

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110518\
 Data File : VN052153.D
 Acq On : 5 Nov 2018 18:06
 Operator : MD\SY
 Sample : VN1105WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 10:00:16 AM

Quant Time: Nov 06 05:55:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:32:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	397433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	685309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	604163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	268645	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	240878	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	7.59	113	215372	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
50) Toluene-d8	10.09	98	813601	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.40	95	268706	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	72209	20.836	ug/l	94
3) Chloromethane	2.06	50	95234	20.359	ug/l	96
4) Vinyl Chloride	2.19	62	91086	20.331	ug/l	99
5) Bromomethane	2.57	94	63955	19.095	ug/l	93
6) Chloroethane	2.71	64	56514	19.728	ug/l	100
7) Trichlorofluoromethane	3.02	101	131995	20.282	ug/l	98
8) Diethyl Ether	3.41	74	48266	21.229	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	78534	20.194	ug/l	99
10) Methyl Iodide	3.96	142	104361	19.007	ug/l	99
11) Tert butyl alcohol	4.78	59	19787	96.583	ug/l	98
12) 1,1-Dichloroethene	3.74	96	74563	20.365	ug/l	98
13) Acrolein	3.61	56	22521	127.302	ug/l	96
14) Allyl chloride	4.33	41	125425	20.526	ug/l	99
15) Acrylonitrile	4.99	53	137350	102.408	ug/l	99
16) Acetone	3.82	43	102515	96.013	ug/l	91
17) Carbon Disulfide	4.06	76	204936	19.615	ug/l	98
18) Methyl Acetate	4.32	43	65049	19.172	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	210718	20.913	ug/l	96
20) Methylene Chloride	4.55	84	85755	19.330	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	78353	19.303	ug/l	97
22) Diisopropyl ether	5.95	45	269517	20.106	ug/l	94
23) Vinyl Acetate	5.90	43	944159	106.556	ug/l	100
24) 1,1-Dichloroethane	5.85	63	153266	20.124	ug/l	99
25) 2-Butanone	6.83	43	164084	99.106	ug/l	97
26) 2,2-Dichloropropane	6.83	77	117543	19.720	ug/l	85
27) cis-1,2-Dichloroethene	6.84	96	94146	20.383	ug/l	97
28) Bromochloromethane	7.19	49	76502	21.231	ug/l	99
29) Tetrahydrofuran	7.21	42	106345	103.813	ug/l	97
30) Chloroform	7.37	83	156865	20.670	ug/l	94
31) Cyclohexane	7.66	56	146183	19.549	ug/l	# 95
32) 1,1,1-Trichloroethane	7.57	97	131137	19.615	ug/l	98
36) 1,1-Dichloropropene	7.79	75	115562	19.062	ug/l	99
37) Ethyl Acetate	6.93	43	76340	20.404	ug/l	97
38) Carbon Tetrachloride	7.78	117	114561	18.901	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	140667	19.592	ug/l	99
40) Benzene	8.04	78	348590	19.560	ug/l	100
41) Methacrylonitrile	7.17	41	48811	24.053	ug/l #	80
42) 1,2-Dichloroethane	8.12	62	112798	19.688	ug/l	98
43) Isopropyl Acetate	8.17	43	141304	20.428	ug/l	100
44) Trichloroethene	8.84	130	91543	19.401	ug/l	98
45) 1,2-Dichloropropane	9.12	63	94571	20.037	ug/l	99
46) Dibromomethane	9.21	93	58168	19.379	ug/l	98
47) Bromodichloromethane	9.40	83	111470	19.042	ug/l	98
48) Methyl methacrylate	9.20	41	66308	19.917	ug/l	99
49) 1,4-Dioxane	9.20	88	11918	411.902	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	376621	103.059	ug/l	99
52) Toluene	10.16	92	220047	20.475	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	110798	19.294	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	131884	19.626	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	77288	20.398	ug/l	97
56) Ethyl methacrylate	10.43	69	99573	20.161	ug/l	99
57) 1,3-Dichloropropane	10.71	76	130731	19.585	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	275992	103.836	ug/l	99
59) 2-Hexanone	10.75	43	251253	98.766	ug/l	99
60) Dibromochloromethane	10.90	129	79872	18.536	ug/l	97
61) 1,2-Dibromoethane	11.01	107	76778	19.962	ug/l	99
64) Tetrachloroethene	10.63	164	78907	20.160	ug/l	98
65) Chlorobenzene	11.43	112	239883	19.480	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	83836	20.272	ug/l	97
67) Ethyl Benzene	11.51	91	400652	19.589	ug/l	97
68) m/p-Xylenes	11.62	106	318700	40.383	ug/l	98
69) o-Xylene	11.95	106	154667	20.208	ug/l	98
70) Styrene	11.96	104	243042	20.059	ug/l	100
71) Bromoform	12.13	173	47006	18.889	ug/l #	98
73) Isopropylbenzene	12.25	105	398408	19.614	ug/l	99
74) N-amyl acetate	12.07	43	123788	20.537	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	89517	20.134	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	73562m	17.400	ug/l	
77) Bromobenzene	12.53	156	93502	19.304	ug/l	96
78) n-propylbenzene	12.59	91	451091	19.432	ug/l	98
79) 2-Chlorotoluene	12.67	91	259952	19.096	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	323027	19.647	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22072	18.694	ug/l	97
82) 4-Chlorotoluene	12.77	91	273195	19.967	ug/l	98
83) tert-Butylbenzene	12.99	119	281411	19.384	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	322010	19.675	ug/l	100
85) sec-Butylbenzene	13.17	105	385956	19.660	ug/l	99
86) p-Isopropyltoluene	13.29	119	324059	19.612	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	163383	19.088	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	162900	19.040	ug/l	97
89) n-Butylbenzene	13.61	91	277382	19.387	ug/l	97
90) Hexachloroethane	13.87	117	53360	19.162	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	158543	19.737	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12763	21.746	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	65613	18.781	ug/l	98
94) Hexachlorobutadiene	15.01	225	34803	18.219	ug/l	97
95) Naphthalene	15.13	128	148853	18.094	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	58857	19.146	ug/l	98

