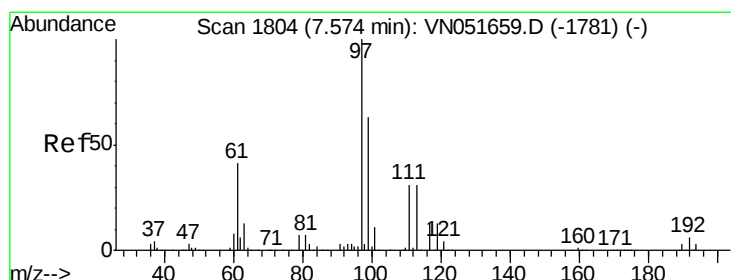
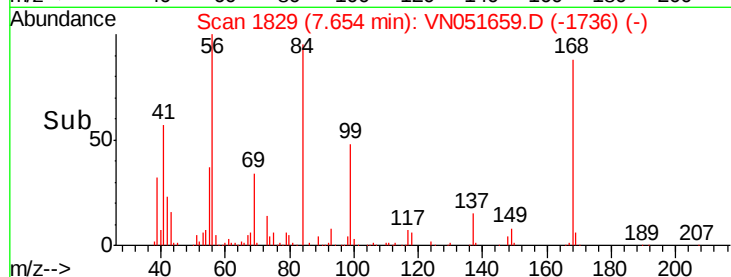
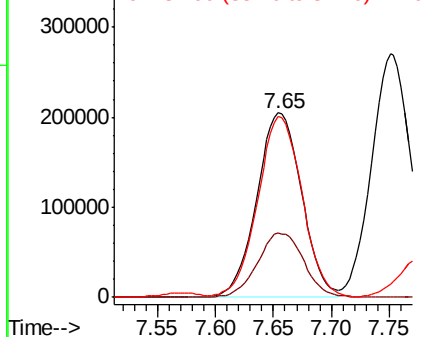
APPROVED

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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 49.829 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

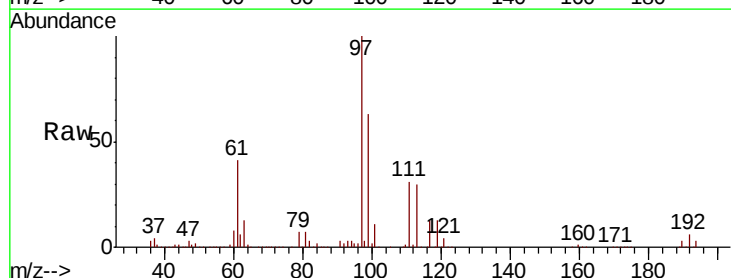
Tgt Ion: 97 Resp: 655548

Ion Ratio Lower Upper

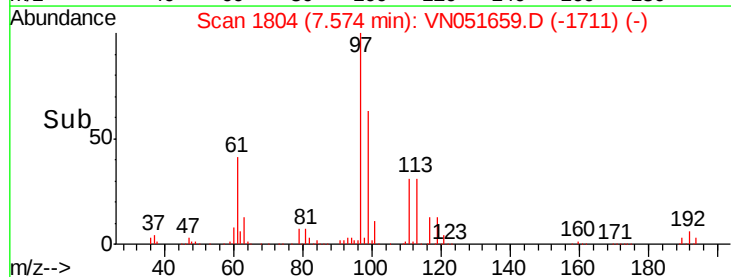
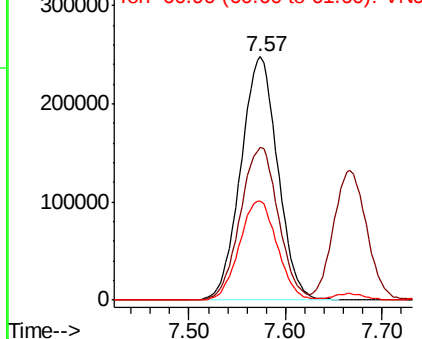
97 100

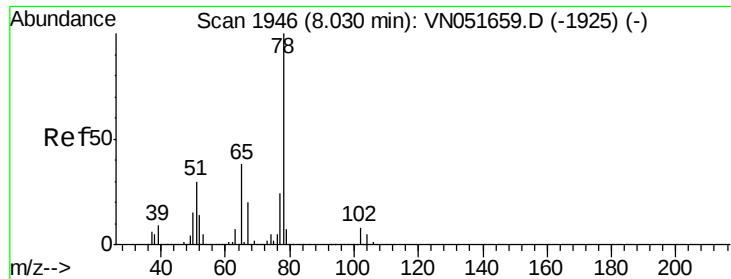
99 64.9 51.9 77.9

61 41.7 33.4 50.0



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





#33

1,2-Dichloroethane-d4

Concen: 49.829 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 399084

Ion Ratio Lower Upper

65 100

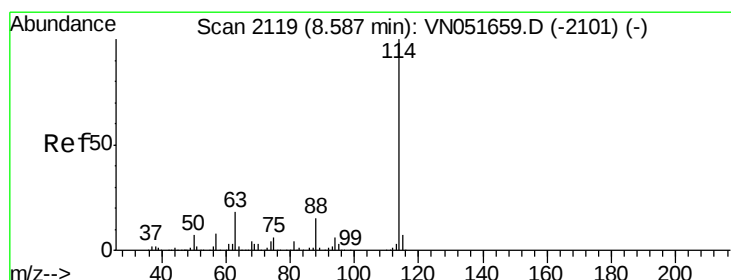
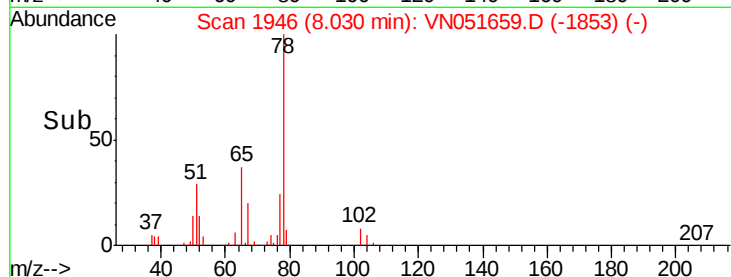
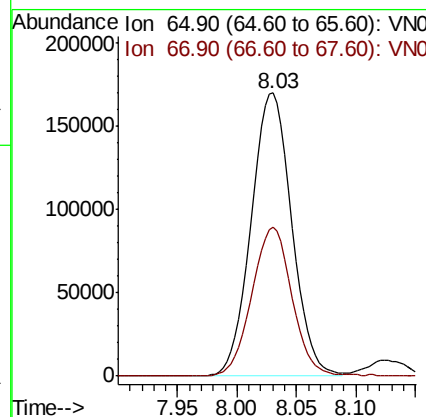
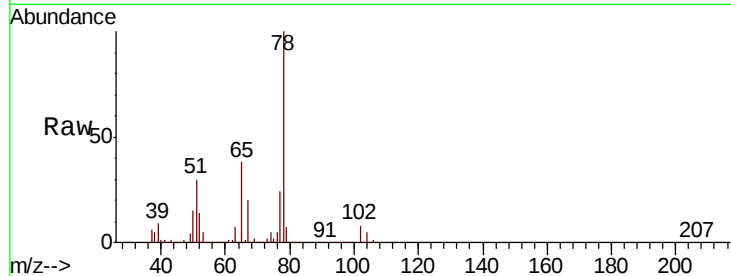
67 51.8 0.0 103.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

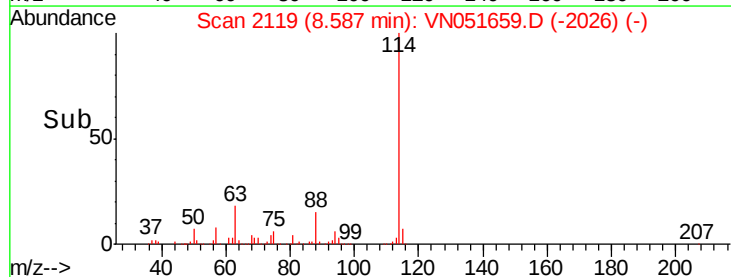
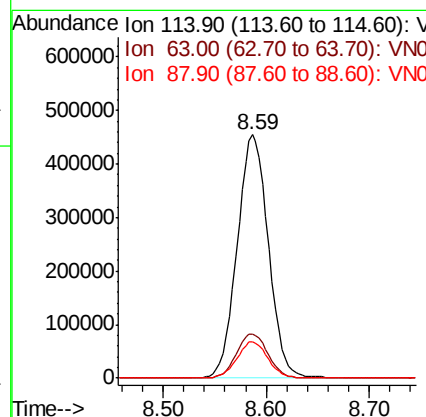
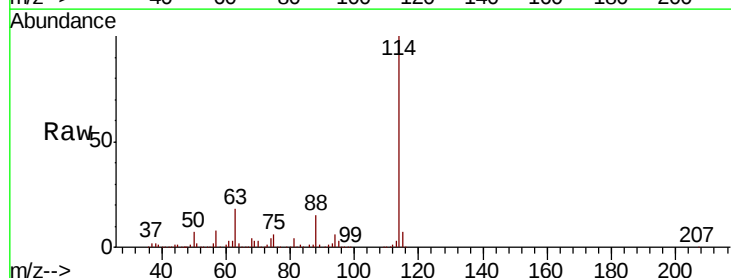
Tgt Ion: 114 Resp: 958139

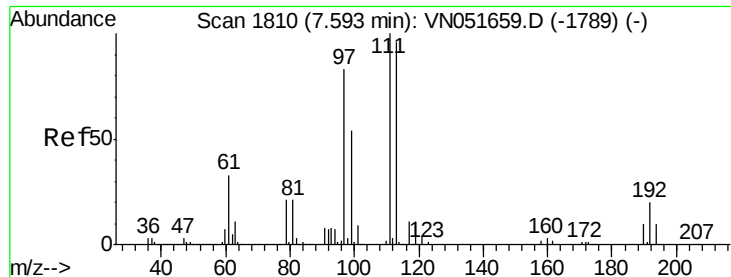
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.2

88 15.1 0.0 30.2





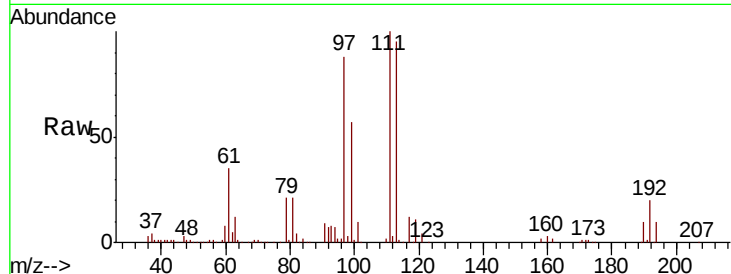
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	353586		
111	102.3	81.8	122.8	
192	20.6	16.5	24.7	

Manual Integrations
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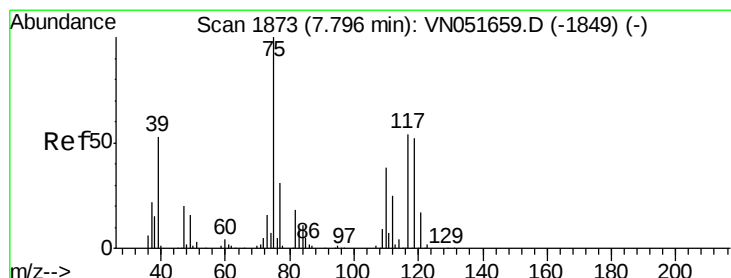
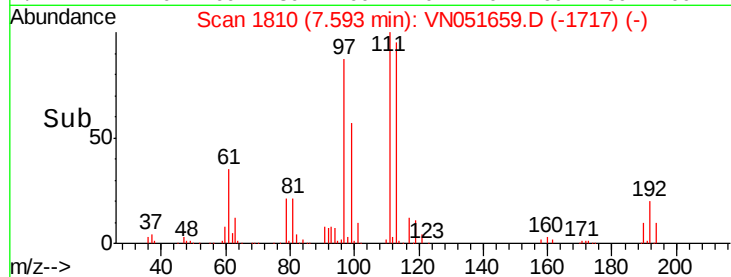
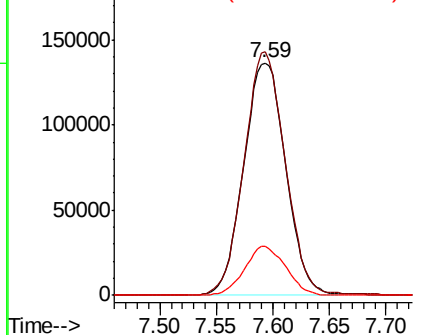


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 49.962 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

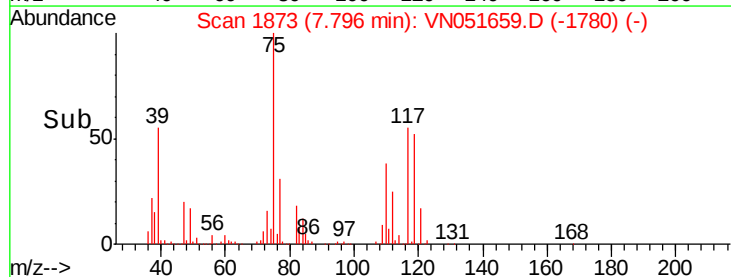
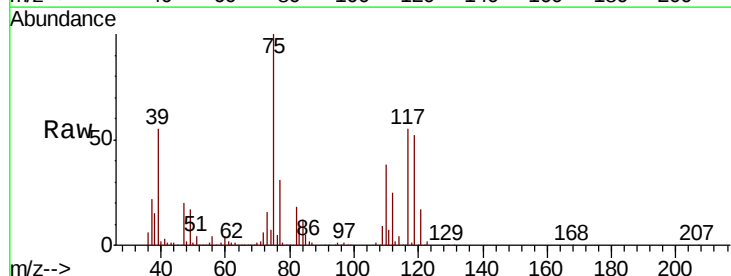
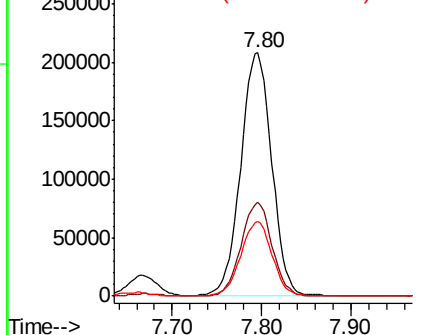
Tgt Ion	Ratio	Resp	Lower	Upper
75	100	500371		
110	38.5	19.3	57.8	
77	30.9	24.7	37.1	

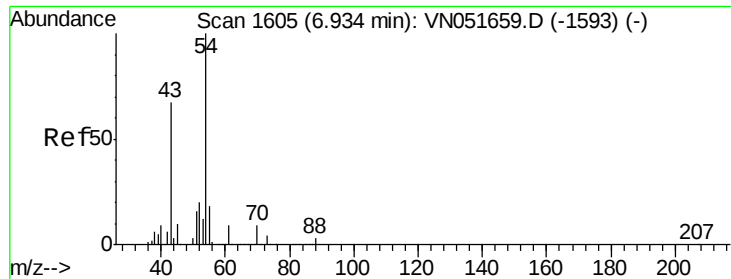
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





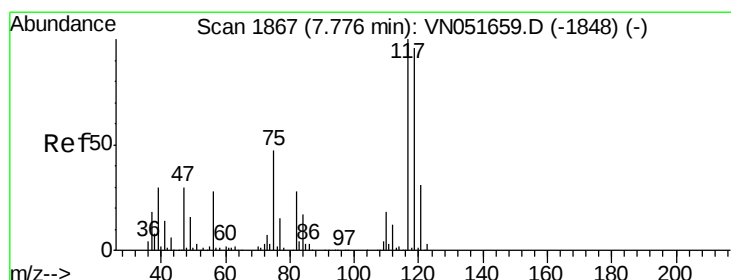
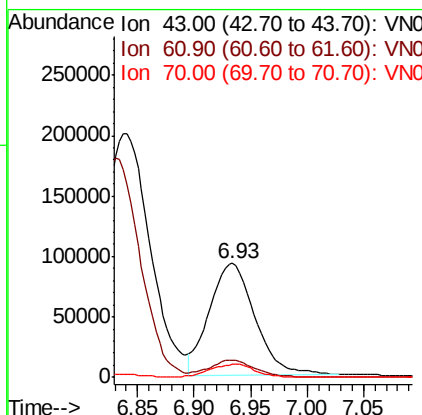
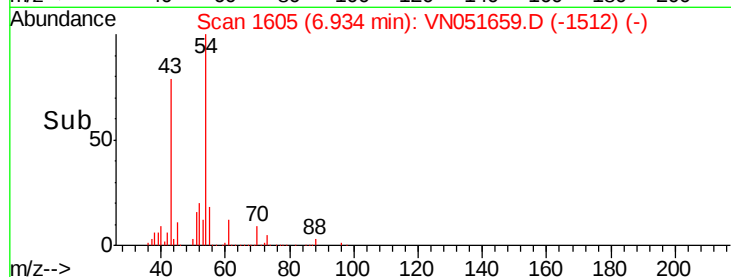
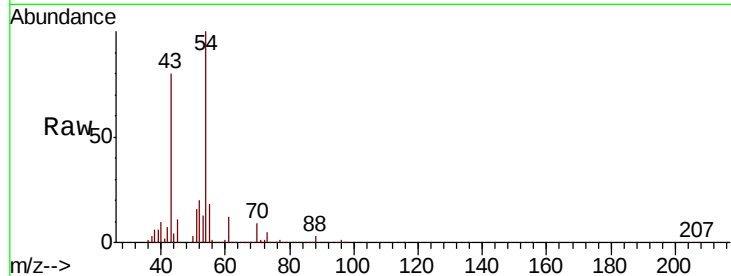
#37
Ethyl Acetate
Concen: 49.341 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	10.9	8.7	13.1

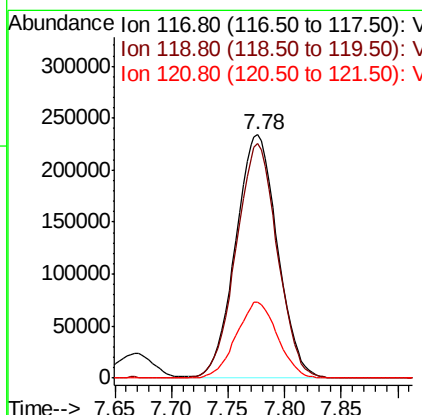
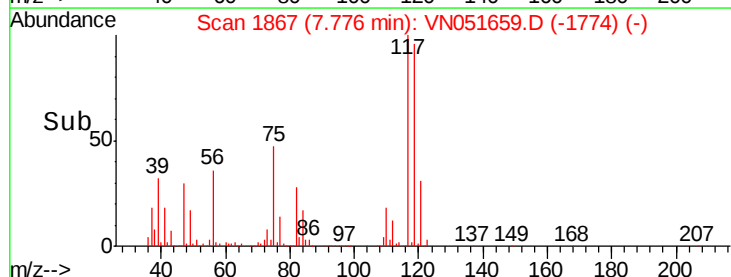
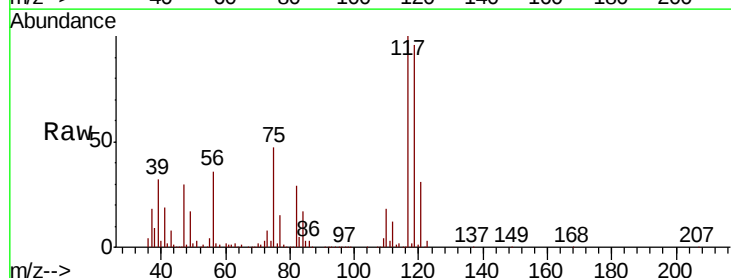
Manual Integrations
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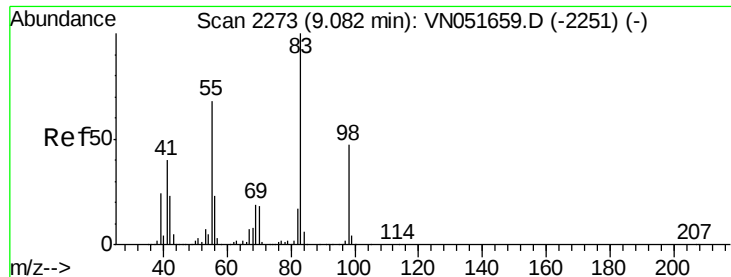
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.913 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.0	115.6
121	31.3	25.0	37.6