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

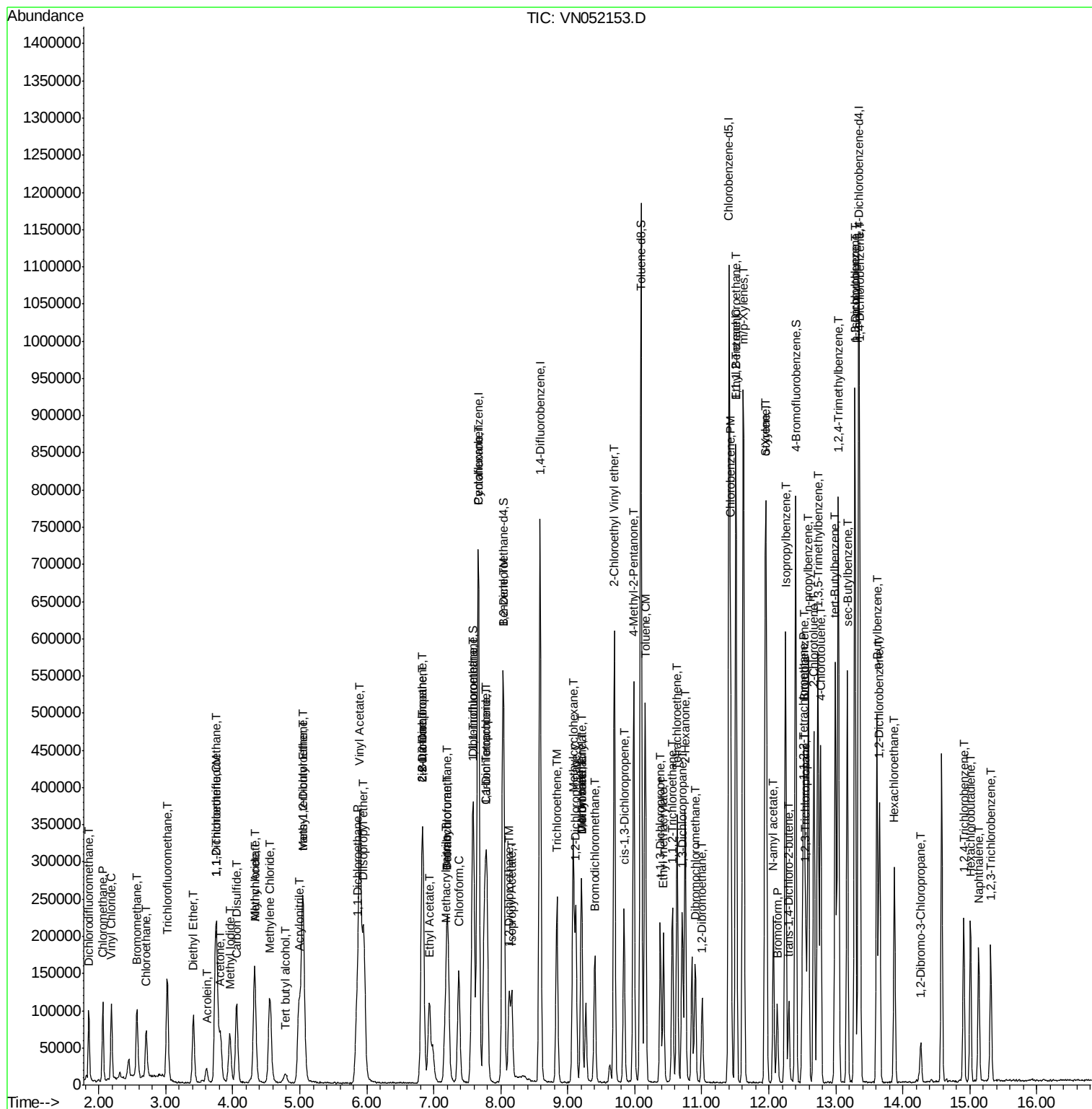
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Data File : VN052153.D
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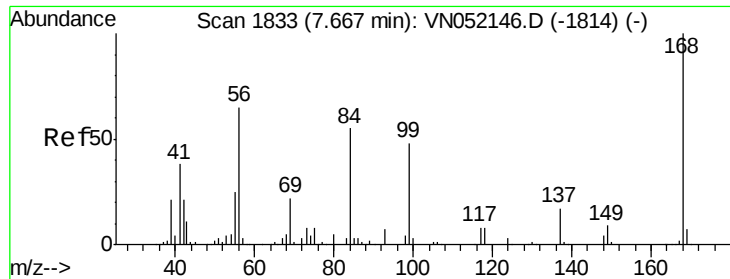
Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations
APPROVED

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Quant Title : SW846 8260
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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: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tot Ion:168 Resp: 397433

Ion Ratio Lower Upper

168 100

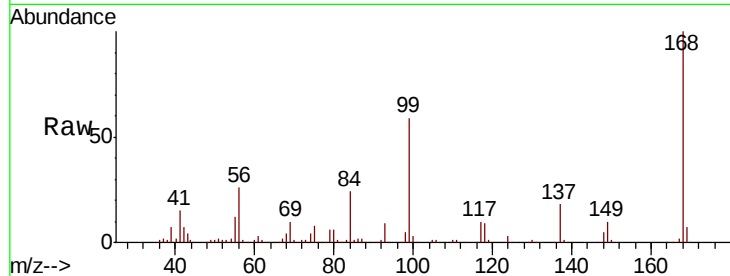
99 58.9 45.4 68.2

Manual Integrations

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11/6/2018 10:00:16 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

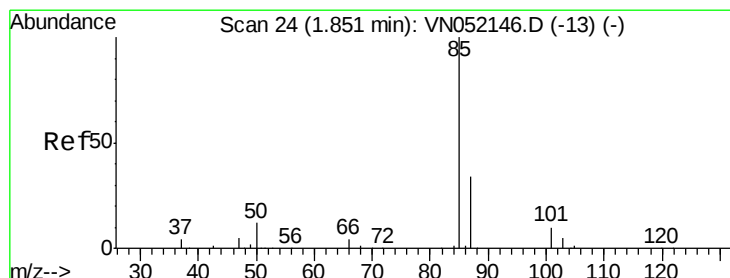
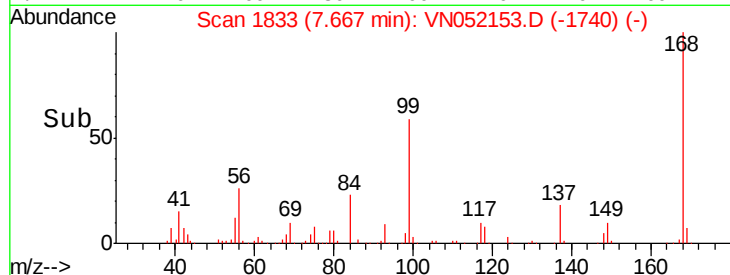
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.836 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052153.D