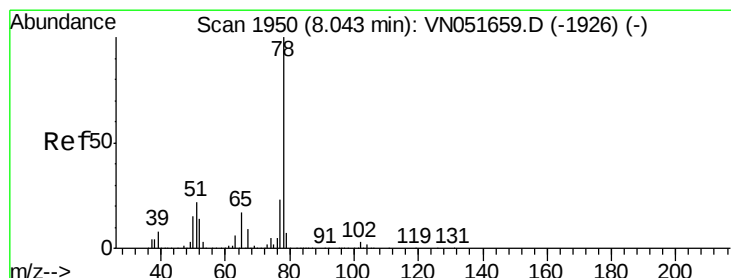
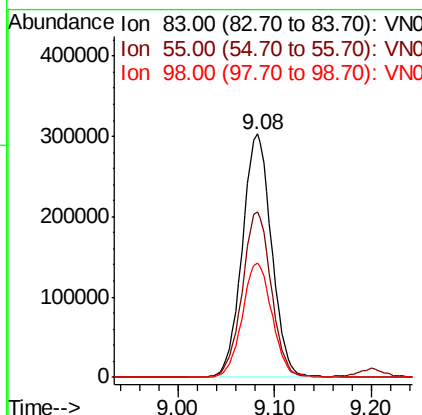
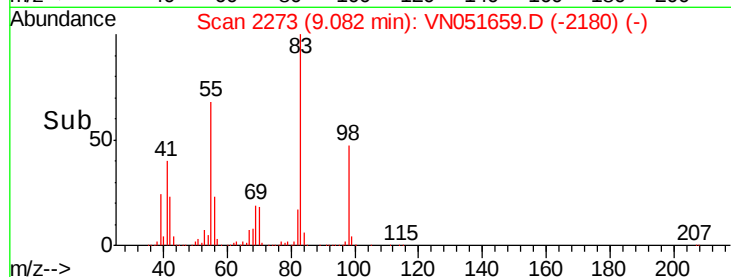
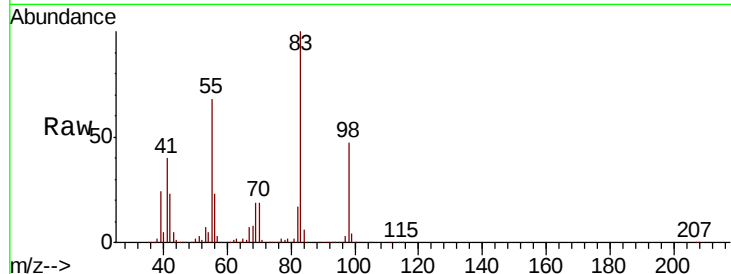
#39
Methvlcvclohexane
Concen: 50.507 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.9	54.3	81.5
98	46.8	37.4	56.2

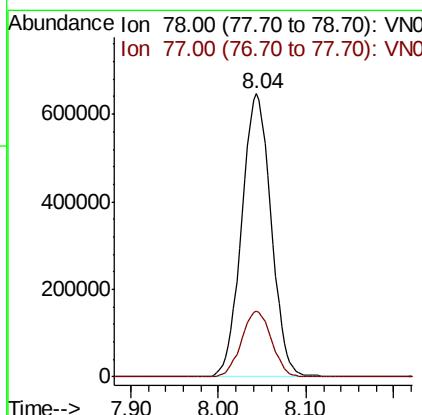
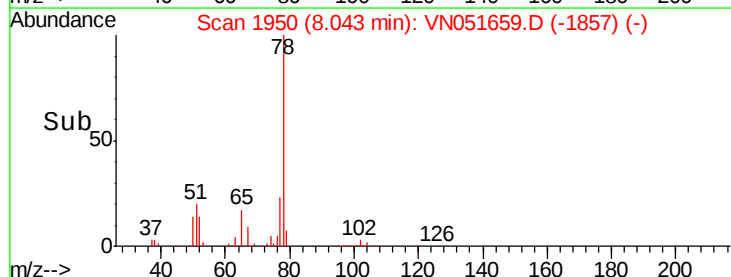
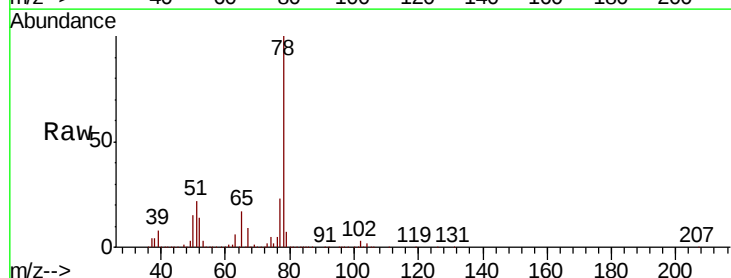
Manual Integrations
APPROVED

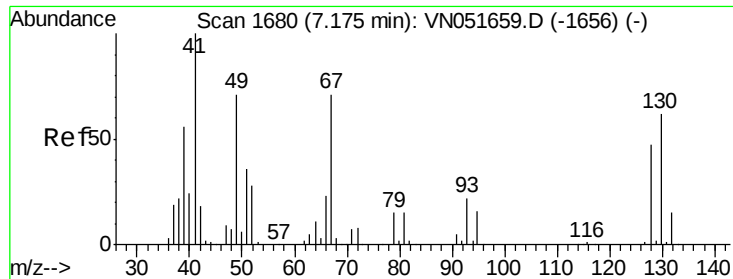
MMDadoda
10/8/2018 1:53:09 PM



#40
Benzene
Concen: 50.903 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7





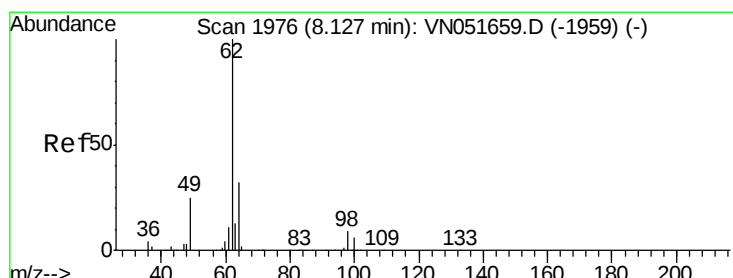
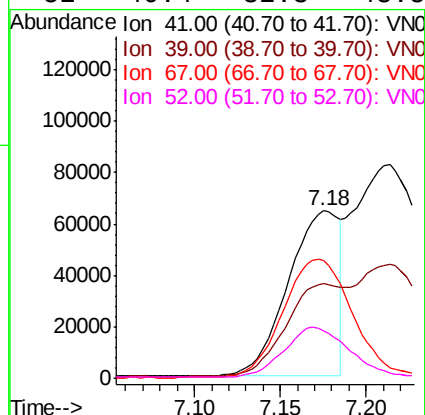
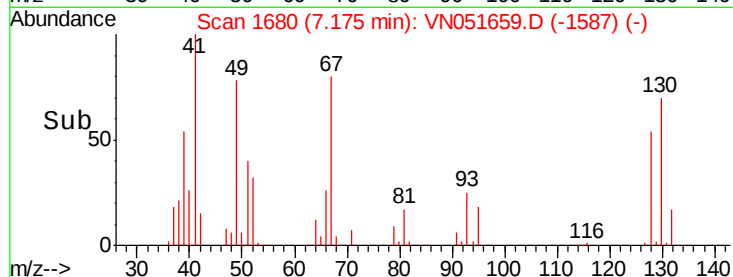
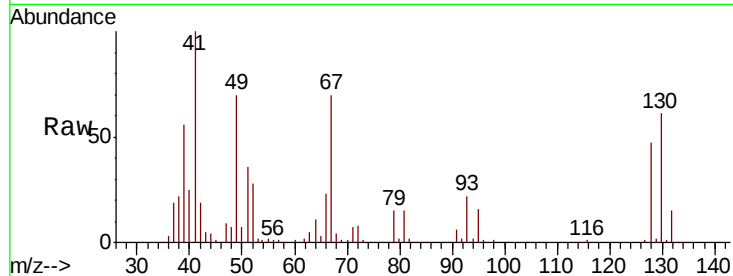
#41
Methacrylonitrile
Concen: 46.427 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	133158
Ion Ratio	Lower	Upper	
41	100		
39	67.4	53.9	80.9
67	97.6	78.1	117.1
52	40.4	32.3	48.5

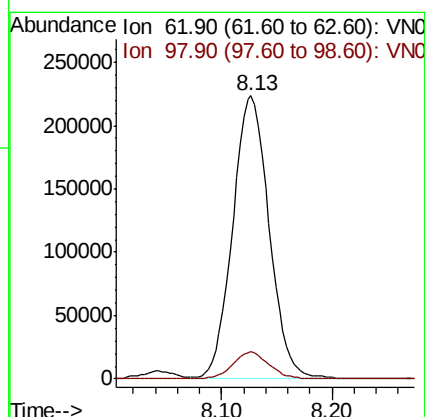
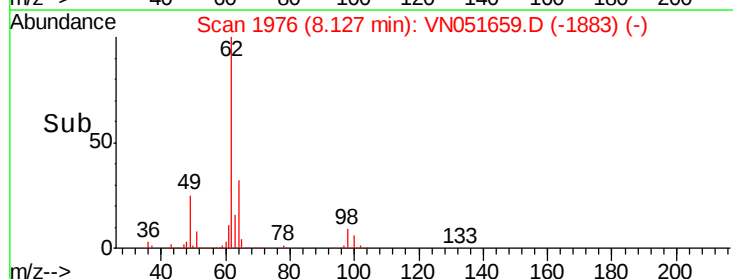
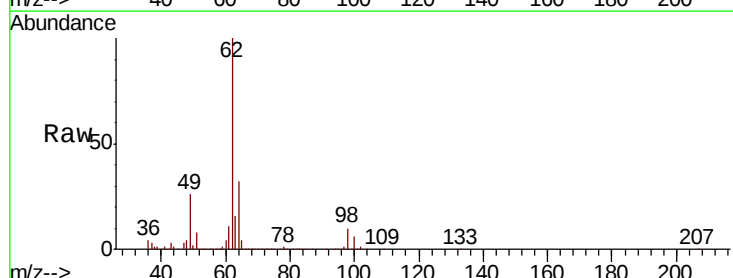
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 50.905 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion	62	Resp	509321
Ion Ratio	Lower	Upper	
62	100		
98	9.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 50.815 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

Instrument :

MSVOA_N

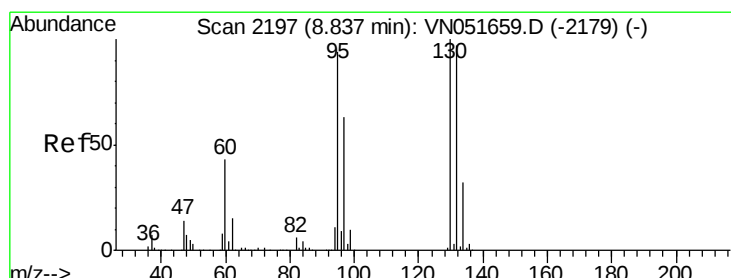
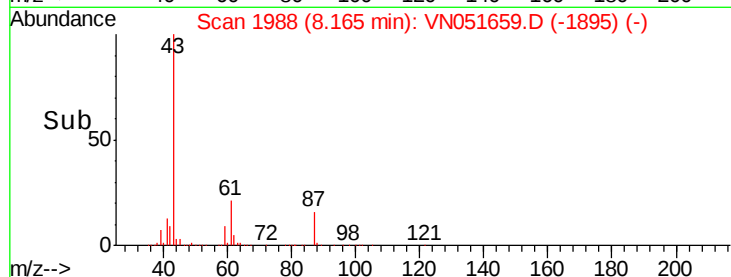
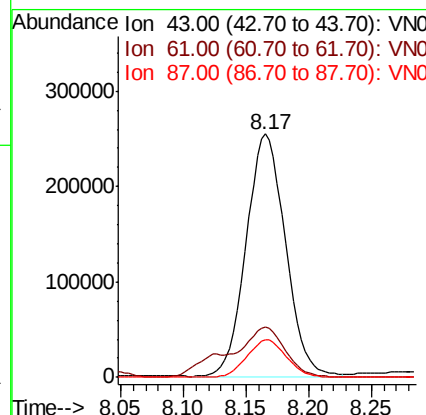
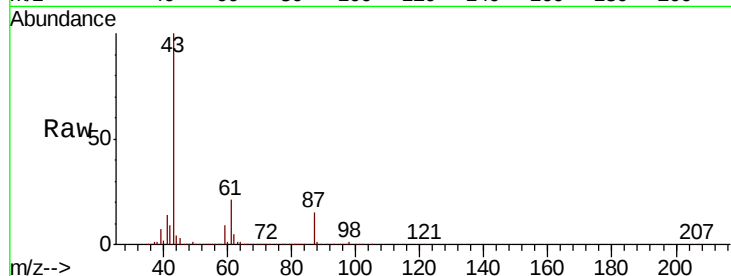
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	553378
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.8	23.6
87	15.8	12.6	19.0

Manual Integrations
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10/8/2018 1:53:09 PM



#44

Trichloroethene

Concen: 49.425 ug/l

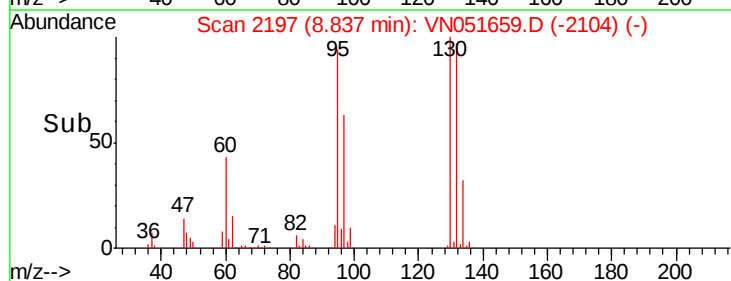
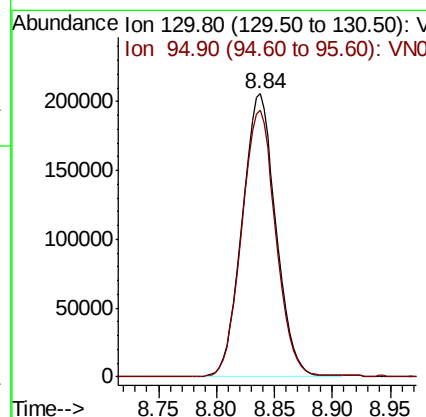
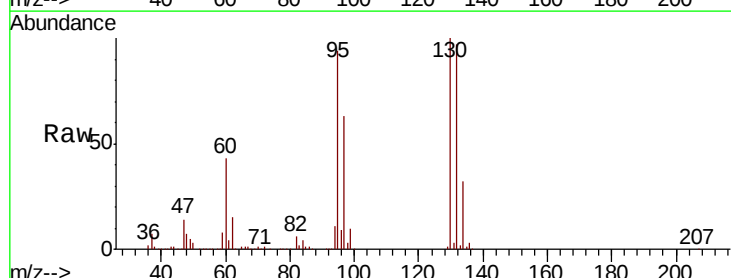
RT: 8.84 min Scan# 2197

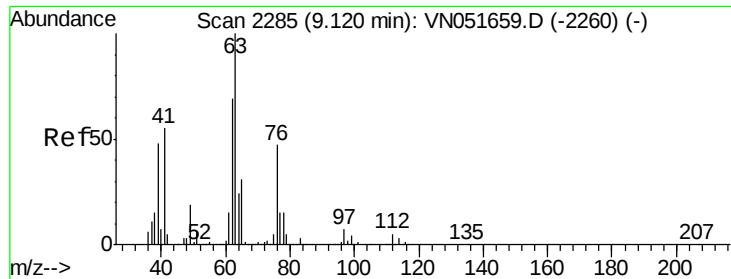
Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

Tgt Ion:	130	Resp:	416652
Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	188.0





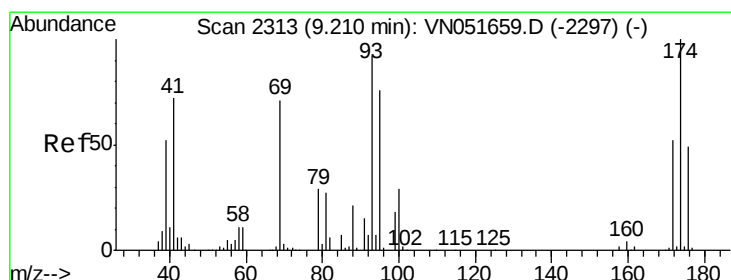
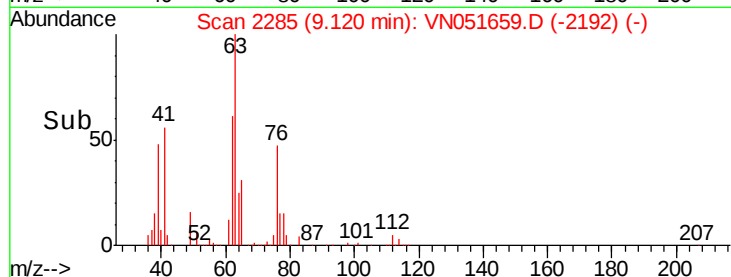
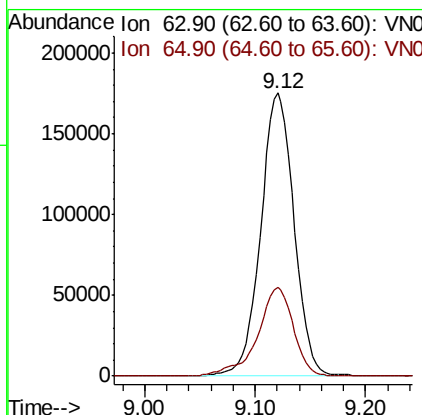
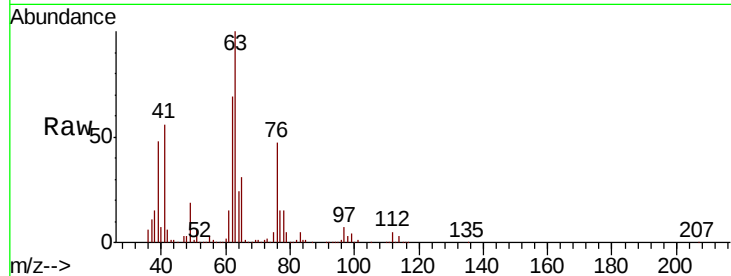
#45
 1,2-Dichloropropane
 Concen: 50.060 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051659.D
 Acq: 4 Oct 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 367458
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4

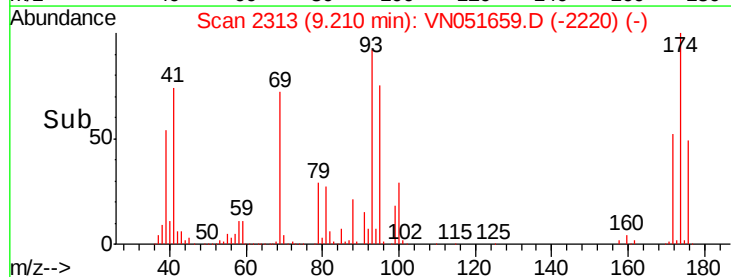
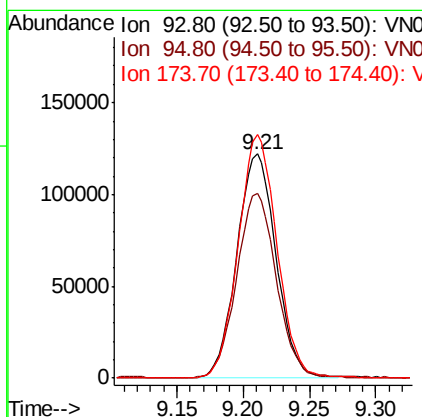
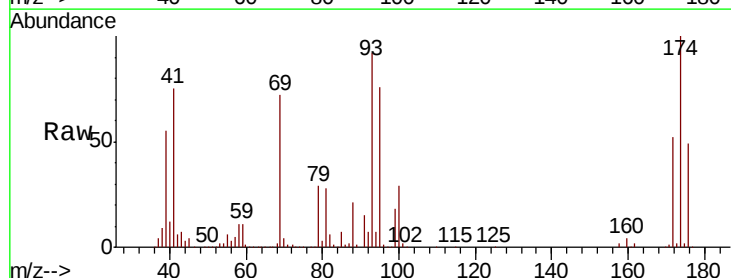
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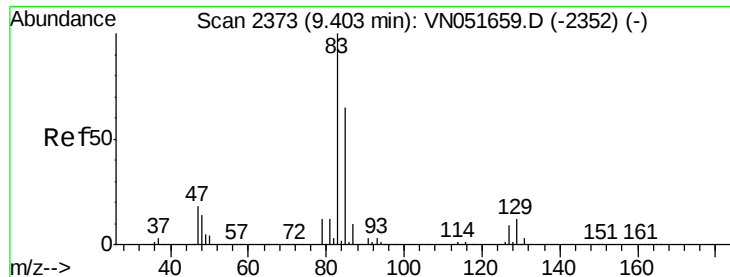
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#46
 Dibromomethane
 Concen: 49.260 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051659.D
 Acq: 4 Oct 2018 11:40

Tgt Ion: 93 Resp: 251330
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 107.4 85.9 128.9





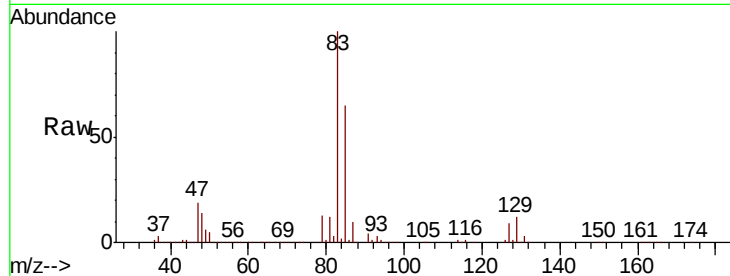
#47
Bromodichloromethane
Concen: 50.423 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

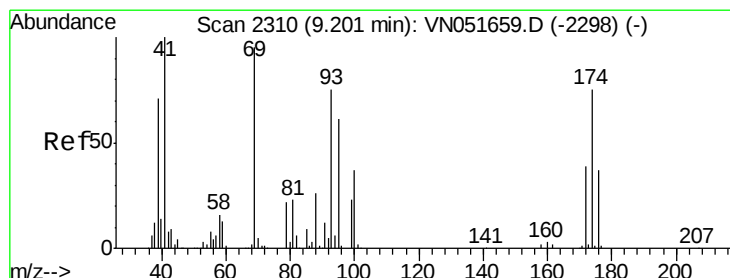
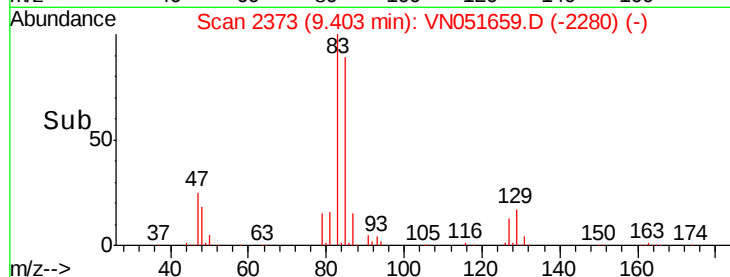
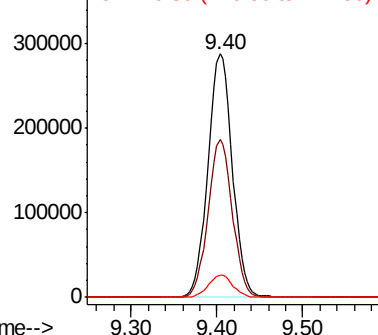
Tot Ion	83	Resp	566335
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	51.6	77.4
127	9.1	7.3	10.9

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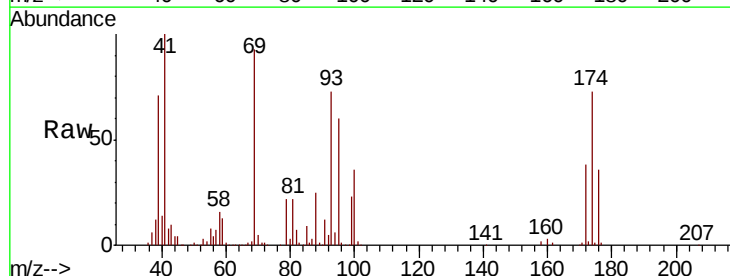


Abundance Ion 82.90 (82.60 to 83.60): VN051659.D (-2352) (-)

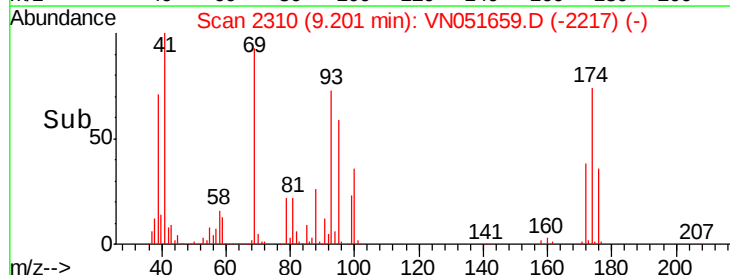
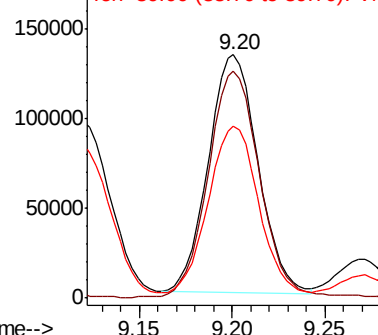


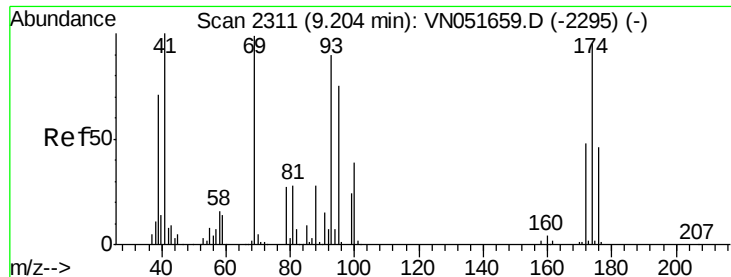
#48
Methyl methacrylate
Concen: 49.740 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion	41	Resp	247514
Ion Ratio	100	Lower	Upper
41	100		
69	98.3	78.6	118.0
39	74.0	59.2	88.8



Abundance Ion 41.00 (40.70 to 41.70): VN051659.D (-2298) (-)





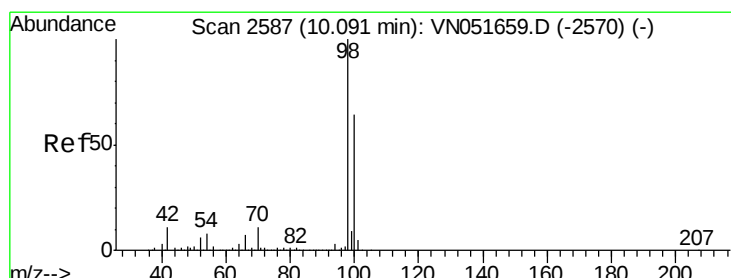
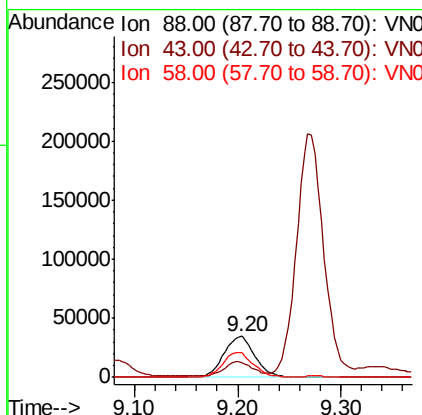
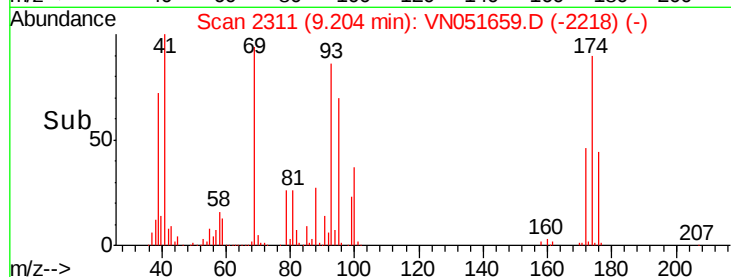
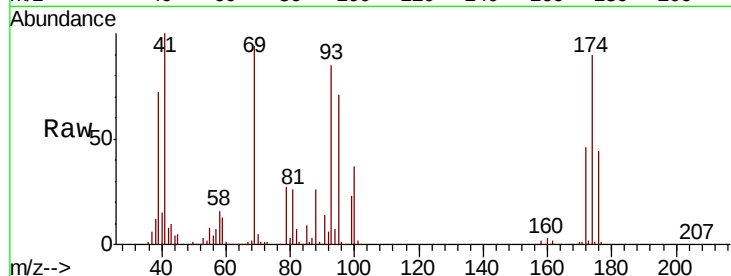
#49
1,4-Dioxane
Concen: 982.693 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	24.5	36.7
58	59.5	47.6	71.4

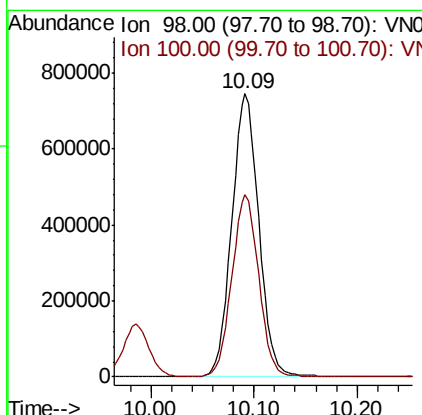
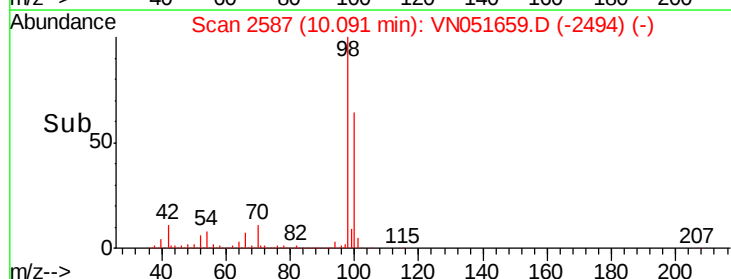
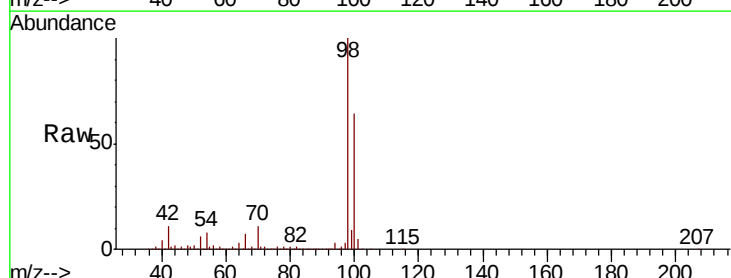
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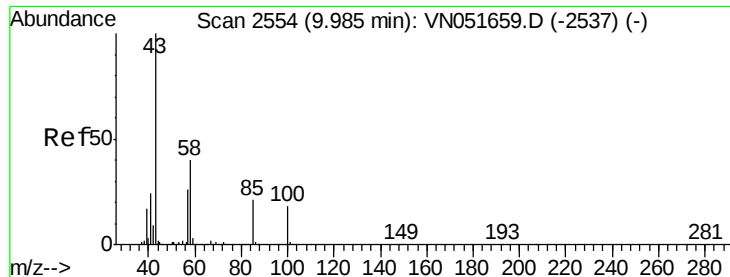
MMDadoda
10/8/2018 1:53:09 PM



#50
Toluene-d8
Concen: 982.693 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 251.996 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1390594

Ion Ratio Lower Upper

43 100

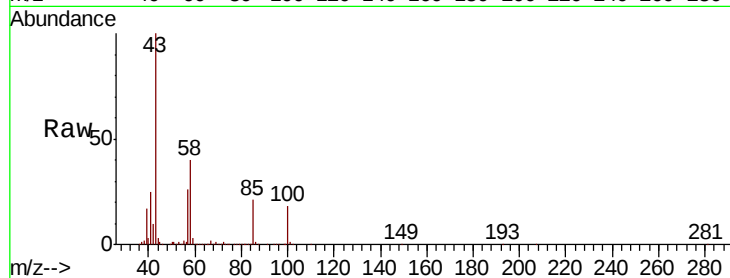
58 40.2 32.2 48.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

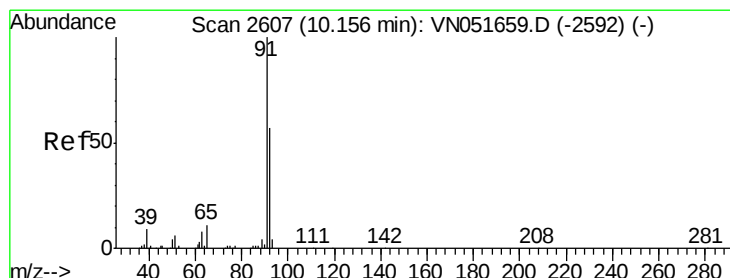
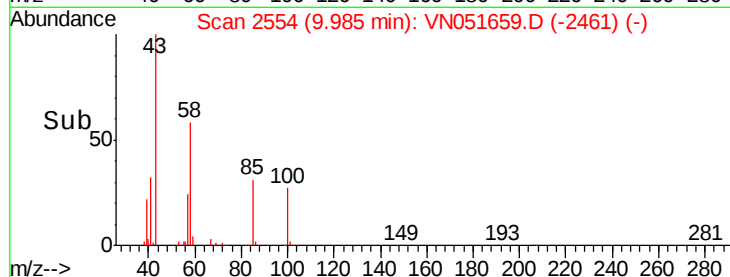
400000

200000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 51.753 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051659.D

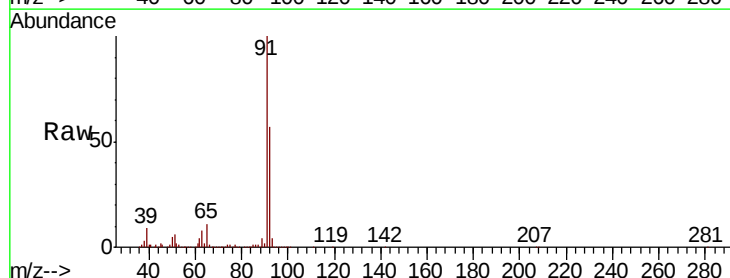
Acq: 4 Oct 2018 11:40

Tgt Ion: 92 Resp: 1021927

Ion Ratio Lower Upper

92 100

91 175.4 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

1000000

800000

600000

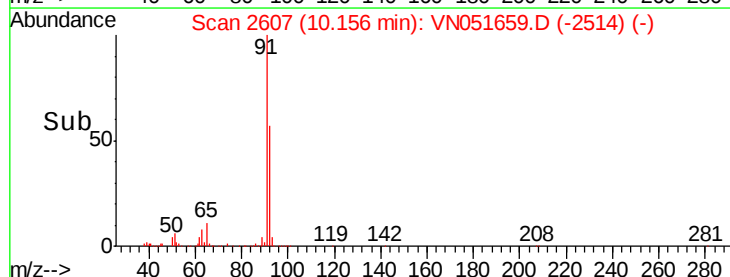
400000

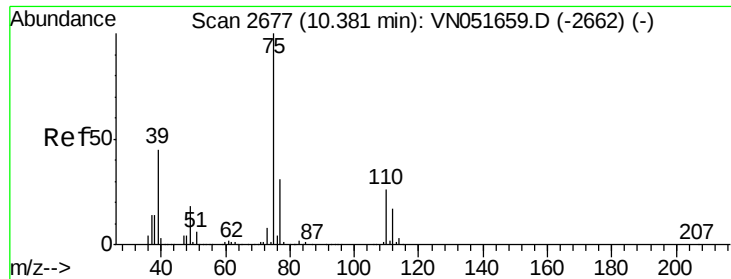
200000

0

10.10 10.16 10.20

Time-->





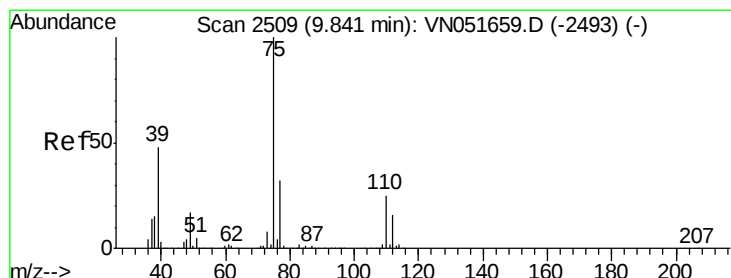
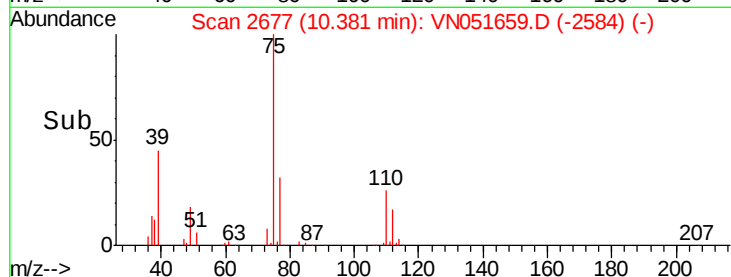
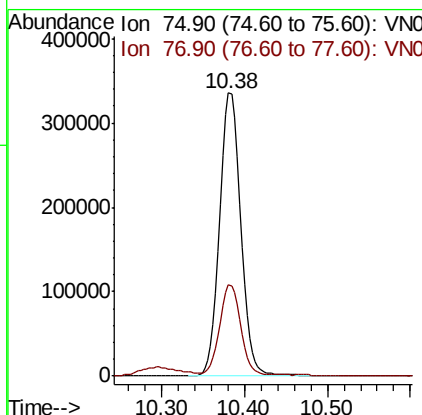
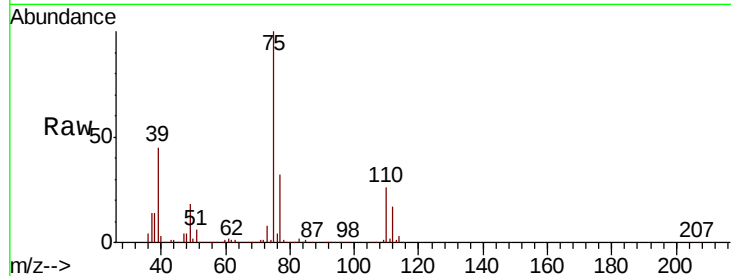
#53
t-1,3-Dichloropropene
Concen: 51.242 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3

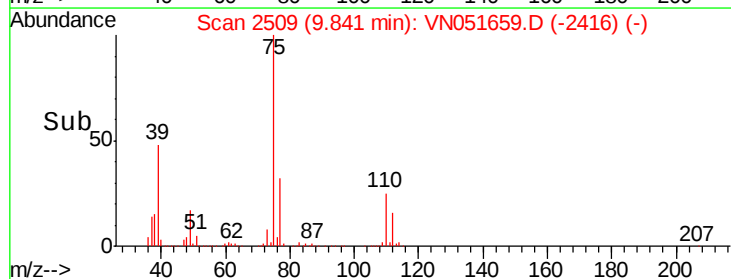
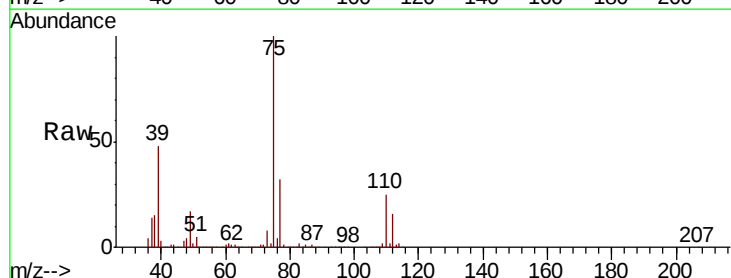
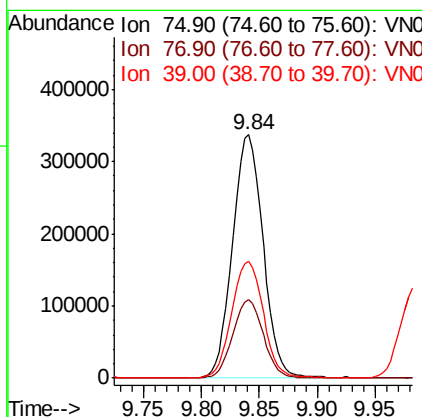
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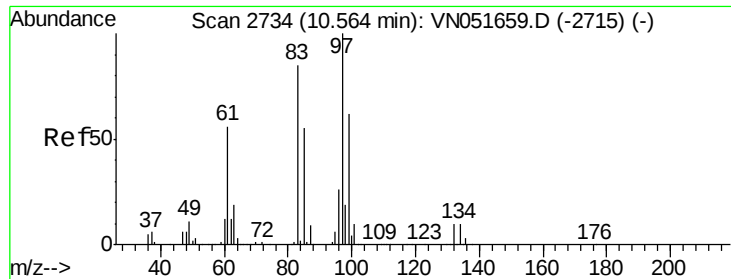
MMDadoda
10/8/2018 1:53:09 PM



#54
cis-1,3-Dichloropropene
Concen: 50.211 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5
39	47.6	38.1	57.1





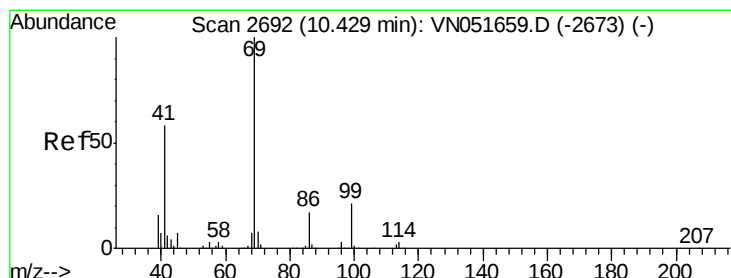
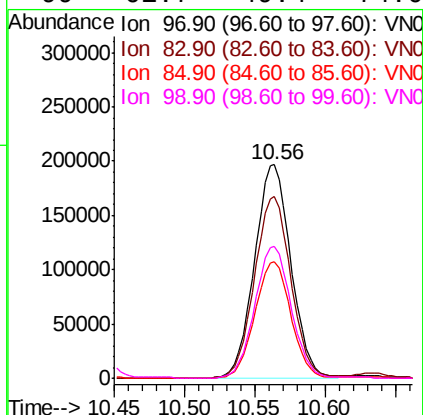
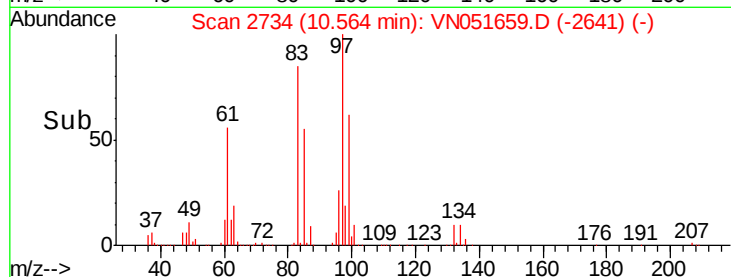
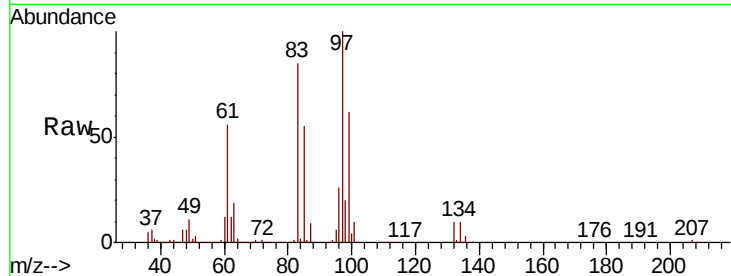
#55
 1,1,2-Trichloroethane
 Concen: 50.287 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051659.D
 Acq: 4 Oct 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.1	68.1	102.1	
85	54.5	43.6	65.4	
99	61.7	49.4	74.0	