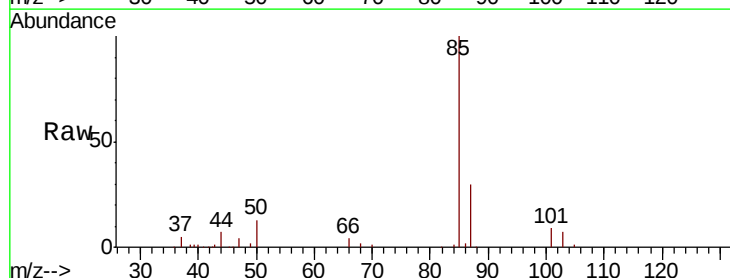
Acq: 5 Nov 2018 18:06

Tgt Ion: 85 Resp: 72209

Ion Ratio Lower Upper

85 100

87 30.4 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

60000

50000

40000

30000

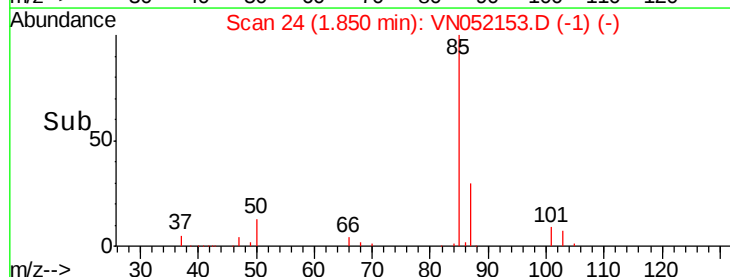
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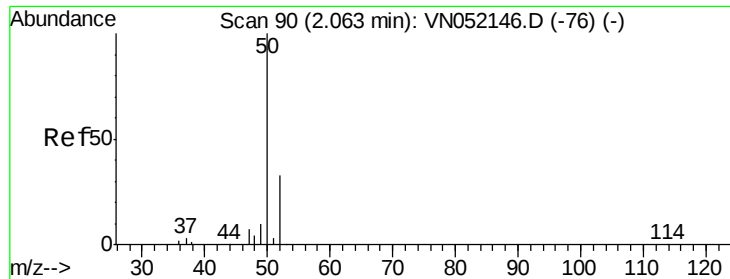
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0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.359 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tot Ion: 50 Resp: 95234

Ion Ratio Lower Upper

50 100

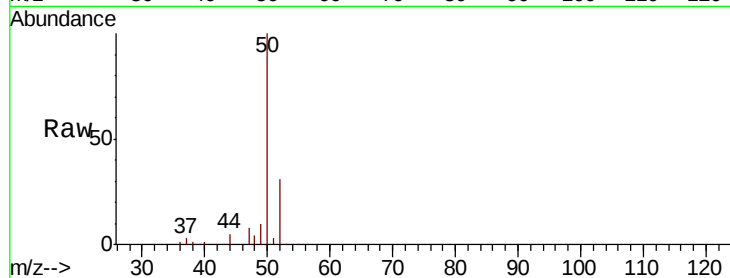
52 30.7 26.2 39.4

Manual Integrations

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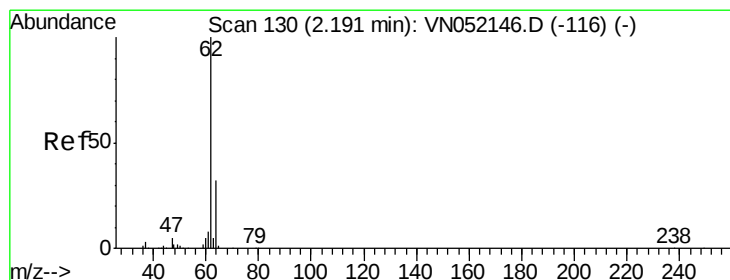
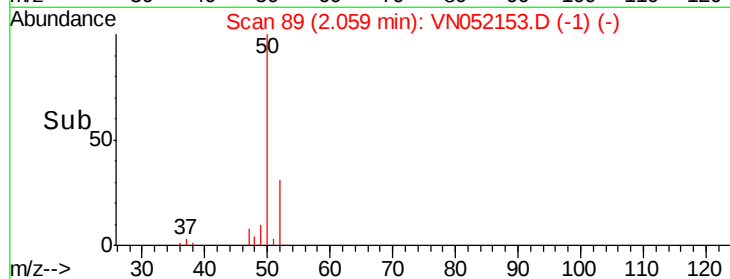
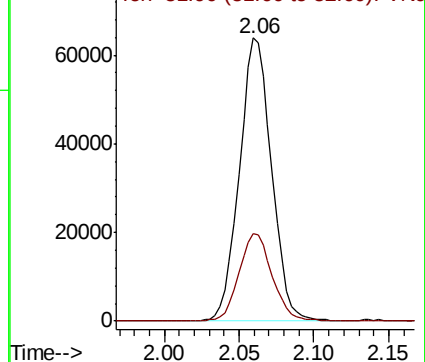
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 20.331 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052153.D

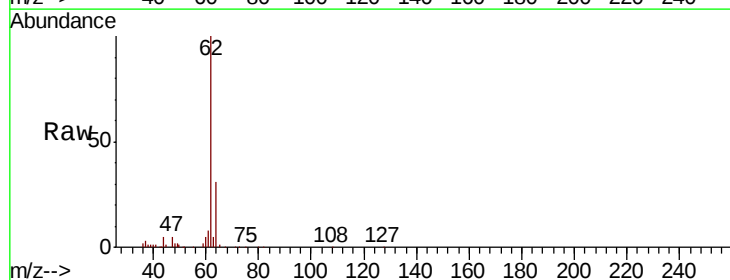
Acq: 5 Nov 2018 18:06

Tgt Ion: 62 Resp: 91086

Ion Ratio Lower Upper

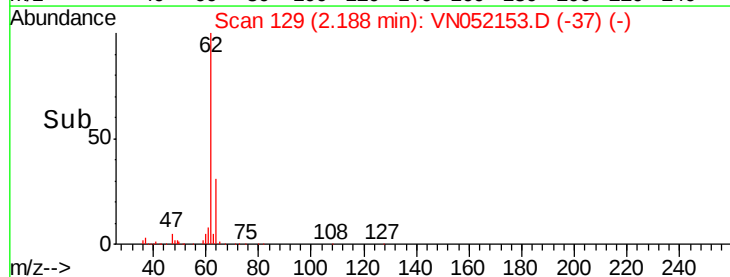
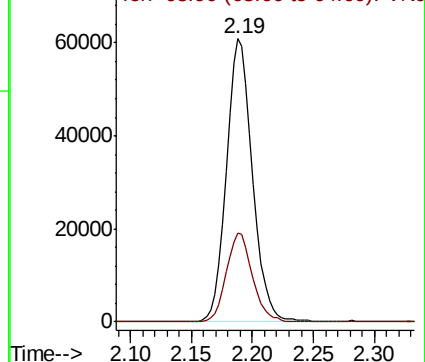
62 100

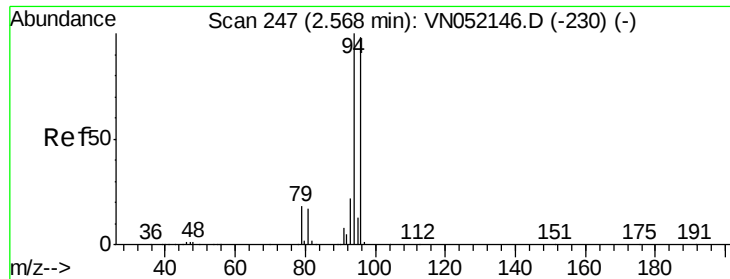
64 31.5 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 19.095 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

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ClientSampleId :

VN1105WBS01

Tot Ion: 94 Resp: 63955

Ion Ratio Lower Upper

94 100

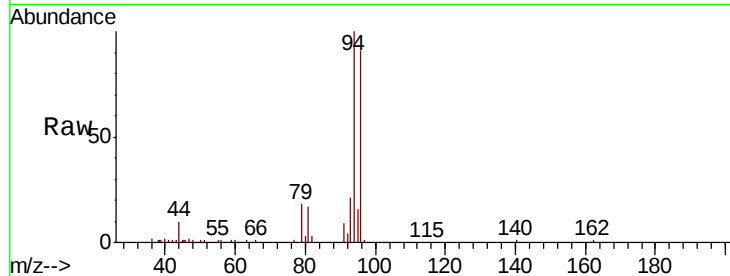
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Manual Integrations

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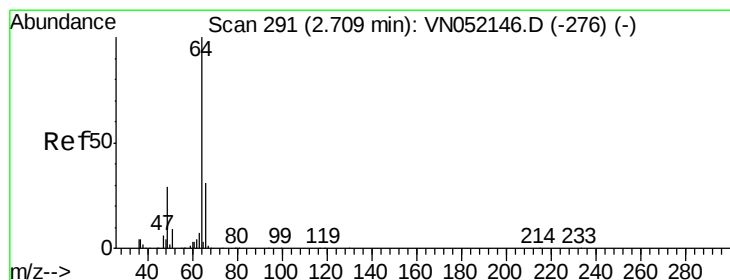
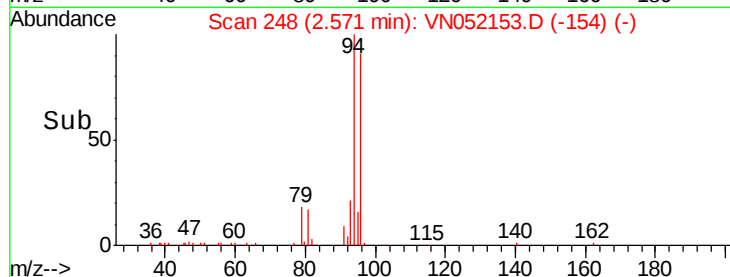
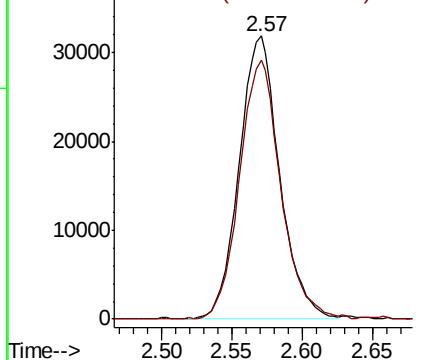
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.728 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052153.D

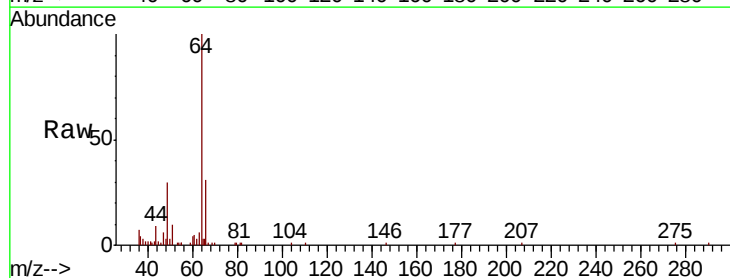
Acq: 5 Nov 2018 18:06

Tgt Ion: 64 Resp: 56514

Ion Ratio Lower Upper

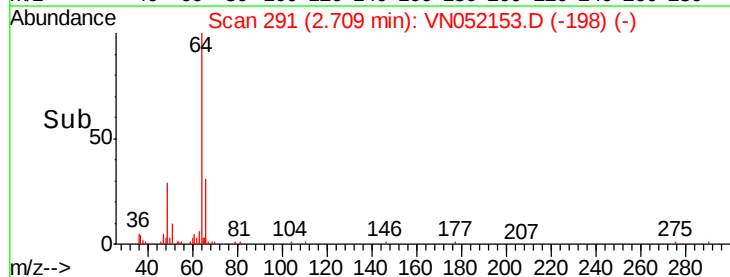
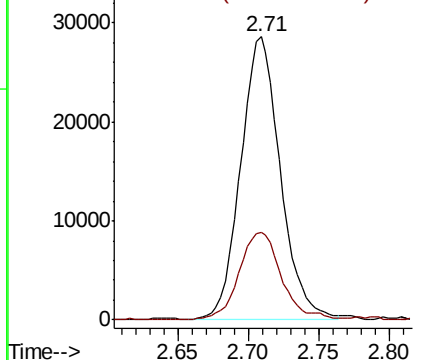
64 100

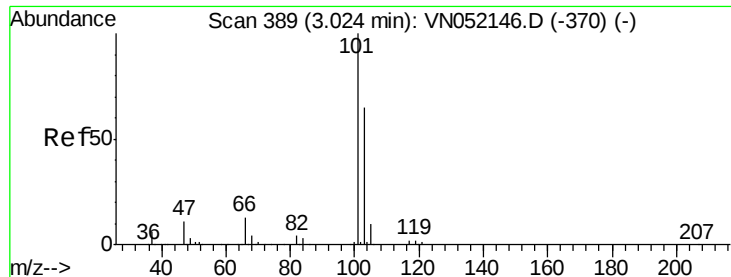
66 31.1 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

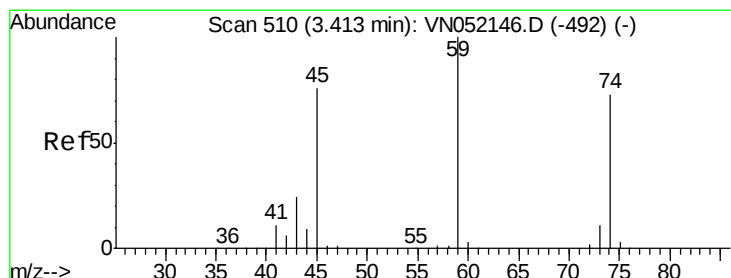
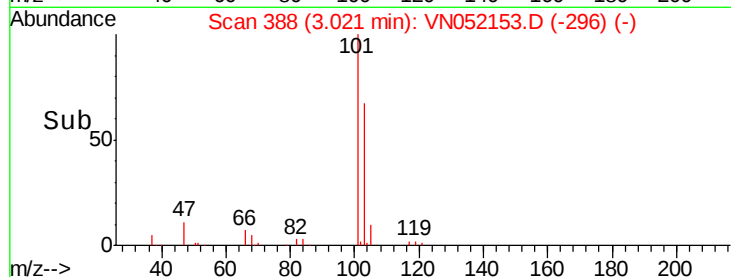
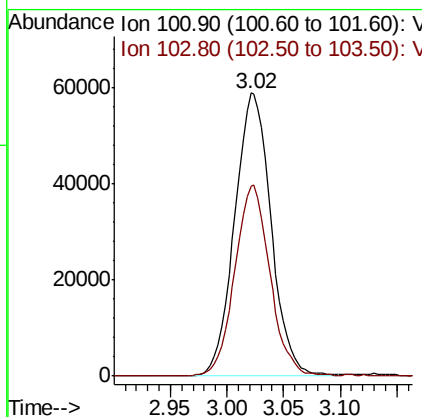
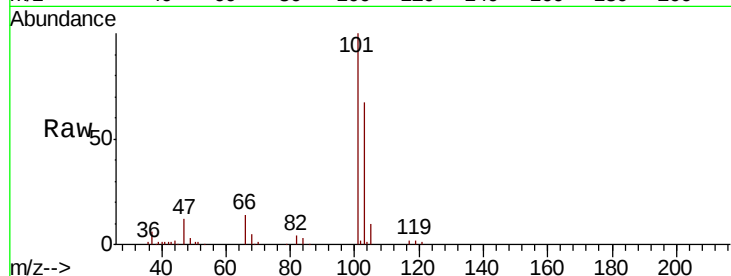
Trichlorofluoromethane
 Concen: 20.282 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	52.2	78.4