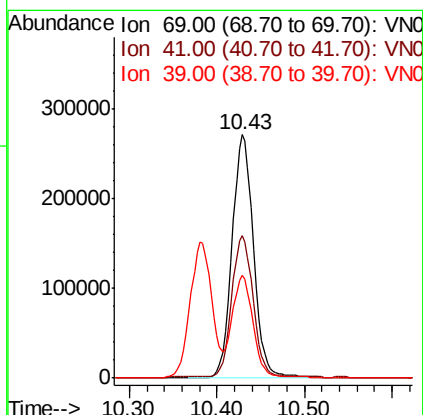
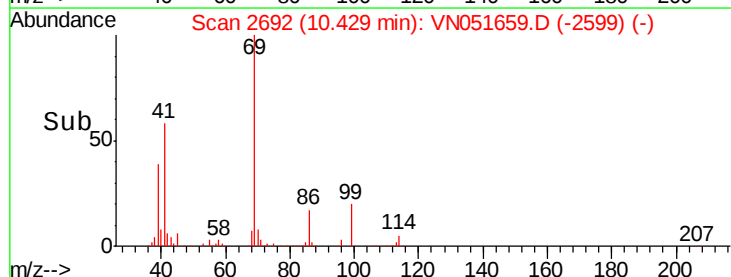
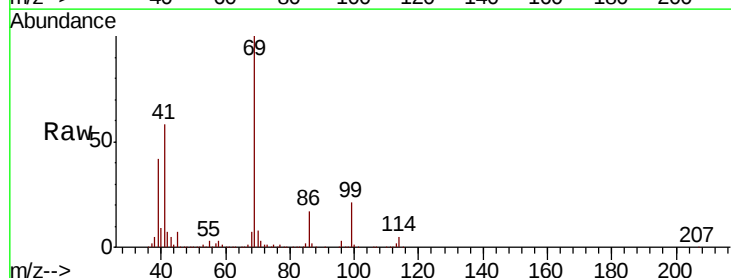
Manual Integrations
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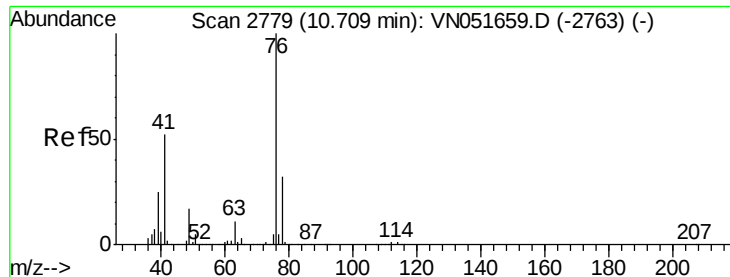
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 51.779 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051659.D
 Acq: 4 Oct 2018 11:40

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	58.0	46.4	69.6	
39	40.5	32.4	48.6	





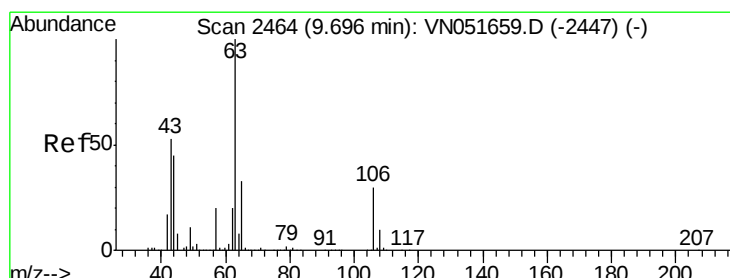
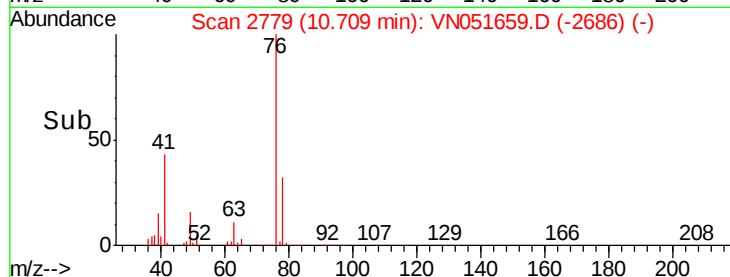
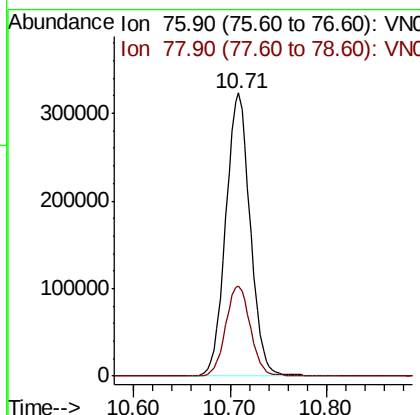
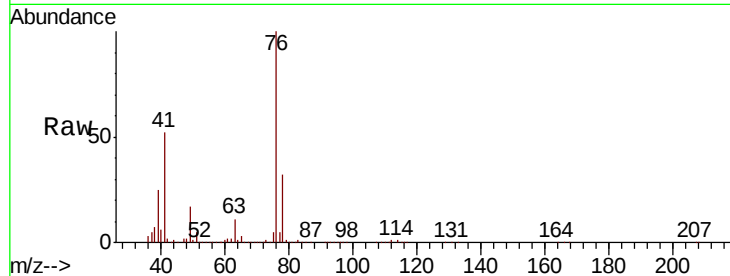
#57
 1,3-Dichloropropane
 Concen: 50.863 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051659.D
 Acq: 4 Oct 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 566266
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.0 39.0

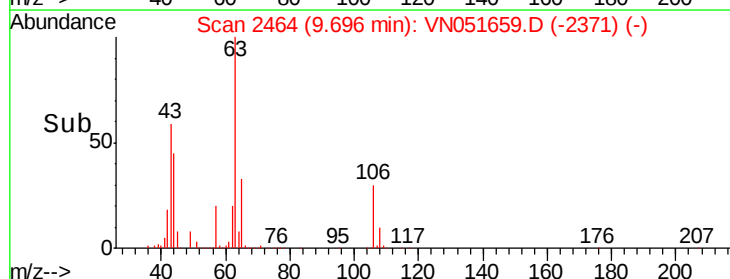
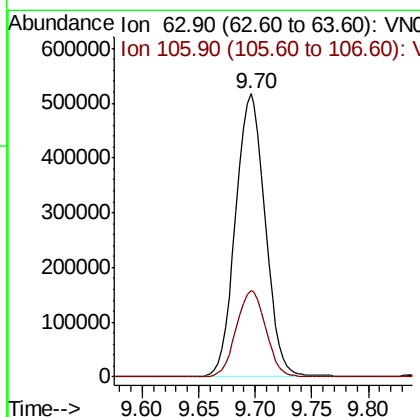
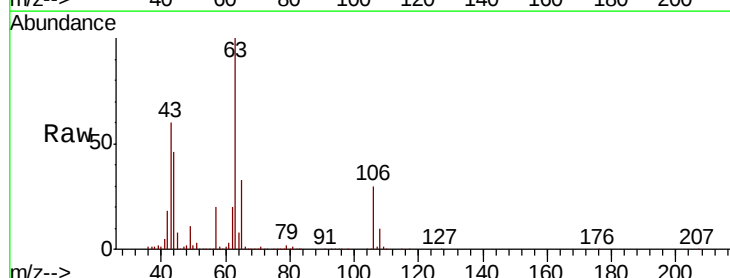
Manual Integrations
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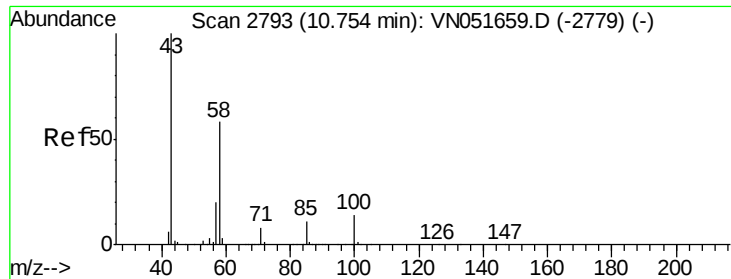
MMDadoda
 10/8/2018 1:53:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.743 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051659.D
 Acq: 4 Oct 2018 11:40

Tgt Ion: 63 Resp: 948904
 Ion Ratio Lower Upper
 63 100
 106 30.4 24.3 36.5





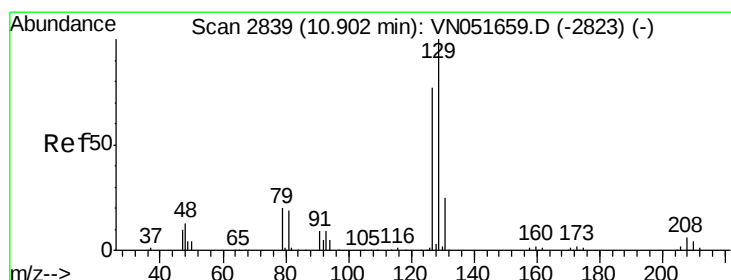
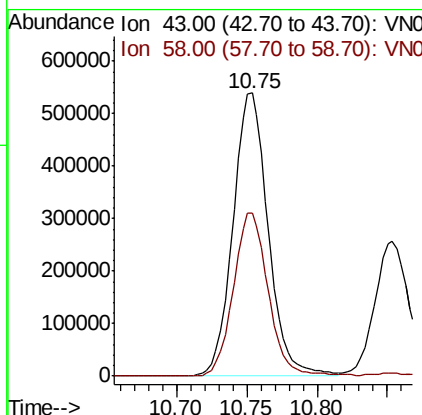
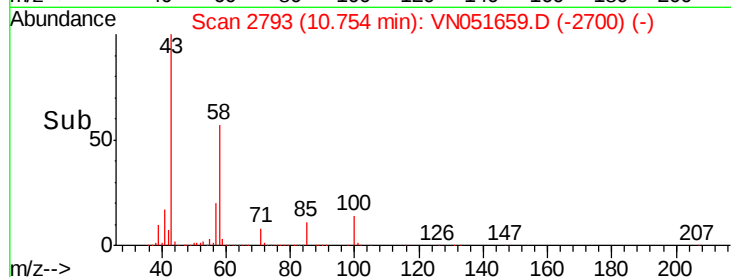
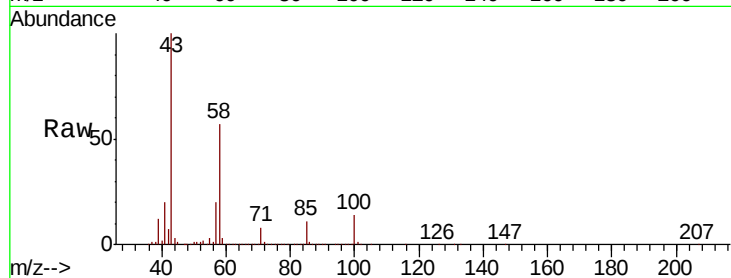
#59
2-Hexanone
Concen: 249.236 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 934053
Ion Ratio Lower Upper
43 100
58 57.6 28.8 86.4

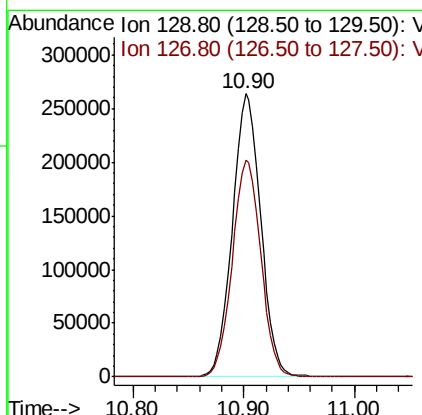
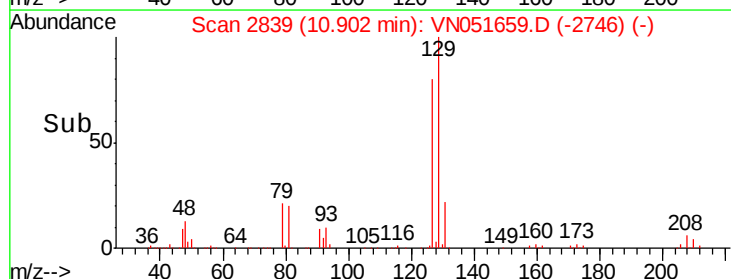
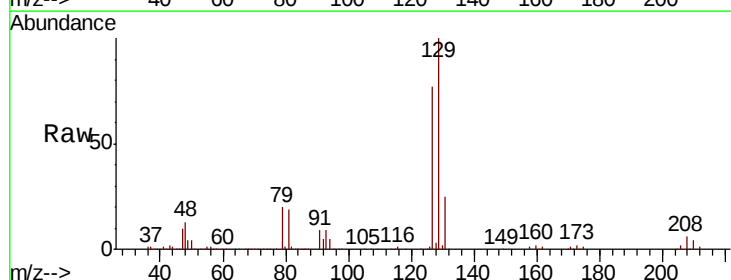
Manual Integrations
APPROVED

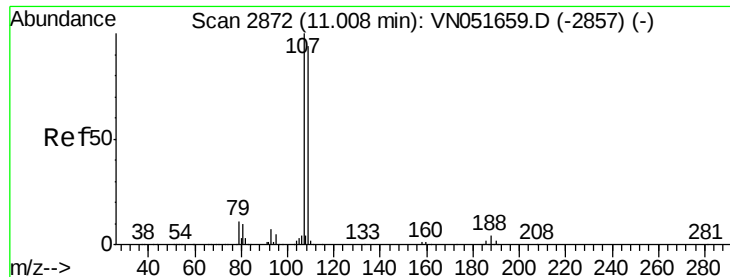
MMDadoda
10/8/2018 1:53:09 PM



#60
Dibromochloromethane
Concen: 51.093 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion: 129 Resp: 470336
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.7





#61

1,2-Dibromoethane

Concen: 51.238 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 381020

Ion Ratio Lower Upper

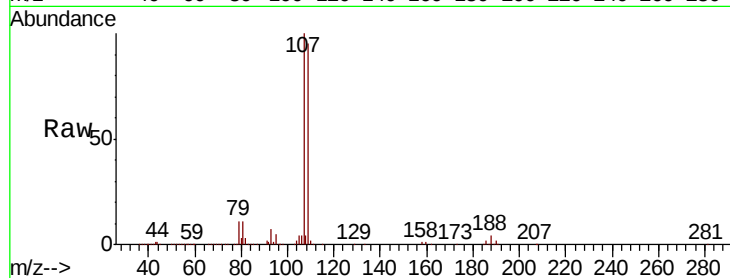
107 100

109 94.2 75.4 113.0

Manual Integrations
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10/8/2018 1:53:09 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

200000

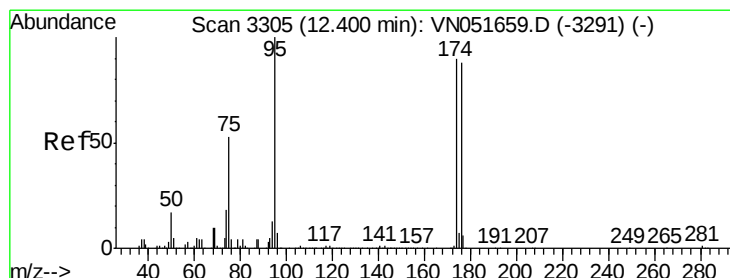
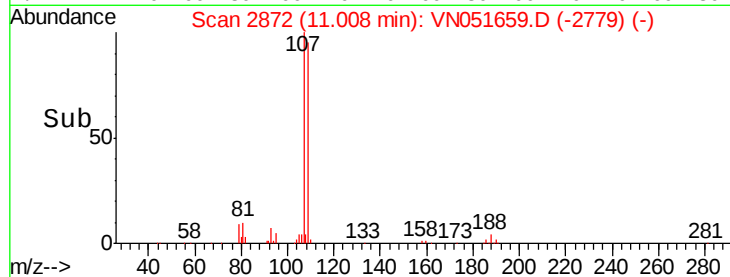
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.238 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

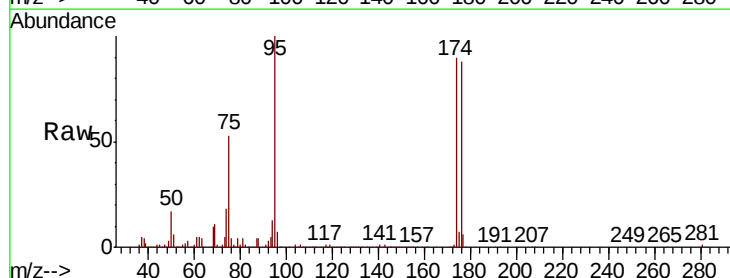
Tgt Ion: 95 Resp: 492300

Ion Ratio Lower Upper

95 100

174 91.4 0.0 182.8

176 88.2 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

400000

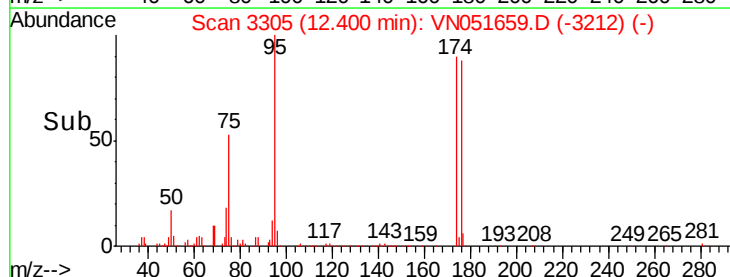
300000

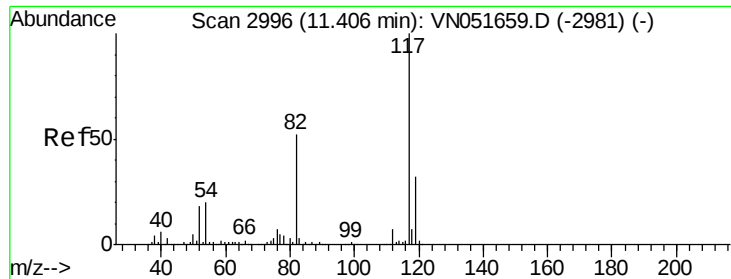
200000

100000

0

Time-->





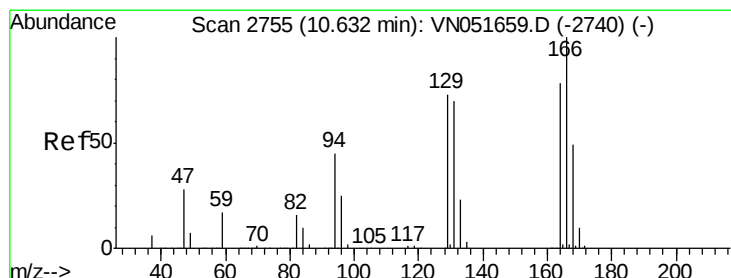
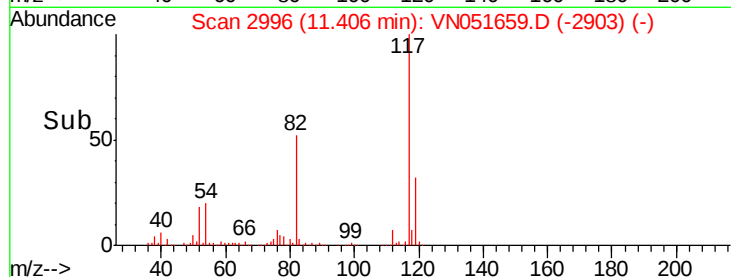
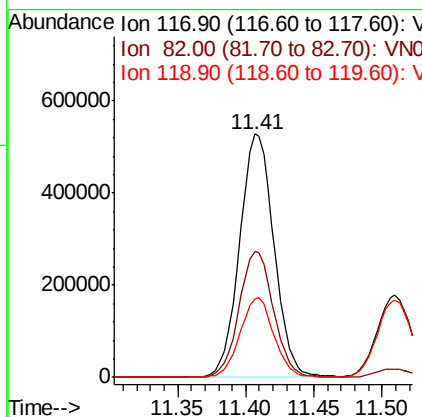
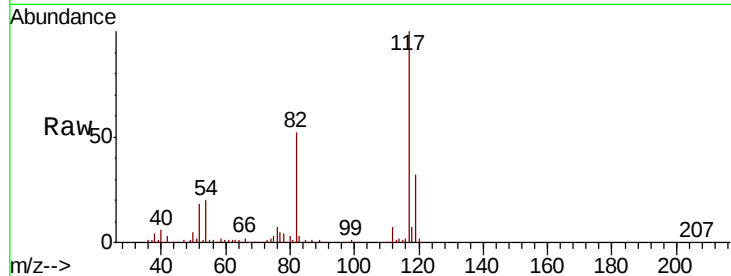
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.3	61.9
119	32.4	25.9	38.9