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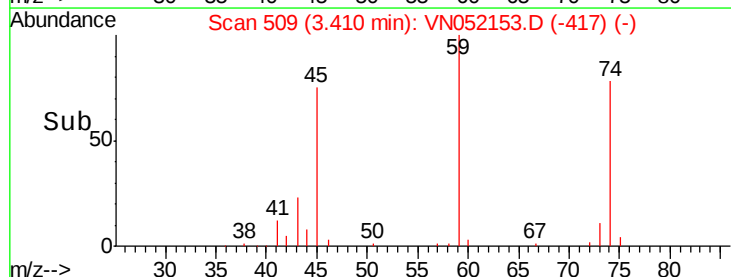
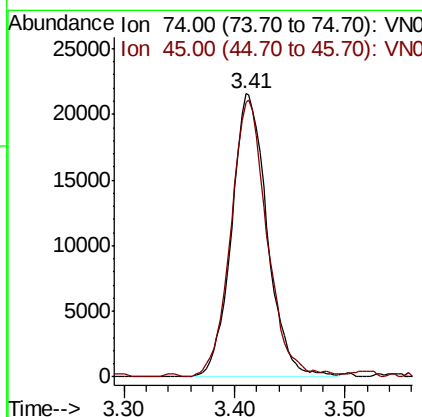
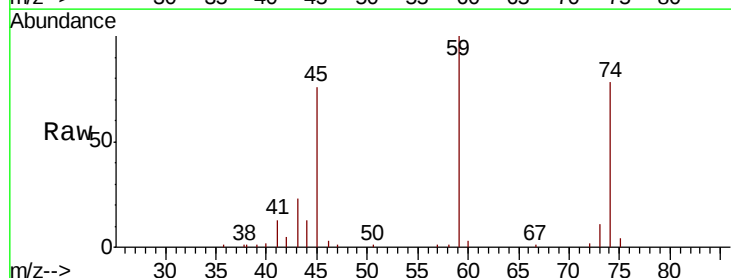
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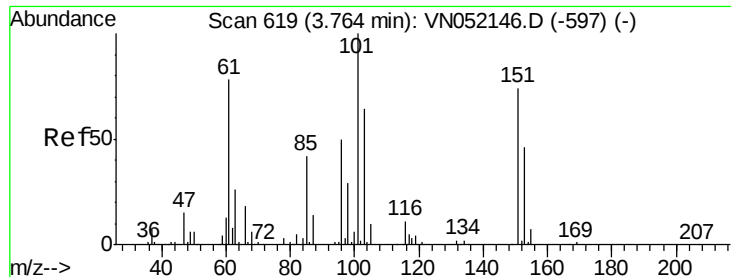


#8

Diethyl Ether
 Concen: 21.229 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	49.1	147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.194 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

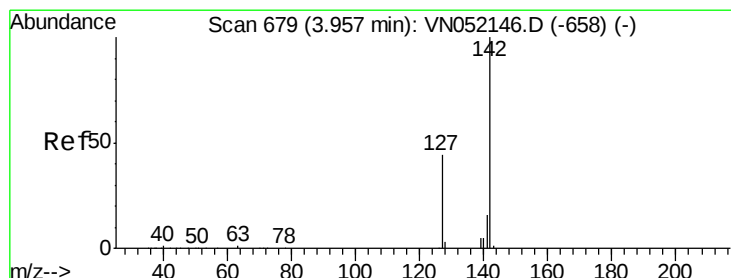
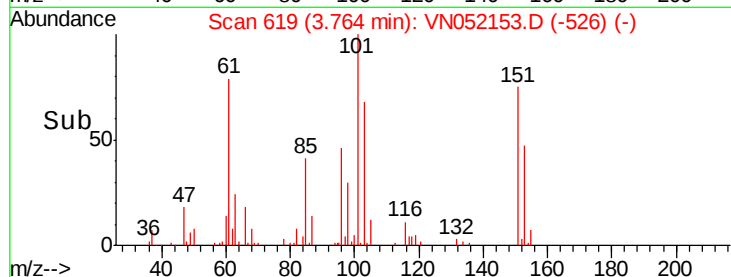
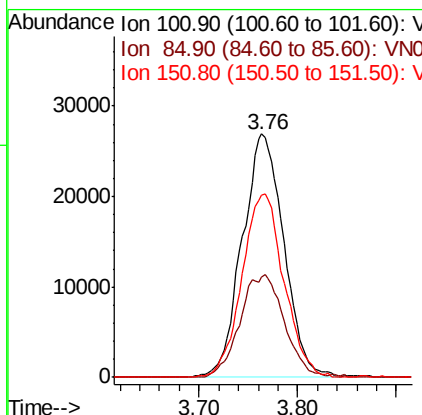
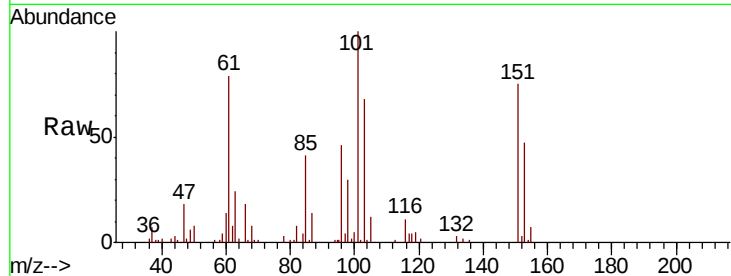
ClientSampleId :

VN1105WBS01

Tot Ion:	101	Resp:	78534
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.1	54.1
151	75.9	59.7	89.5

Manual Integrations
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MMDadoda
11/6/2018 10:00:16 AM



#10

Methyl Iodide

Concen: 19.007 ug/l

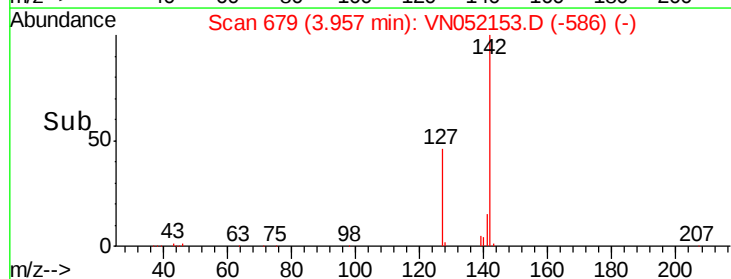
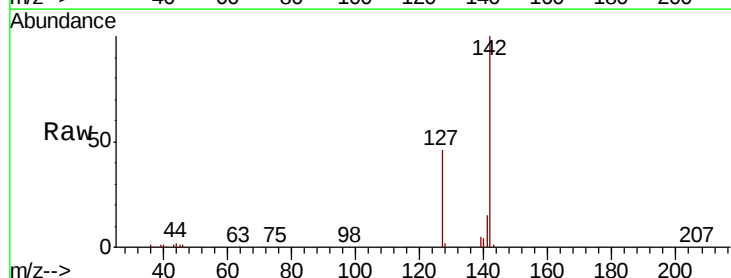
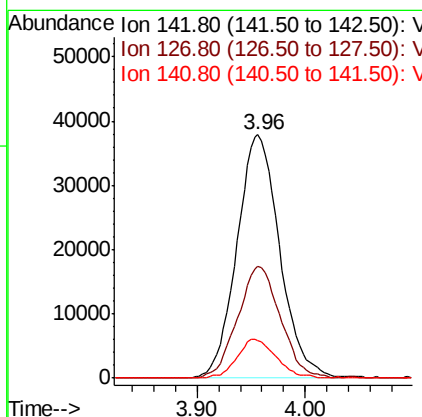
RT: 3.96 min Scan# 679

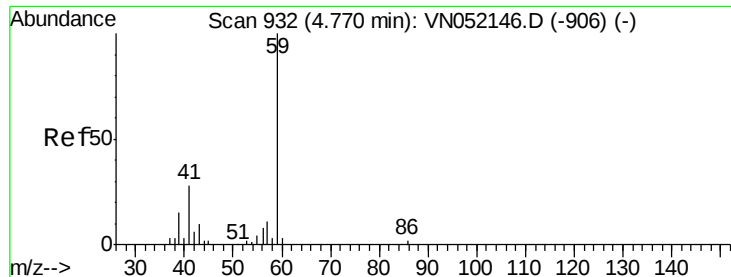
Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Tgt Ion:	142	Resp:	104361
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.0	54.0
141	14.6	11.8	17.6





#11

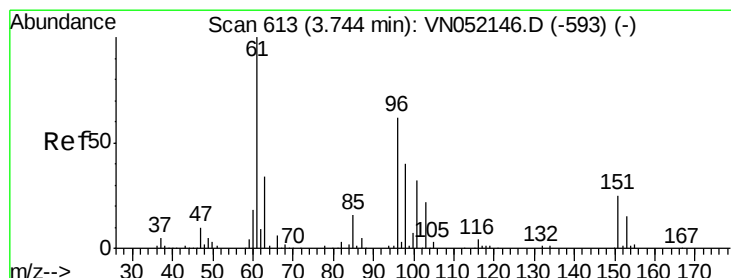
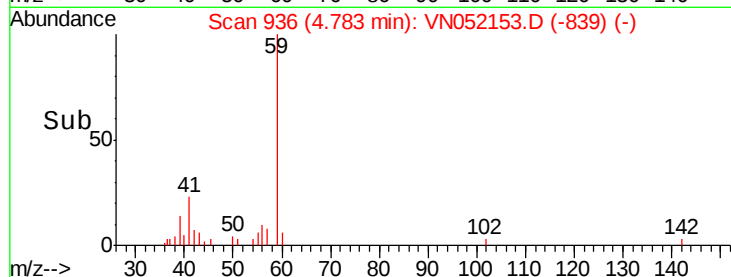
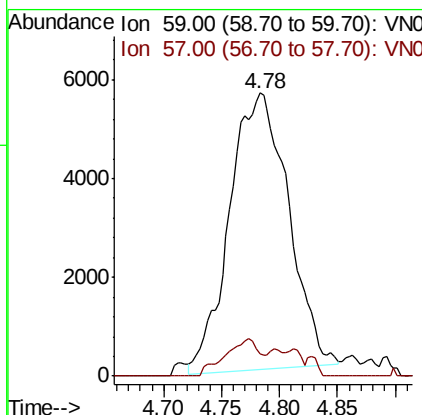
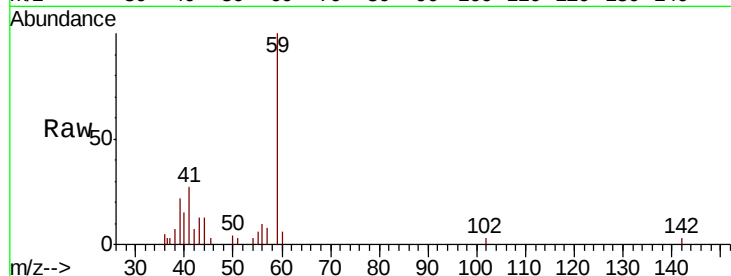
Tert butyl alcohol
Concen: 96.583 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion	59.00	Resp	19787
Ion Ratio	59	100	
Lower	57	7.7	5.7
Upper			8.5

Manual Integrations
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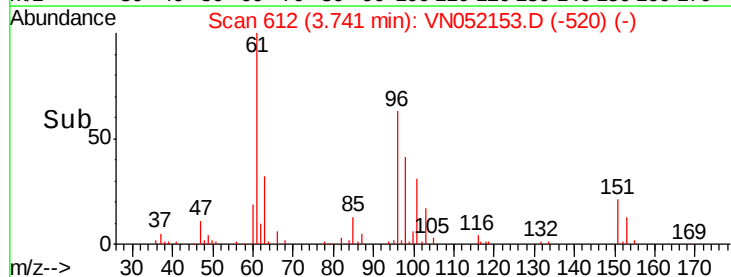
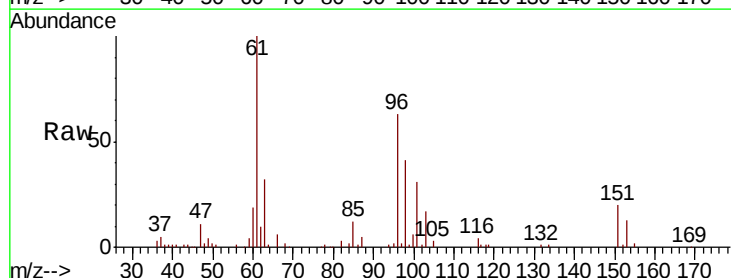
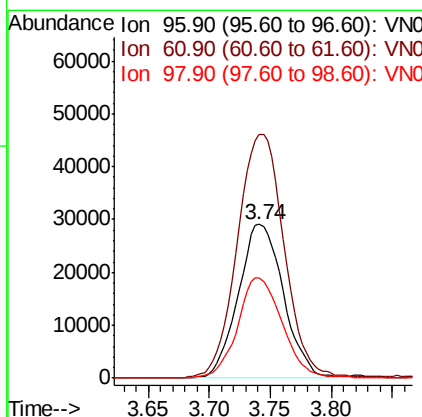
MMDadoda
11/6/2018 10:00:16 AM