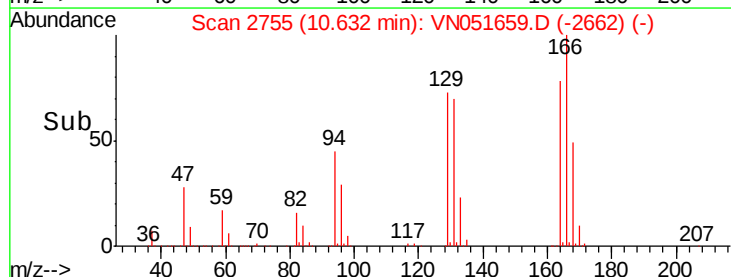
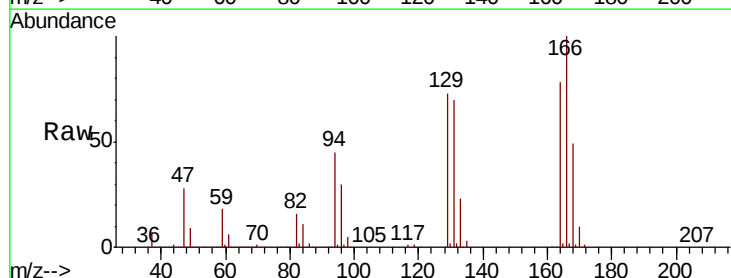
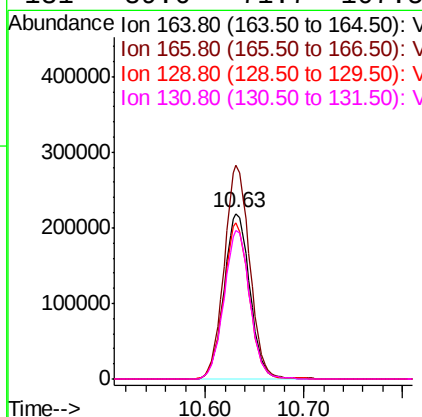
Manual Integrations
APPROVED

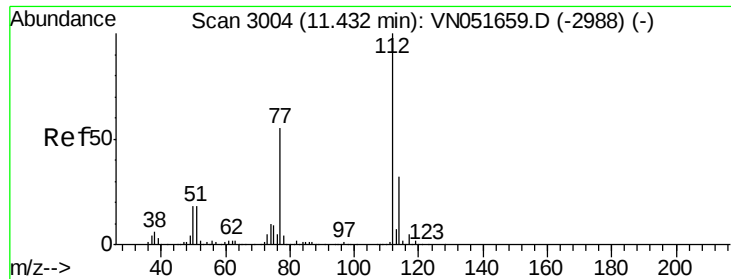
MMDadoda
10/8/2018 1:53:09 PM



#64
Tetrachloroethene
Concen: 49.147 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	103.0	154.6
129	94.0	75.2	112.8
131	89.6	71.7	107.5





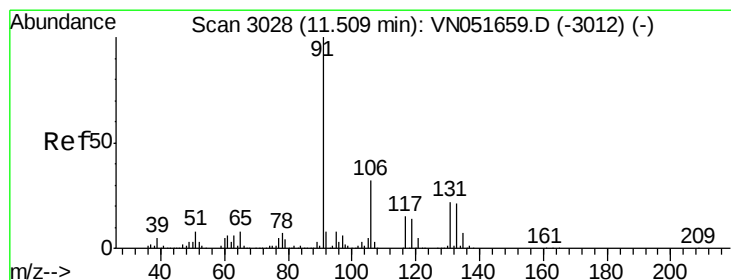
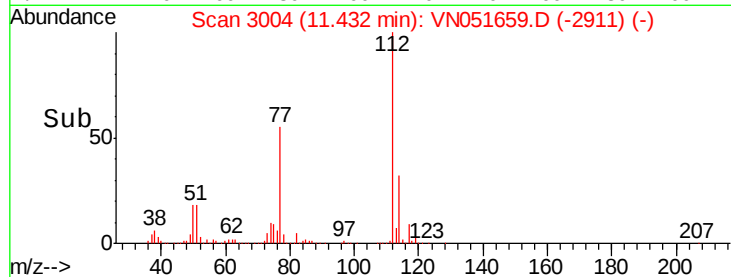
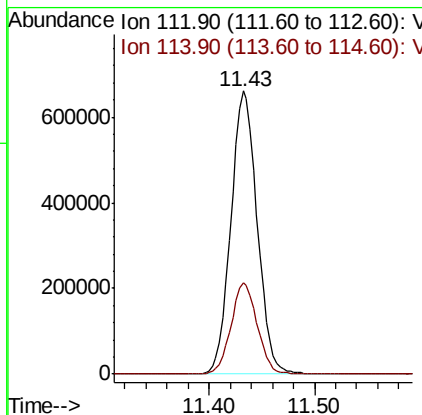
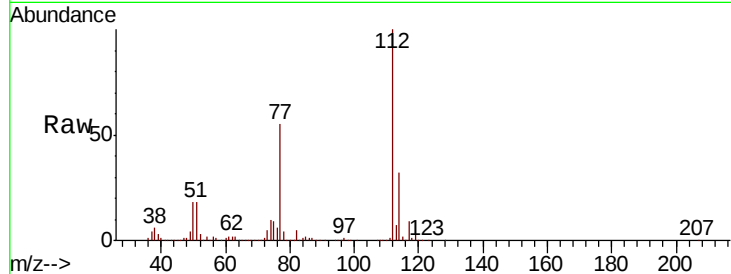
#65
Chlorobenzene
Concen: 49.679 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1138997
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

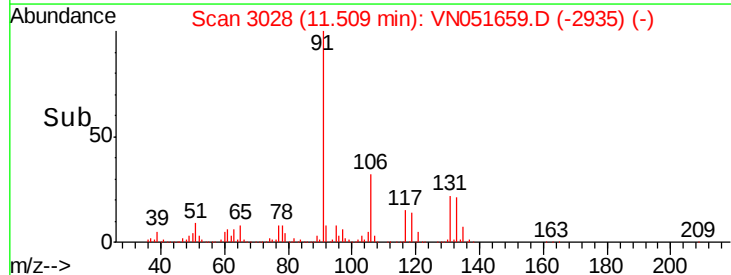
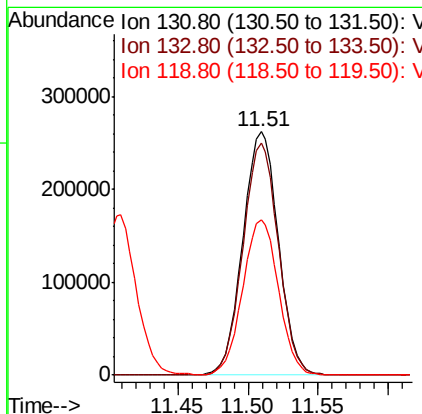
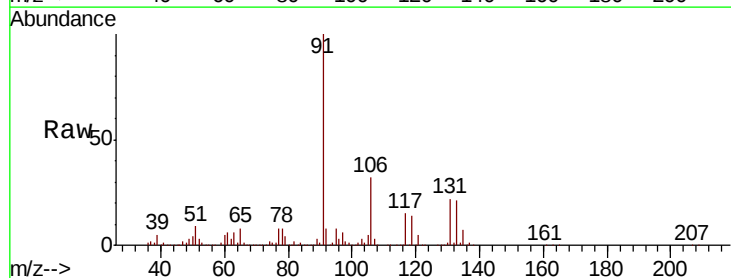
Manual Integrations
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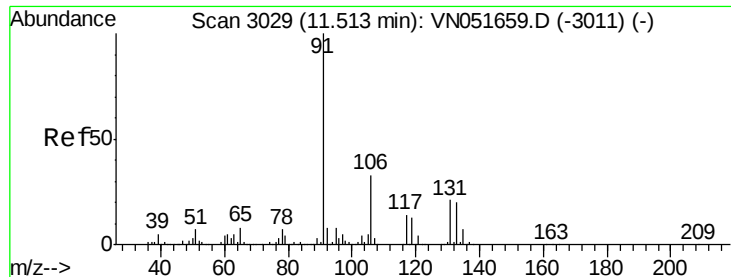
MMDadoda
10/8/2018 1:53:09 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.549 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion:131 Resp: 464049
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.8
119 64.0 32.0 96.0





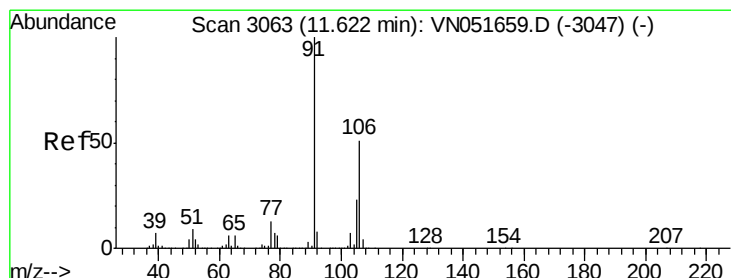
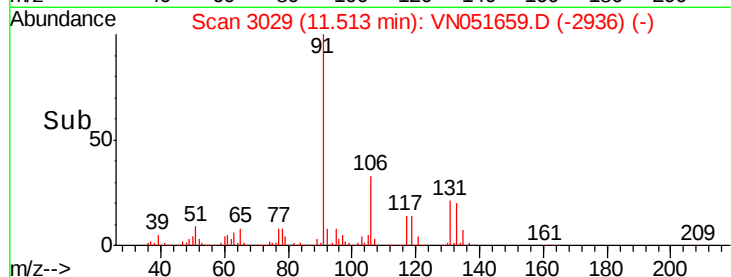
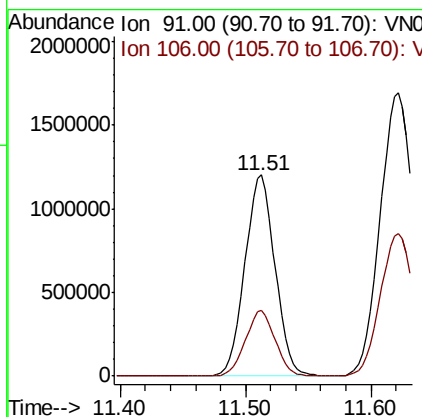
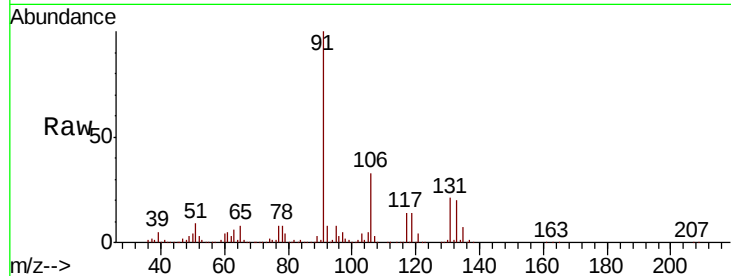
#67
Ethyl Benzene
Concen: 50.677 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 2008242
Ion Ratio Lower Upper
91 100
106 32.5 26.0 39.0

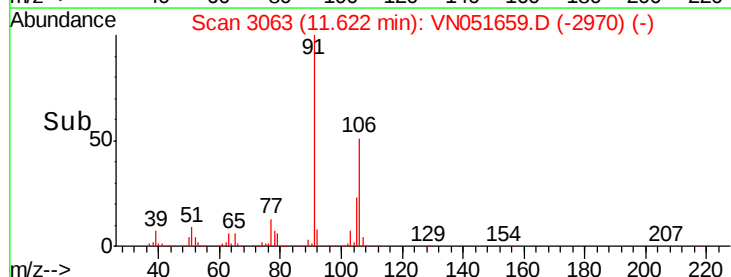
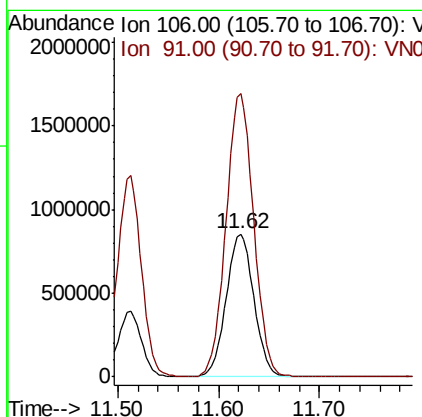
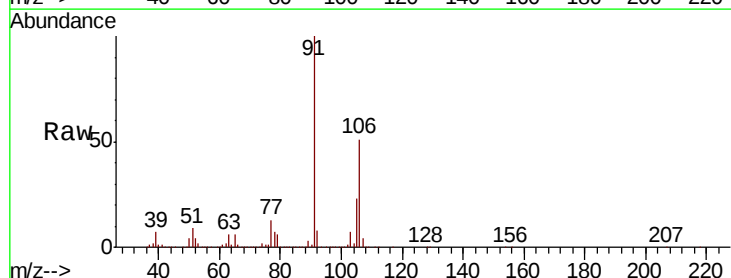
Manual Integrations
APPROVED

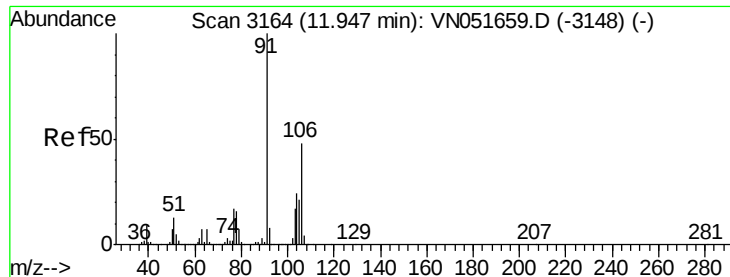
MMDadoda
10/8/2018 1:53:09 PM



#68
m/p-Xylenes
Concen: 103.119 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion: 106 Resp: 1635056
Ion Ratio Lower Upper
106 100
91 198.0 158.4 237.6





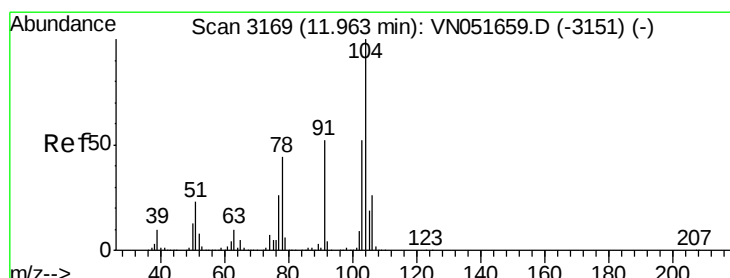
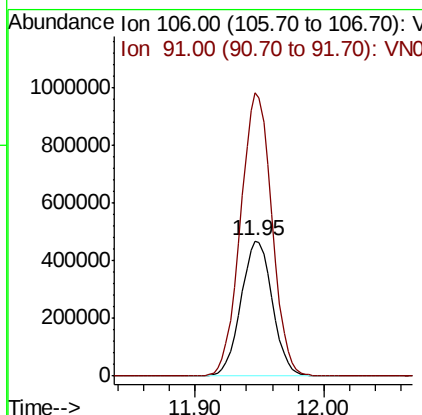
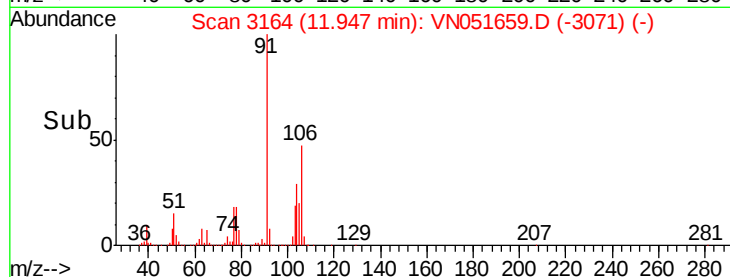
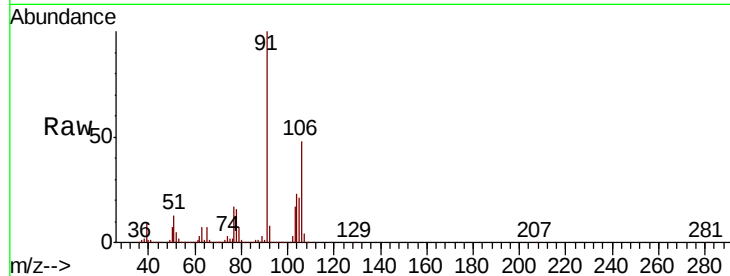
#69
o-Xylene
Concen: 51.120 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 794913
Ion Ratio Lower Upper
106 100
91 208.8 104.4 313.2

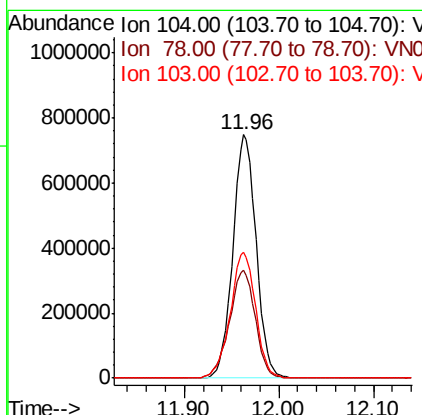
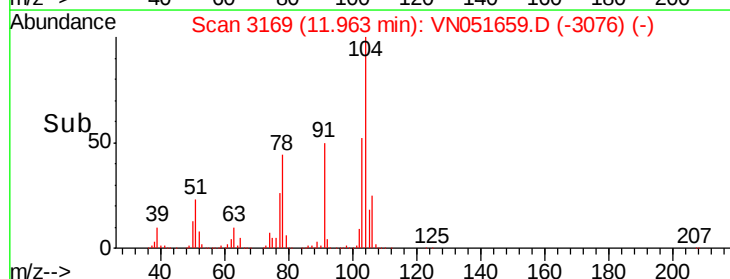
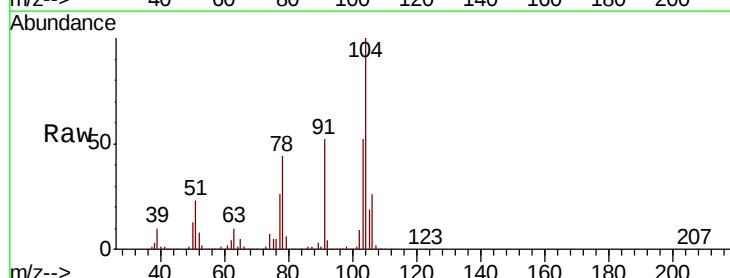
Manual Integrations
APPROVED

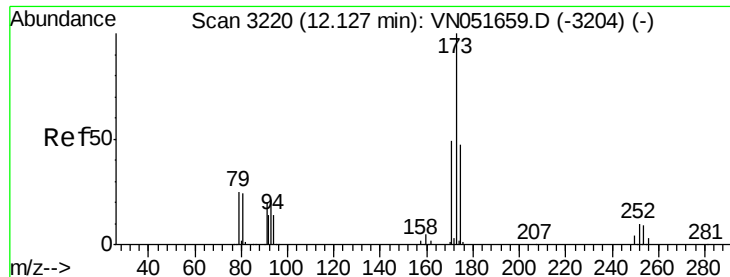
MMDadoda
10/8/2018 1:53:09 PM



#70
Styrene
Concen: 51.484 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion:104 Resp: 1275685
Ion Ratio Lower Upper
104 100
78 49.1 39.3 58.9
103 56.3 45.0 67.6





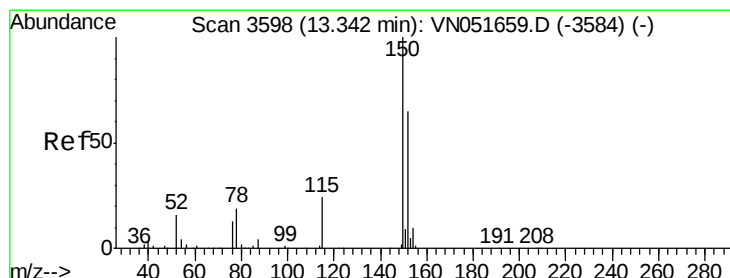
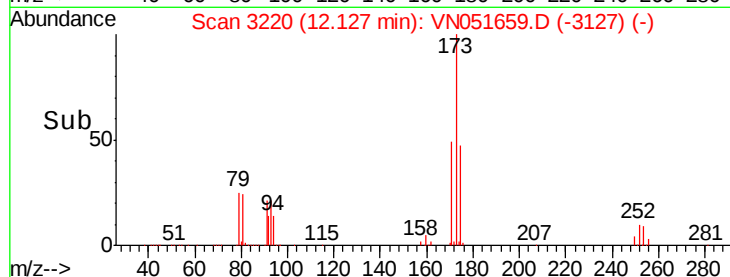
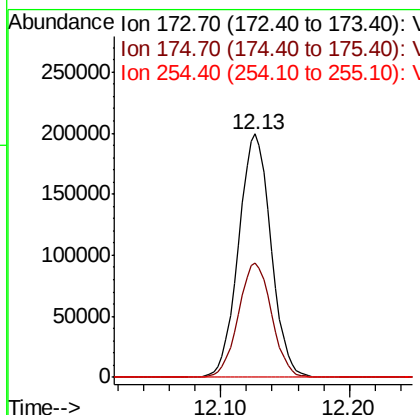
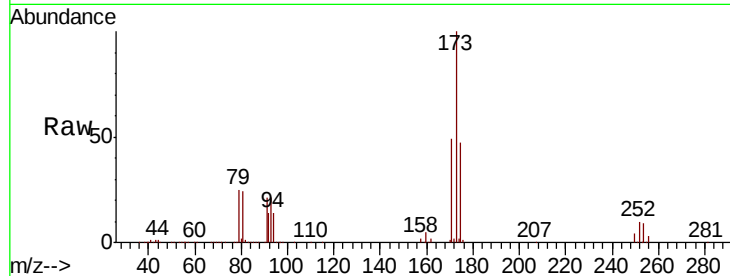
#71
Bromoform
Concen: 50.956 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.0	72.0
254	0.1	0.1	0.1