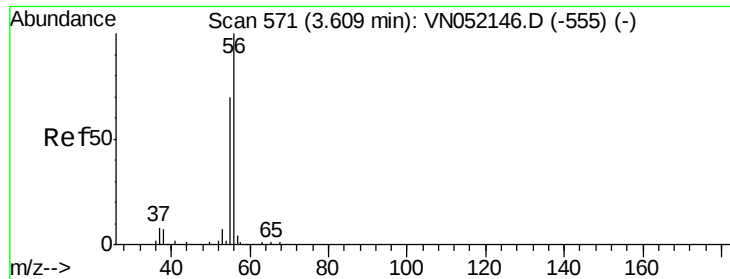


#12

1,1-Dichloroethene
Concen: 20.365 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion	96	Resp	74563
Ion Ratio	96	100	
Lower	61	157.6	128.4
Upper	98	65.3	50.9





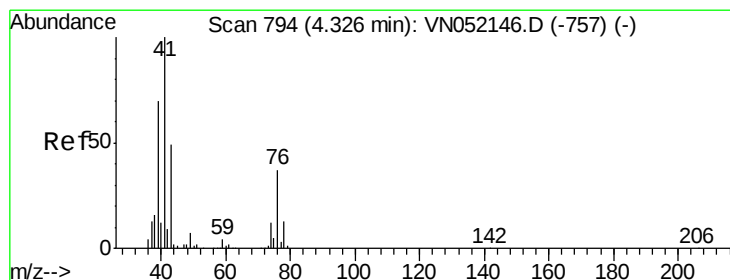
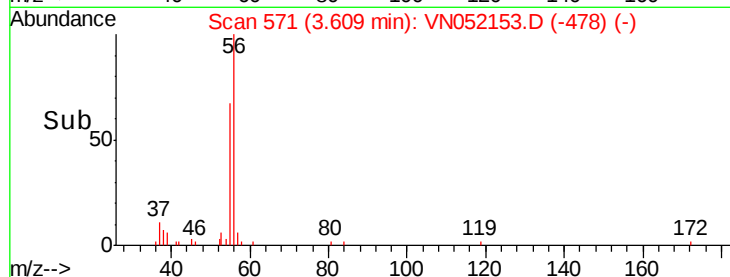
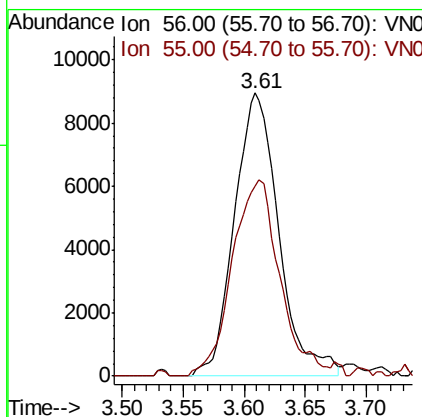
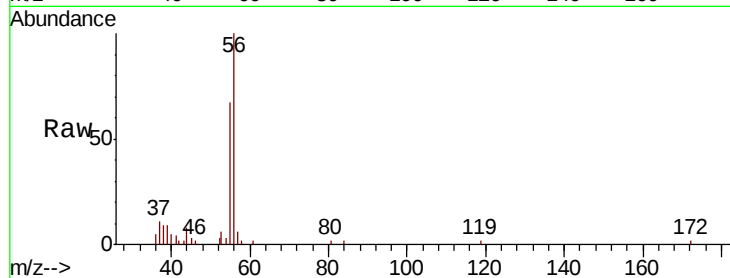
#13
Acrolein
Concen: 127.302 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion	56	Resp	22521
Ion Ratio	100	Lower	Upper
56	100		
55	74.3	56.6	84.8

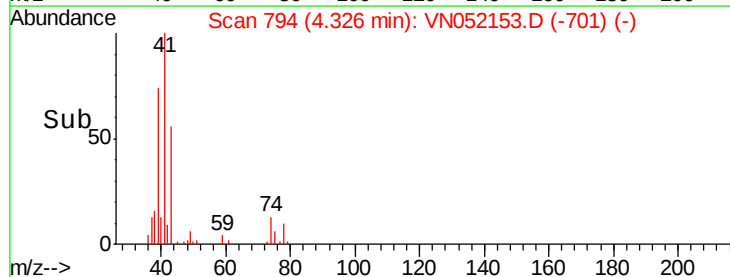
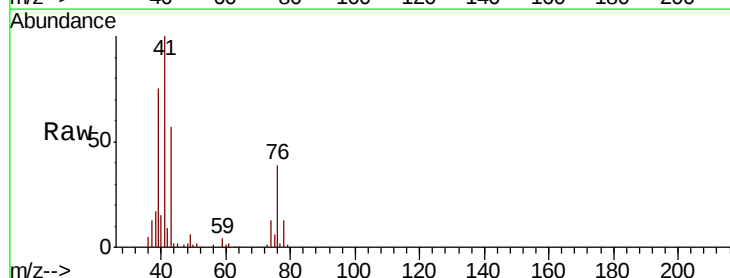
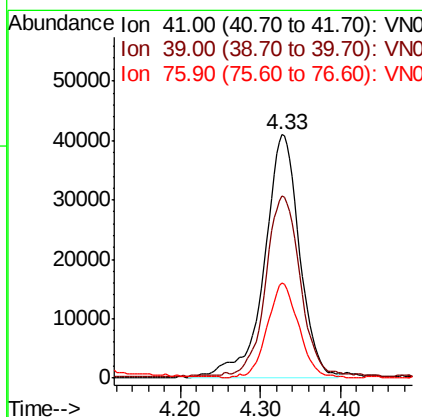
Manual Integrations
APPROVED

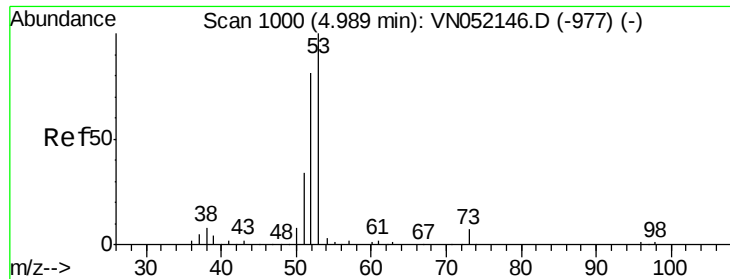
MMDadoda
11/6/2018 10:00:16 AM



#14
Allyl chloride
Concen: 20.526 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion	41	Resp	125425
Ion Ratio	100	Lower	Upper
41	100		
39	70.1	55.3	82.9
76	35.1	27.8	41.8