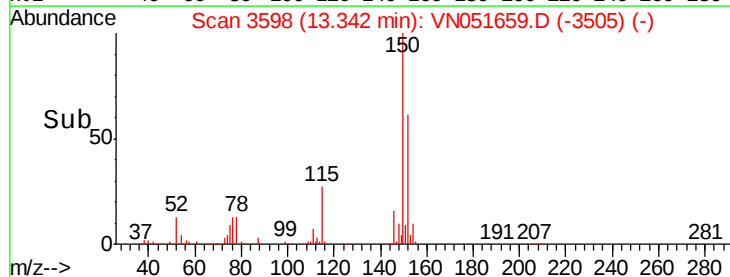
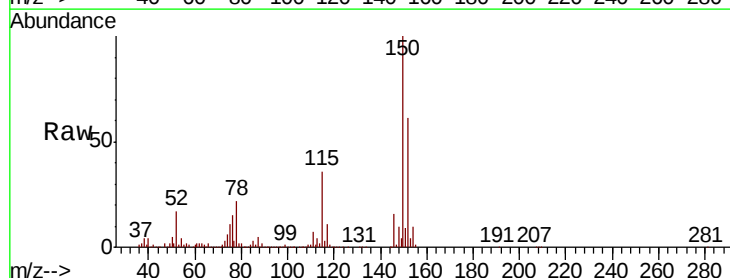
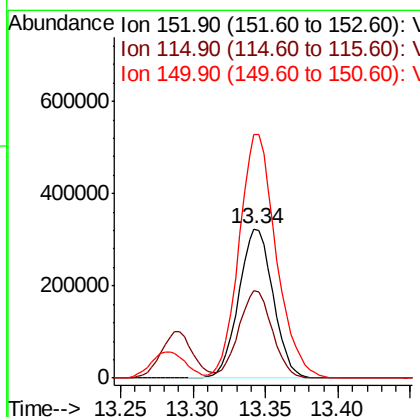
Manual Integrations
APPROVED

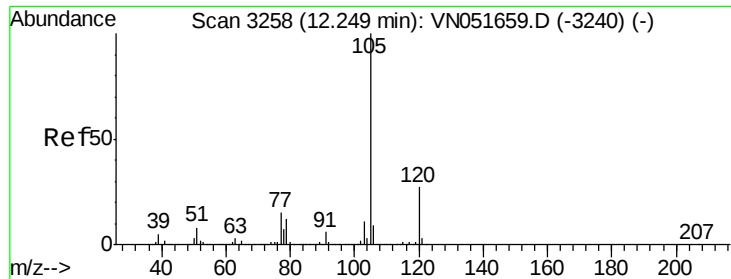
MMDadoda
10/8/2018 1:53:09 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.6	85.8
150	176.2	0.0	352.4





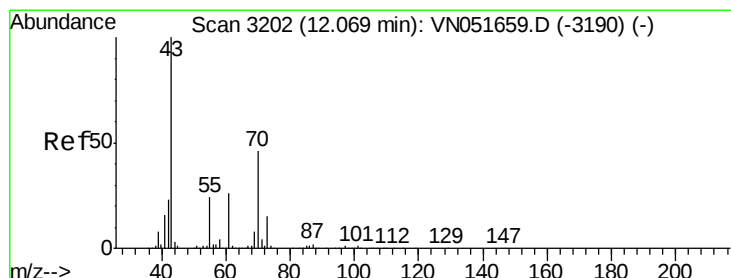
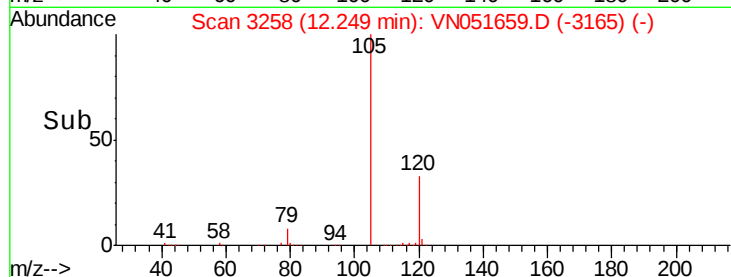
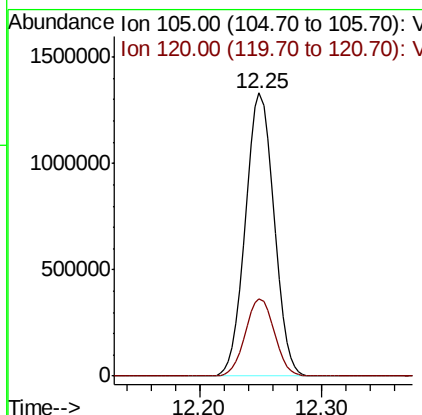
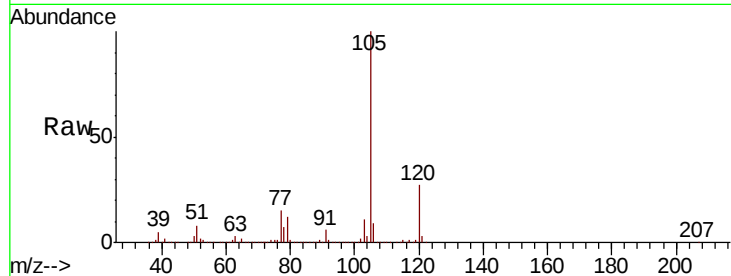
#73
Isopropylbenzene
Concen: 47.272 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:105 Resp: 2140418
Ion Ratio Lower Upper
105 100
120 27.7 13.9 41.6

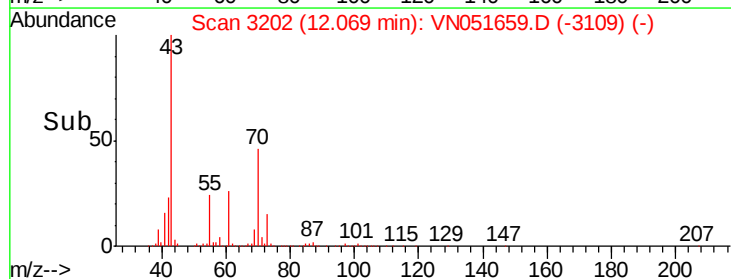
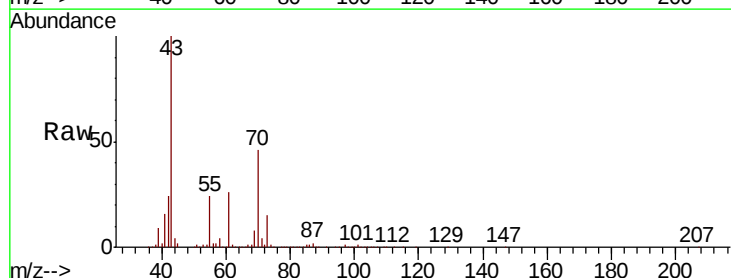
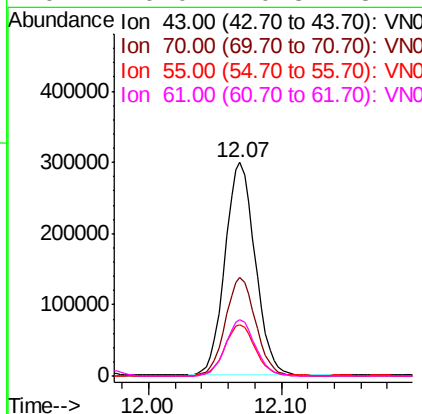
Manual Integrations
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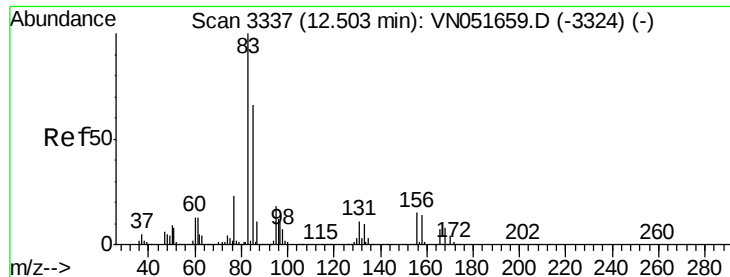
MMDadoda
10/8/2018 1:53:09 PM



#74
N-ethyl acetate
Concen: 45.796 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion: 43 Resp: 472880
Ion Ratio Lower Upper
43 100
70 46.4 37.1 55.7
55 23.9 19.1 28.7
61 26.0 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 45.448 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 443578

Ion Ratio Lower Upper

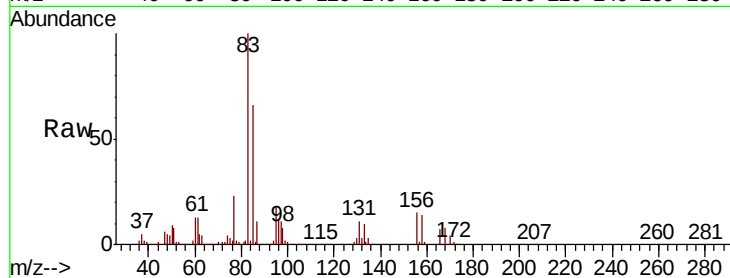
83 100

131 11.4 5.7 17.1

85 65.9 33.0 98.9

Manual Integrations
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MMDadoda
10/8/2018 1:53:09 PM

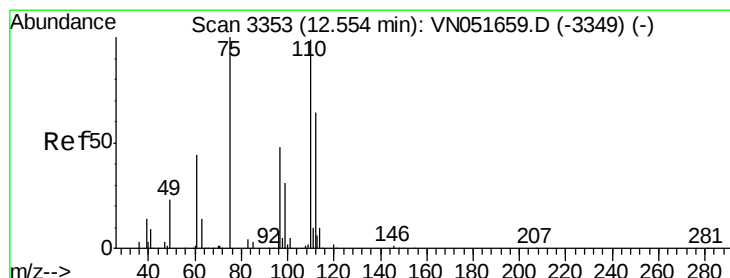
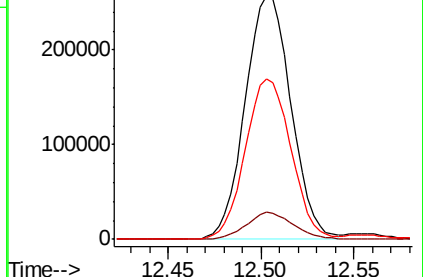
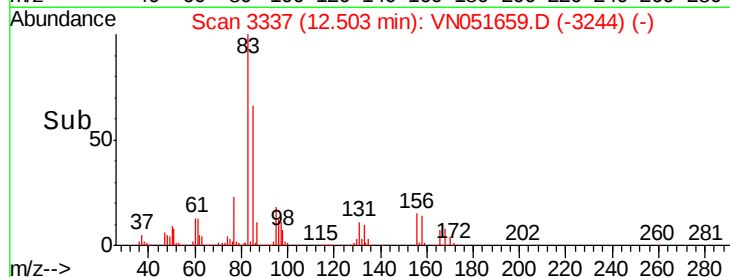


Abundance Ion 82.90 (82.60 to 83.60): VN051659.D (-3324) (-)

Ion 130.80 (130.50 to 131.50): VN051659.D (-3324) (-)

Ion 84.90 (84.60 to 85.60): VN051659.D (-3324) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 45.183 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051659.D

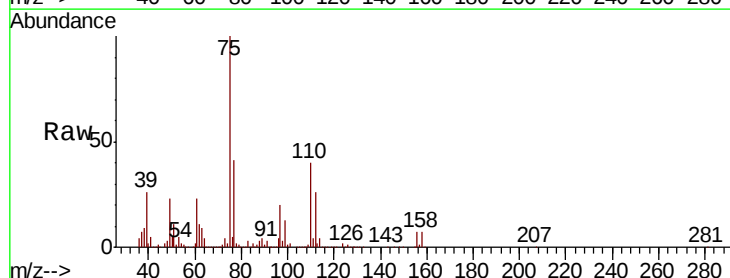
Acq: 4 Oct 2018 11:40

Tgt Ion: 75 Resp: 336606

Ion Ratio Lower Upper

75 100

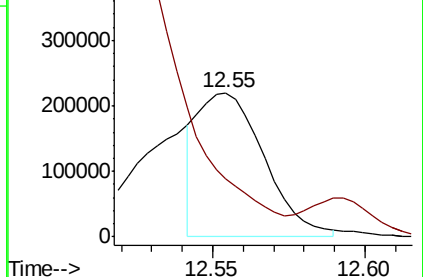
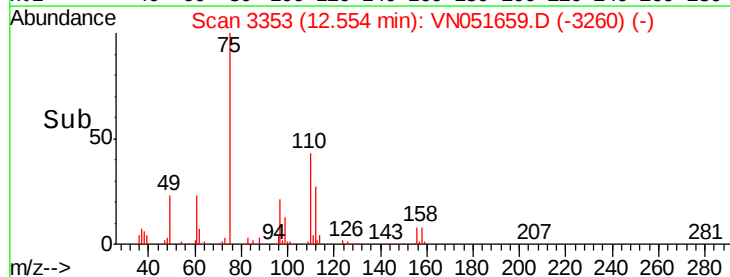
77 0.0 0.0 0.0

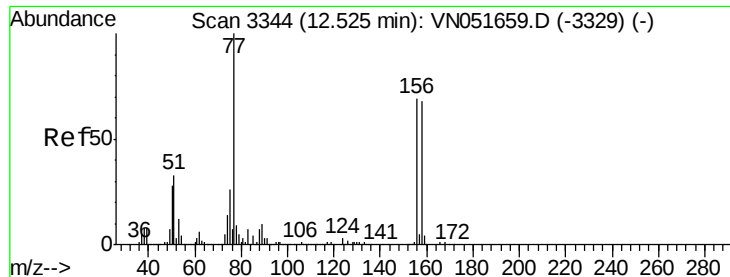


Abundance Ion 74.90 (74.60 to 75.60): VN051659.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN051659.D (-3349) (-)

Time-->





#77

Bromobenzene

Concen: 46.712 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

Instrument :

MSVOA_N

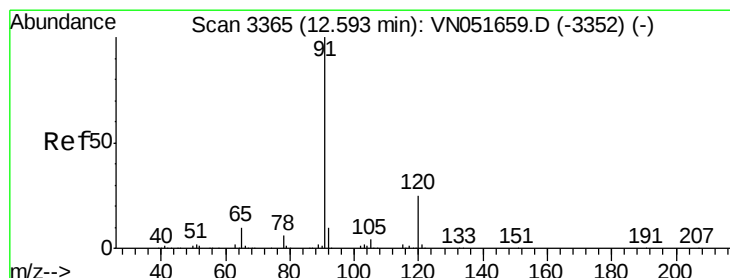
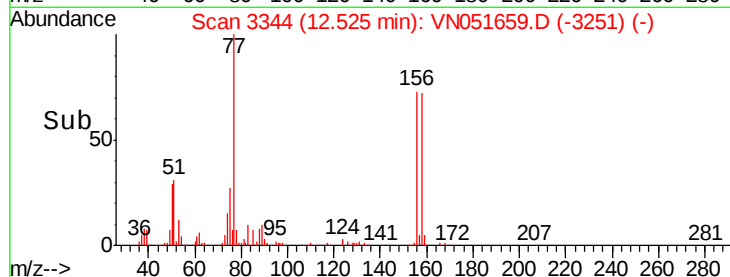
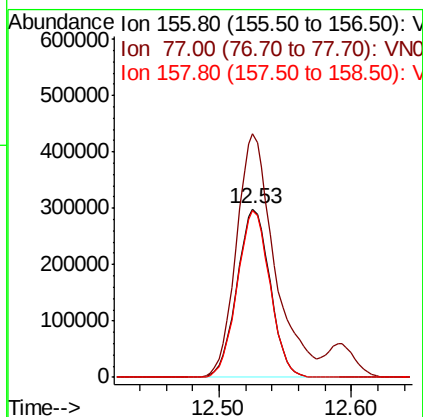
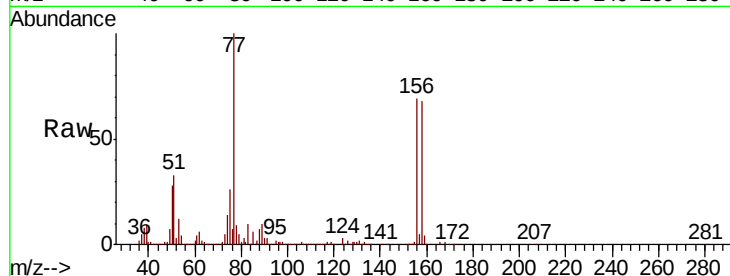
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	517155
Ion Ratio	Lower	Upper	
156	100		
77	166.3	83.2	249.4
158	98.1	49.0	147.2

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#78

n-propylbenzene

Concen: 47.913 ug/l

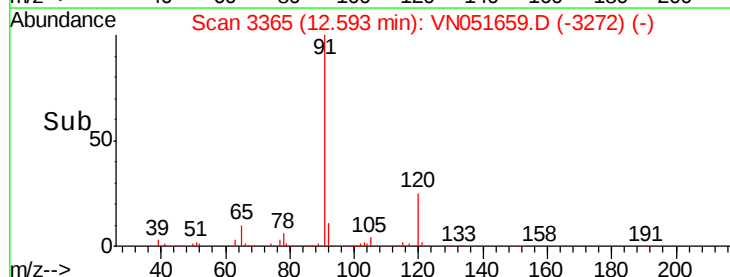
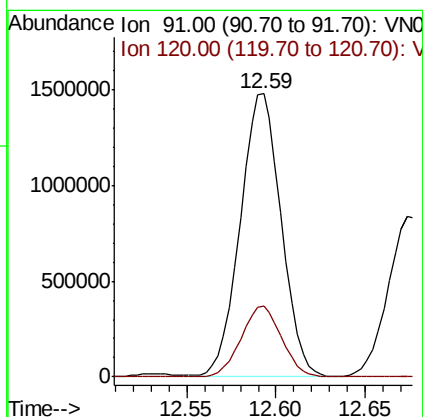
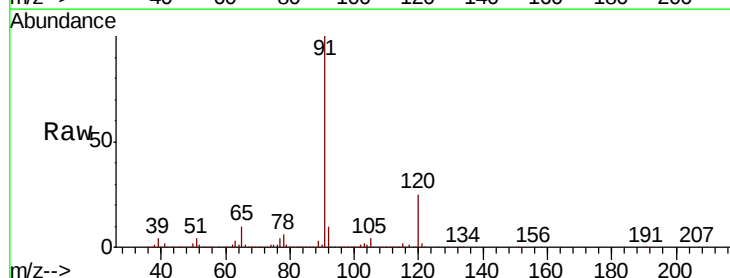
RT: 12.59 min Scan# 3365

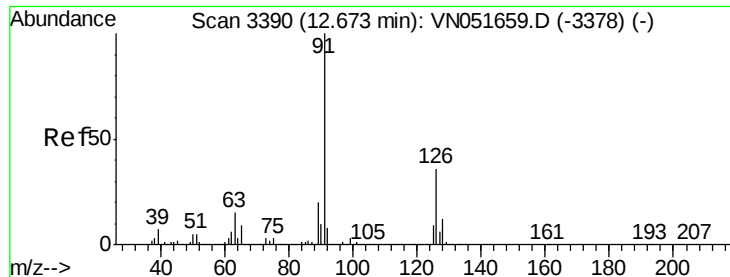
Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

Tgt Ion:	91	Resp:	2366206
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.4	37.2





#79

2-Chlorotoluene

Concen: 47.769 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051659.D

Acq: 4 Oct 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1390363

Ion Ratio Lower Upper

91 100

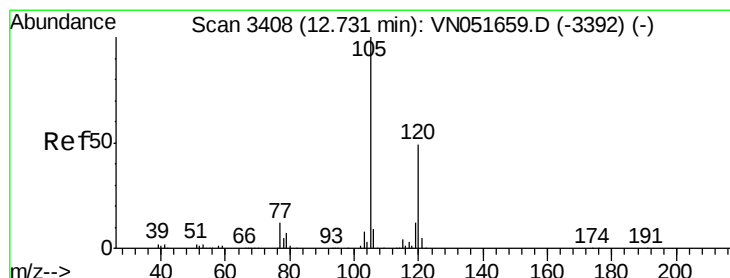
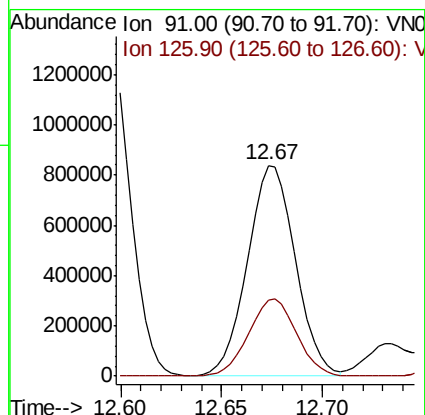
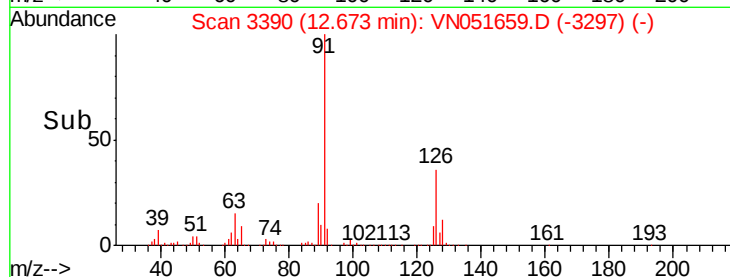
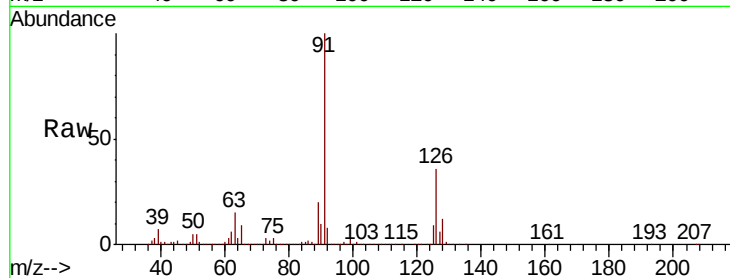
126 37.0 18.5 55.5

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#80

1,3,5-Trimethylbenzene

Concen: 48.343 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051659.D

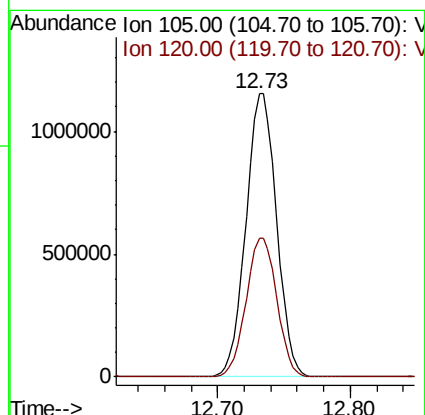
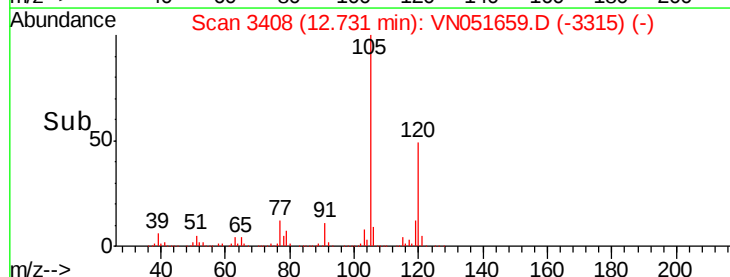
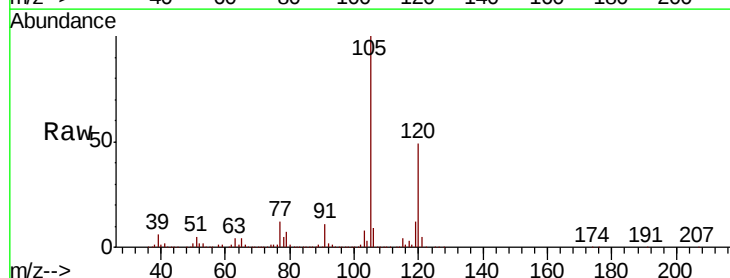
Acq: 4 Oct 2018 11:40

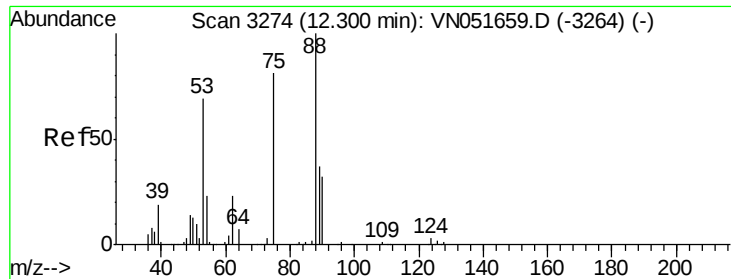
Tgt Ion: 105 Resp: 1844664

Ion Ratio Lower Upper

105 100

120 49.3 24.6 74.0





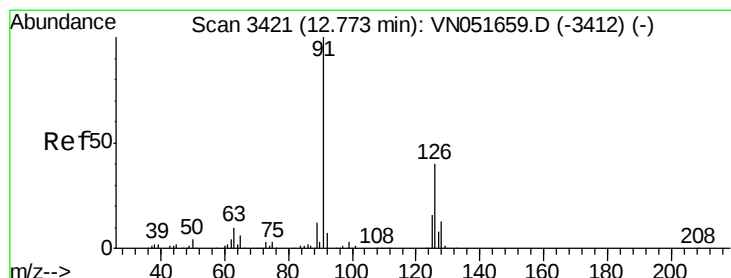
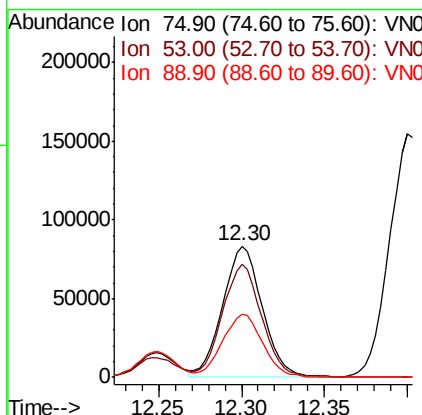
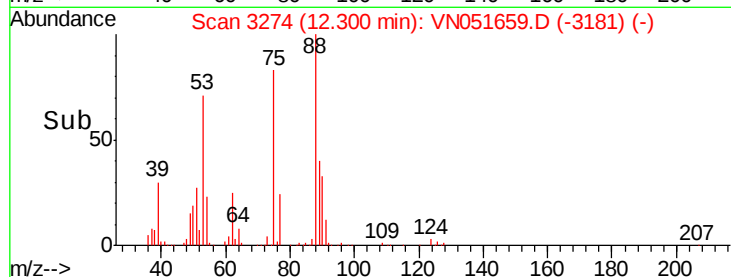
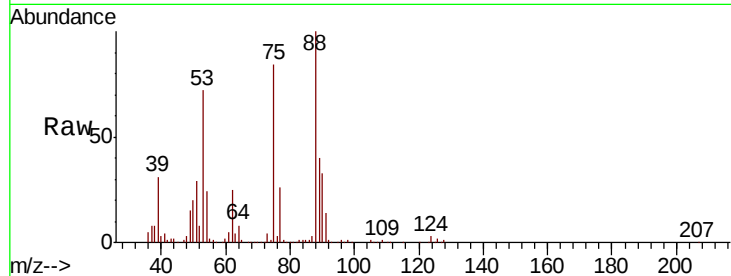
#81
trans-1,4-Dichloro-2-butene
Concen: 47.515 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.7	68.6	102.8
89	49.3	39.4	59.2

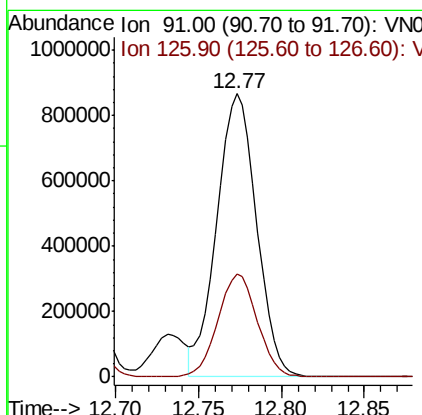
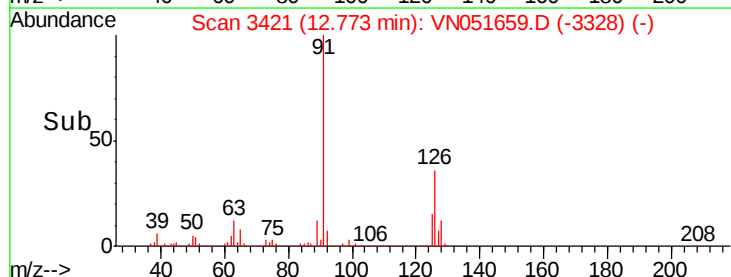
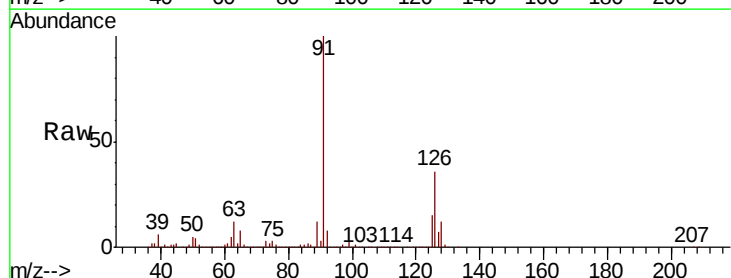
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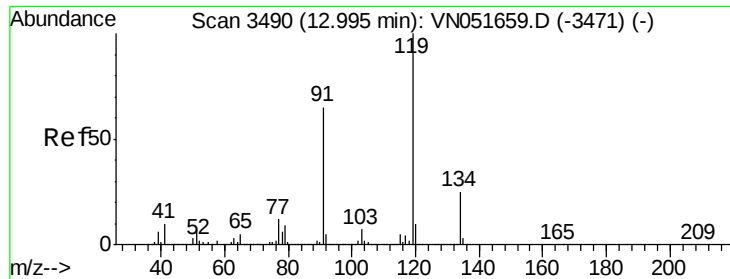
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#82
4-Chlorotoluene
Concen: 49.253 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.0	54.0





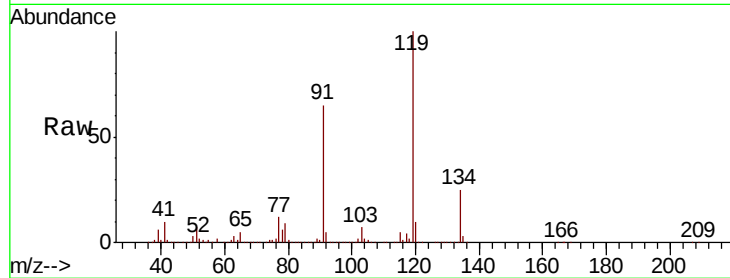
#83
tert-Butylbenzene
Concen: 47.578 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

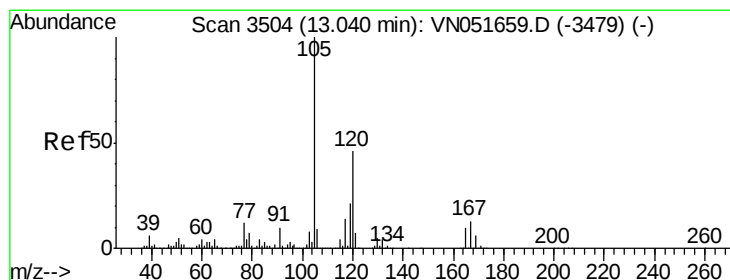
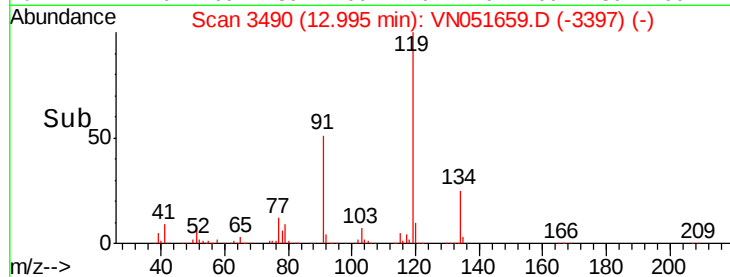
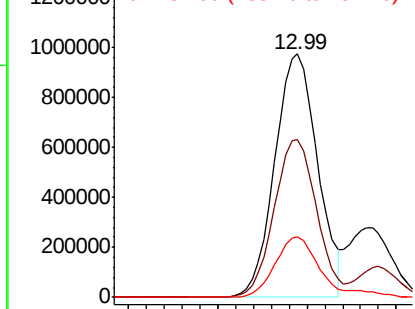
Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.1	96.5
134	26.6	13.3	39.9

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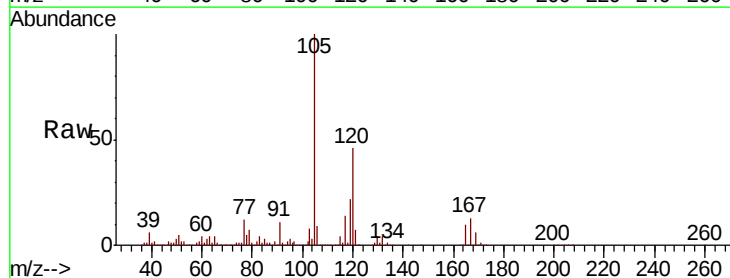


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

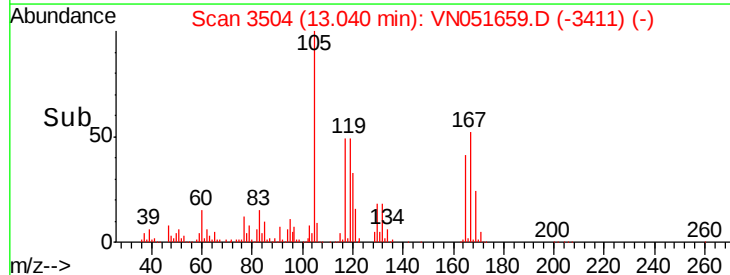
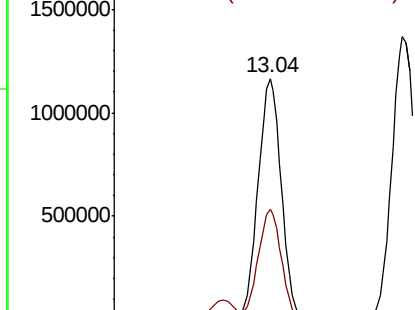


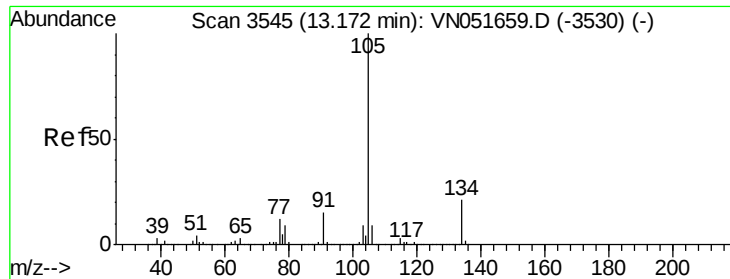
#84
1,2,4-Trimethylbenzene
Concen: 48.840 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.9	68.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





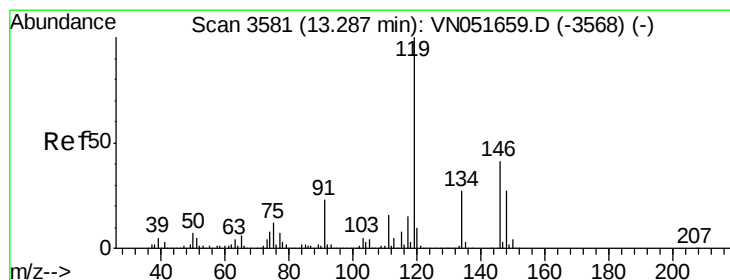
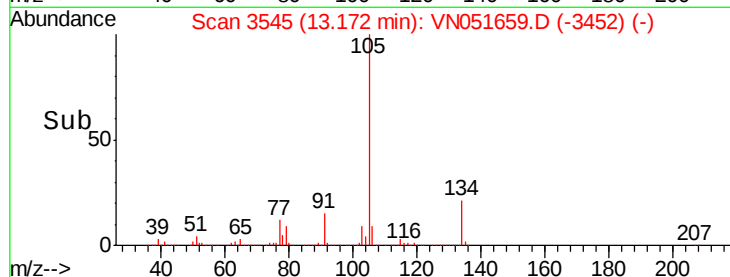
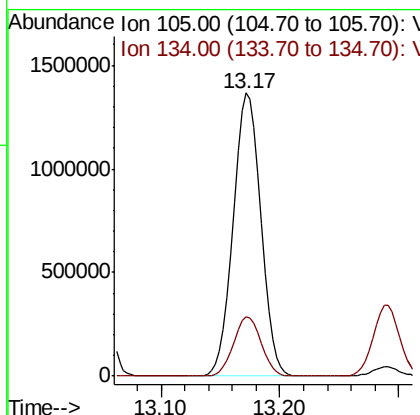
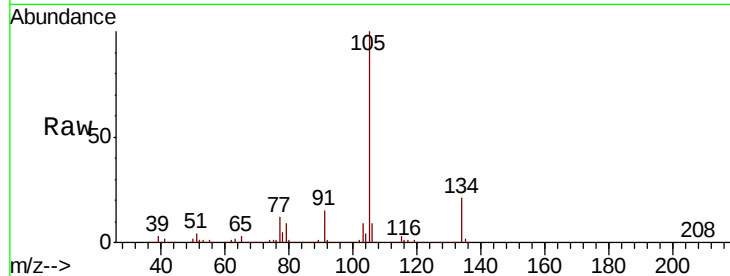
#85
 sec-Butylbenzene
 Concen: 48.613 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051659.D
 Acq: 4 Oct 2018 11:40

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion:105 Resp: 2198620
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.5 31.6

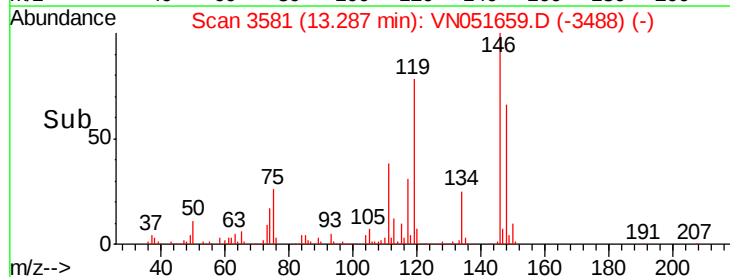
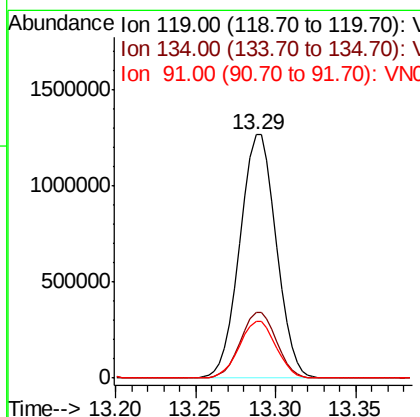
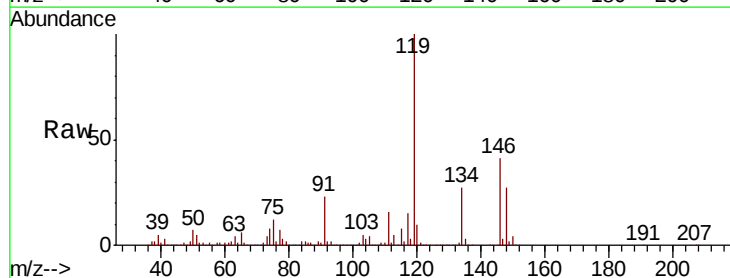
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#86
 p-Isopropyltoluene
 Concen: 48.973 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051659.D
 Acq: 4 Oct 2018 11:40

Tgt Ion:119 Resp: 1963575
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 23.4 11.7 35.1





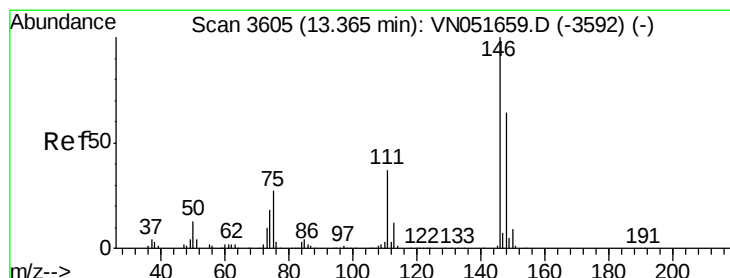
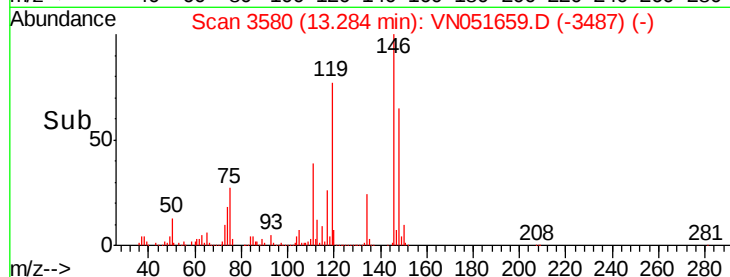
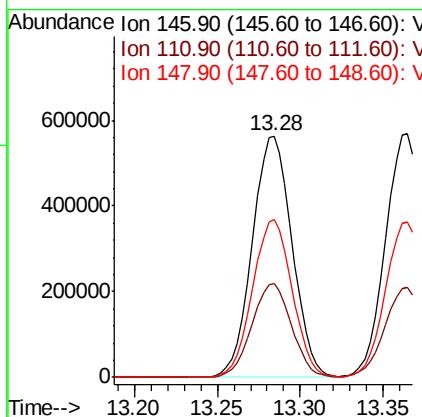
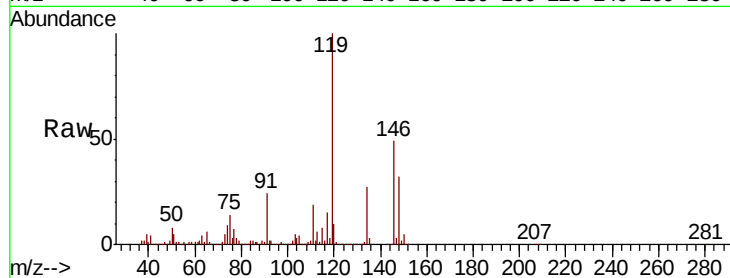
#87
 1,3-Dichlorobenzene
 Concen: 48.868 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051659.D
 Acq: 4 Oct 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	65.0	32.5	97.5

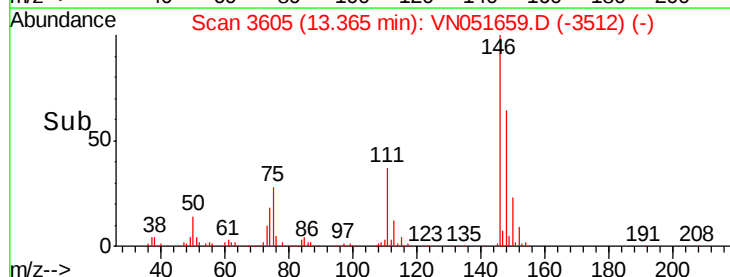
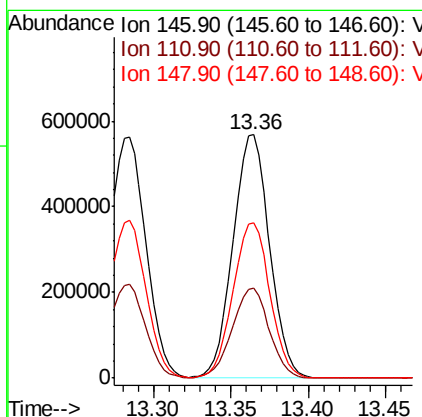
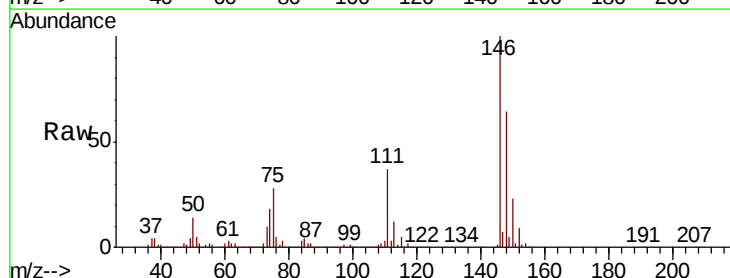
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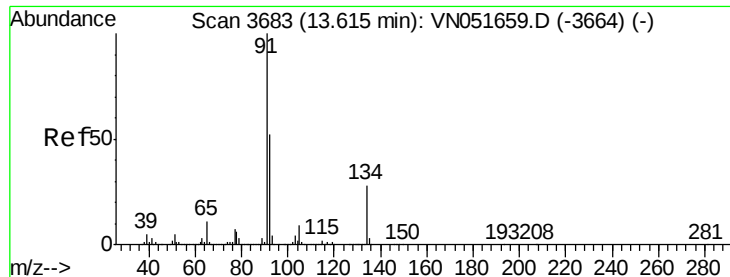
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#88
 1,4-Dichlorobenzene
 Concen: 49.054 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051659.D
 Acq: 4 Oct 2018 11:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.5	32.3	96.8





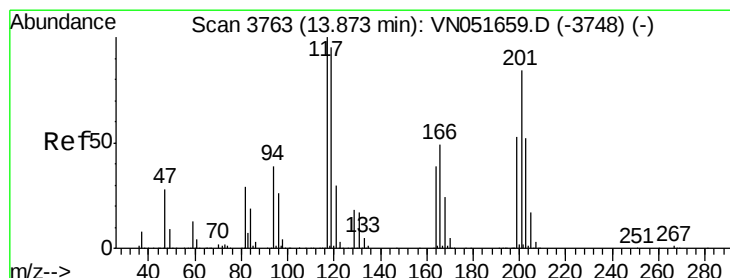
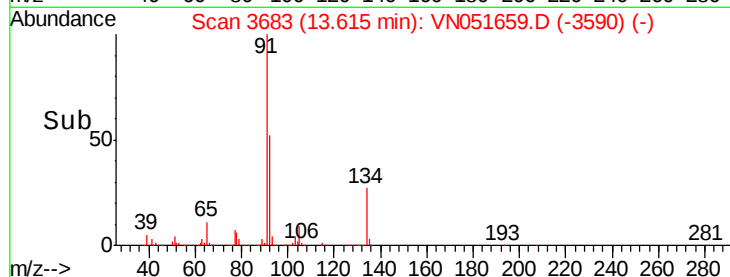
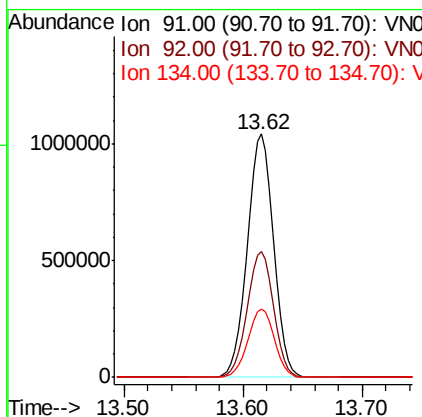
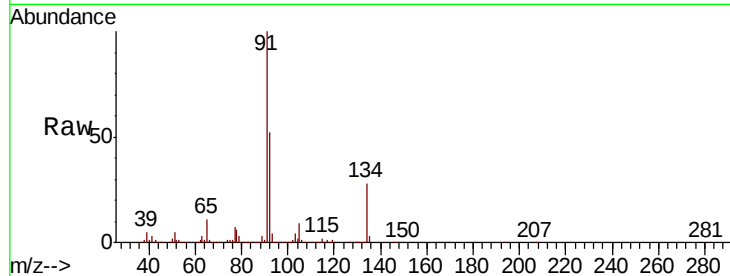
#89
n-Butylbenzene
Concen: 49.970 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1584112
Ion Ratio Lower Upper
91 100
92 52.0 26.0 78.0
134 28.4 14.2 42.6

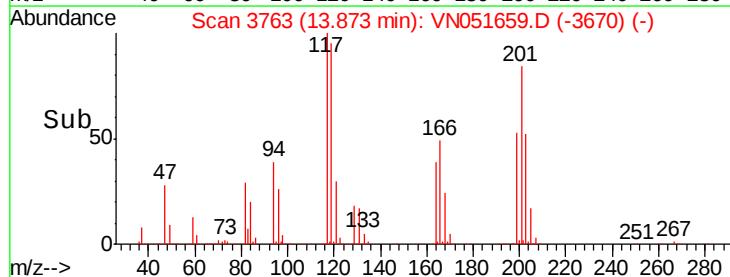
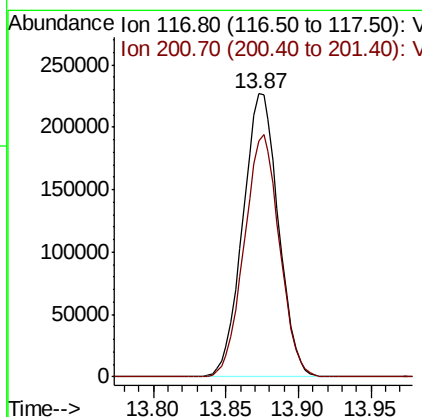
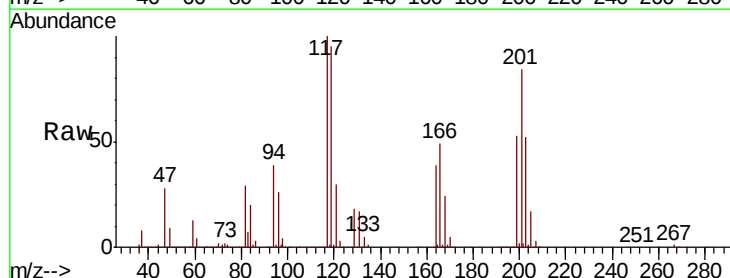
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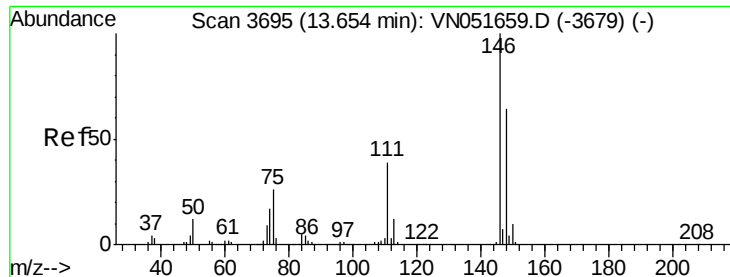
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#90
Hexachloroethane
Concen: 48.465 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion: 117 Resp: 387698
Ion Ratio Lower Upper
117 100
201 84.9 42.4 127.3





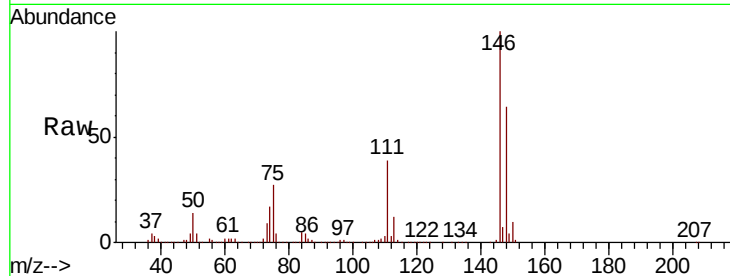
#91
 1,2-Dichlorobenzene
 Concen: 49.085 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051659.D
 Acq: 4 Oct 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

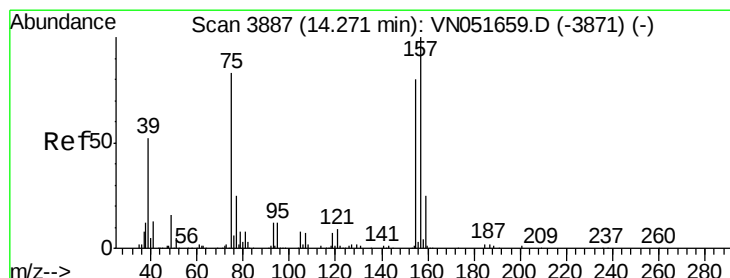
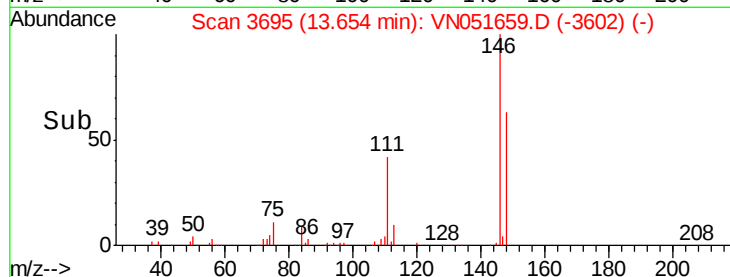
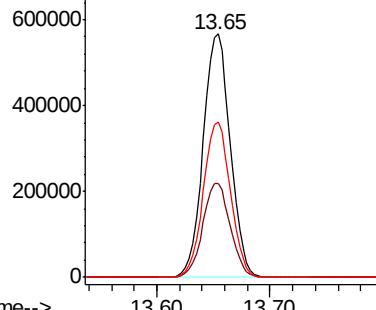
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.2	32.1	96.3

Manual Integrations
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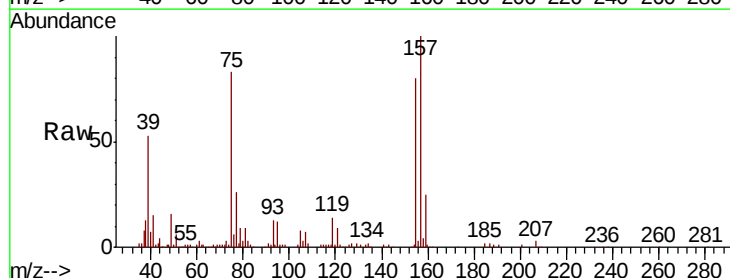


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

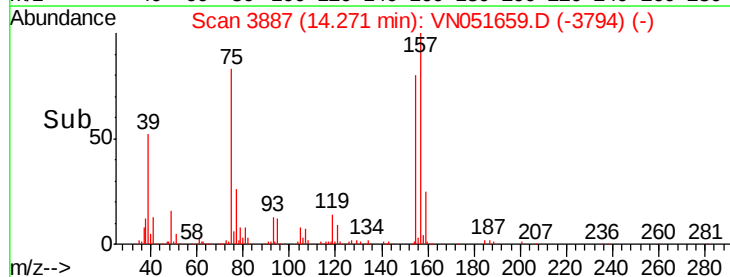
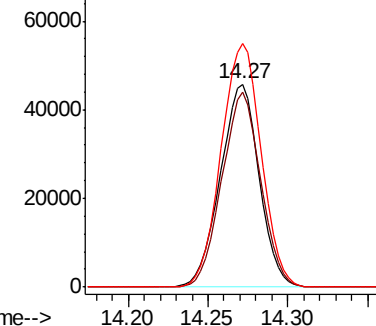


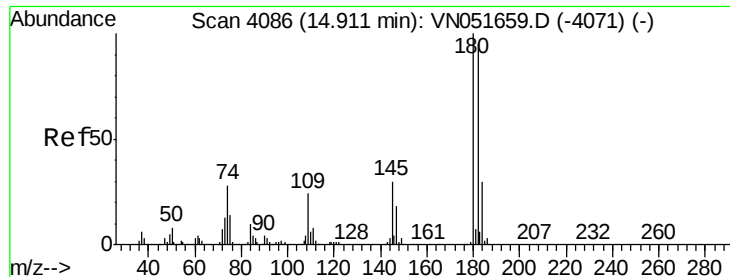
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.023 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051659.D
 Acq: 4 Oct 2018 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	47.6	142.9
157	123.4	61.7	185.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





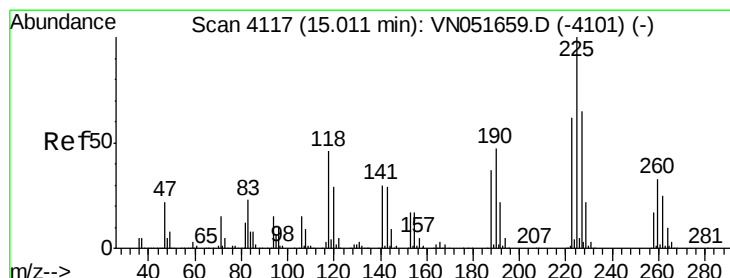
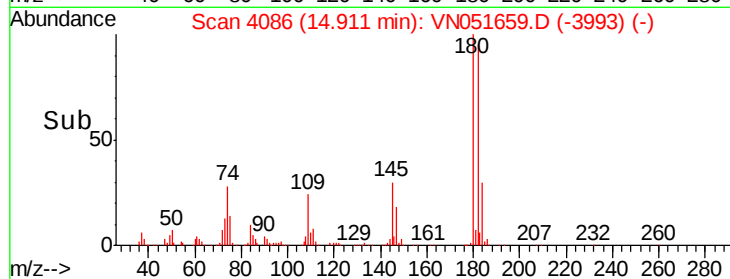
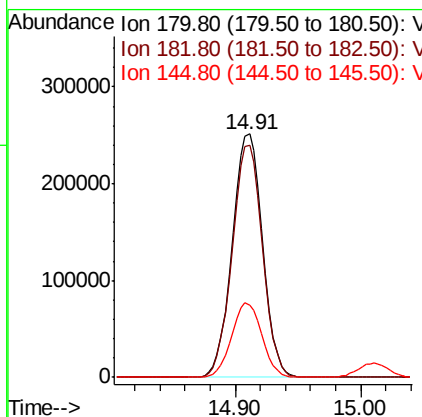
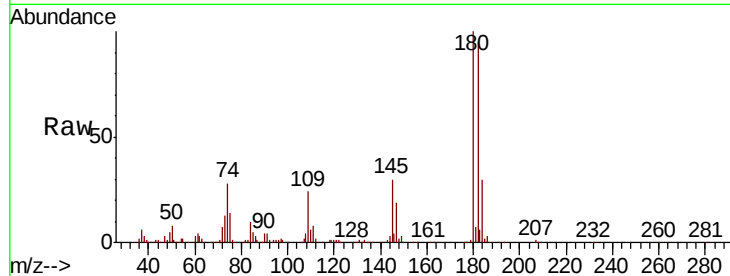
#93
 1,2,4-Trichlorobenzene
 Concen: 49.316 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051659.D
 Acq: 4 Oct 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	420851		
182	95.4	47.7	143.1	
145	30.6	15.3	45.9	

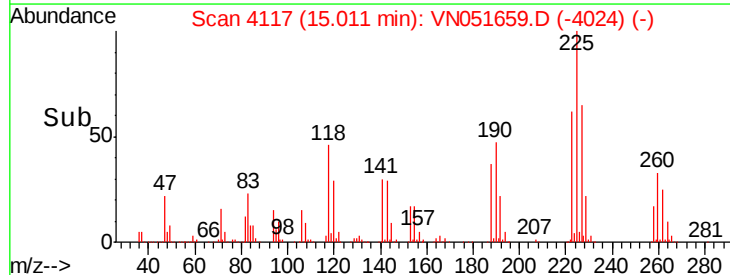
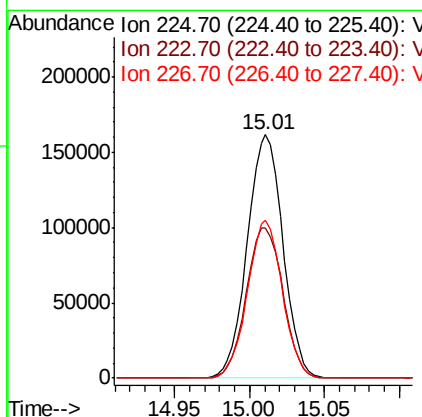
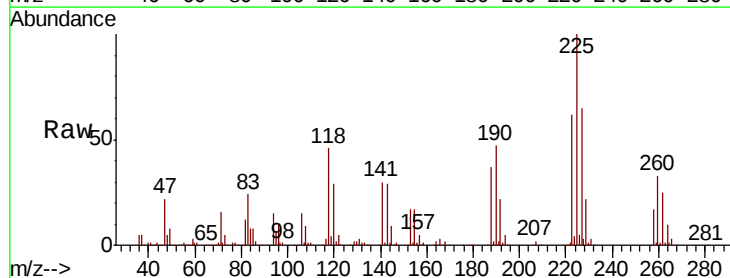
Manual Integrations
 APPROVED

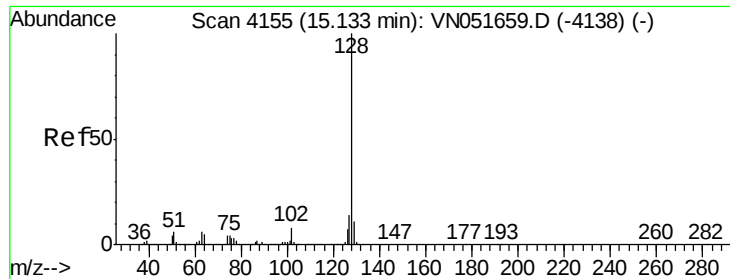
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 46.355 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051659.D
 Acq: 4 Oct 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	268394		
223	63.7	31.9	95.5	
227	63.4	31.7	95.1	





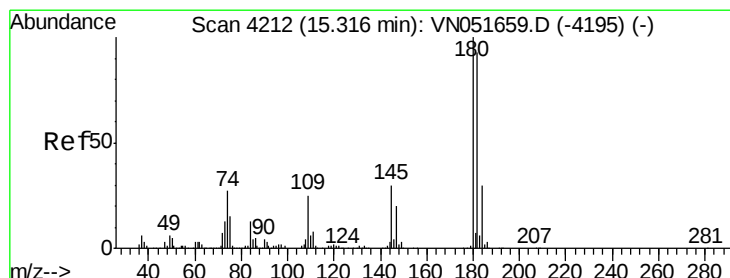
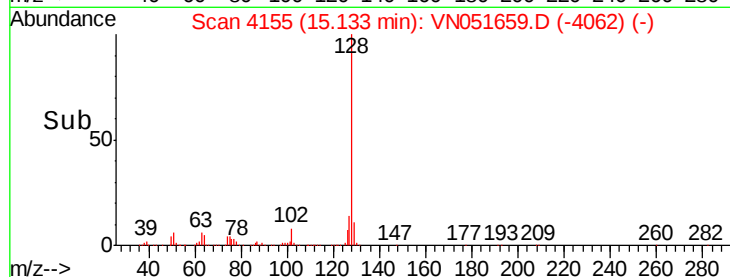
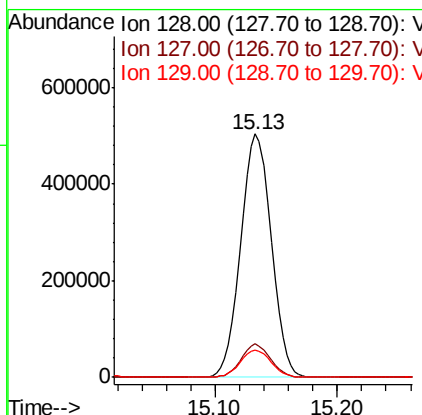
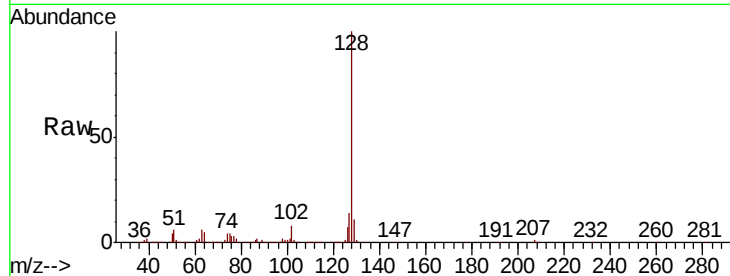
#95
Naphthalene
Concen: 47.223 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.3	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:53:09 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.720 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051659.D
Acq: 4 Oct 2018 11:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.8
145	31.2	15.6	46.8