#15

Acrylonitrile

Concen: 102.408 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

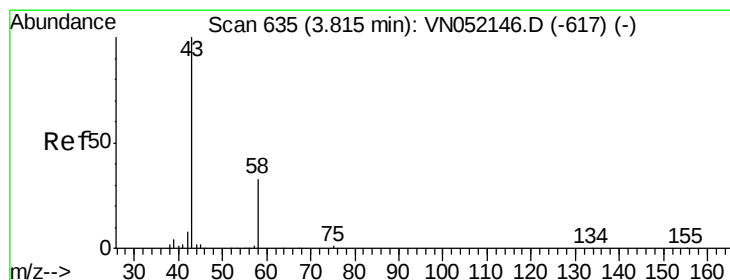
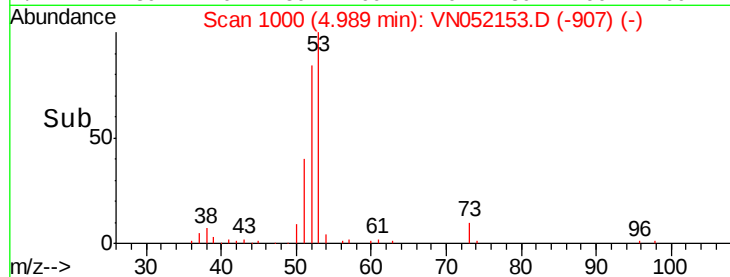
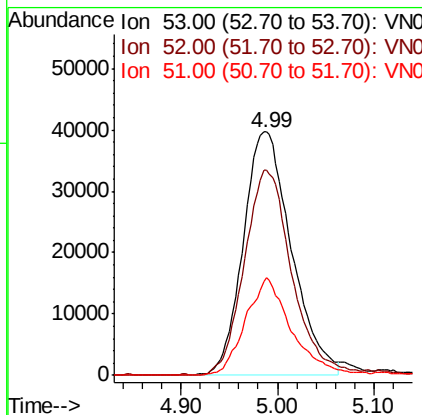
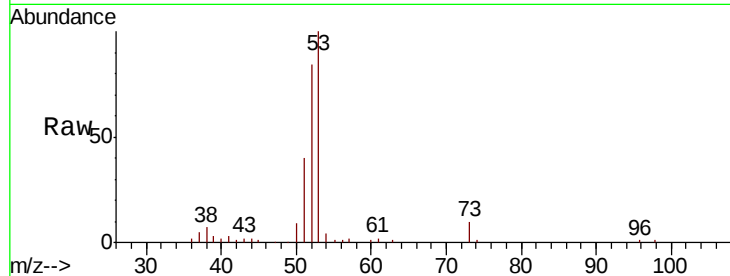
ClientSampleId :

VN1105WBS01

Tot Ion:	53	Resp:	137350
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.5	99.7
51	38.0	29.2	43.8

Manual Integrations
APPROVED

MMDadoda
11/6/2018 10:00:16 AM



#16

Acetone

Concen: 96.013 ug/l

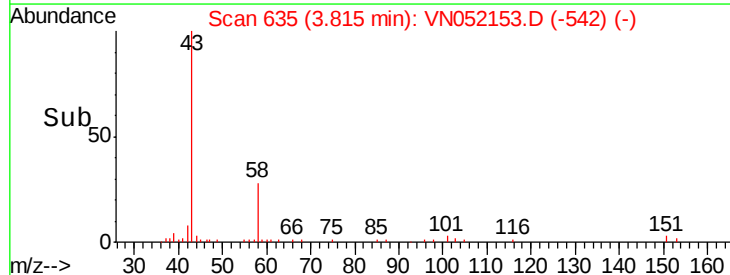
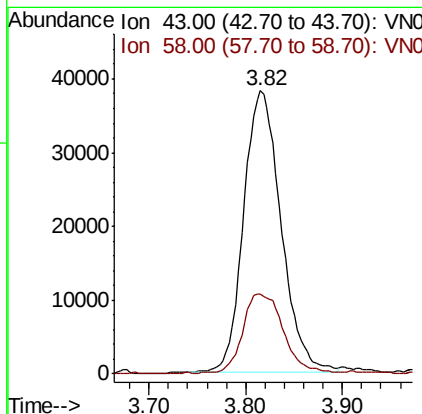
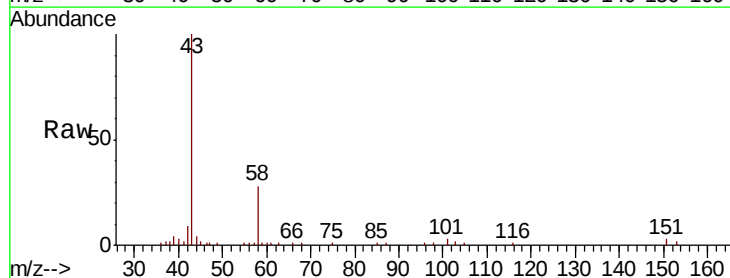
RT: 3.82 min Scan# 635

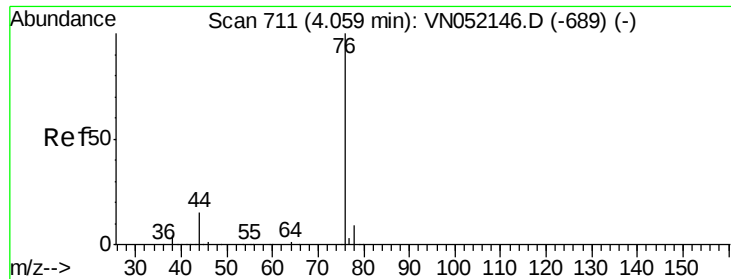
Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Tgt Ion:	43	Resp:	102515
Ion	Ratio	Lower	Upper
43	100		
58	27.7	26.2	39.2





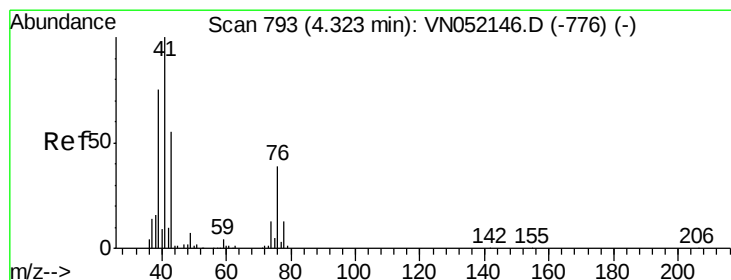
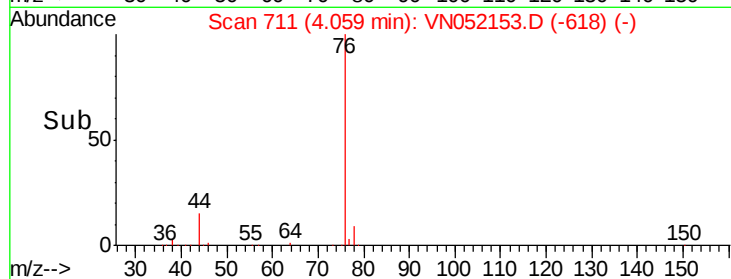
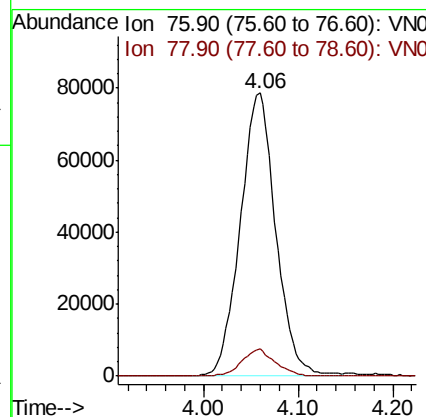
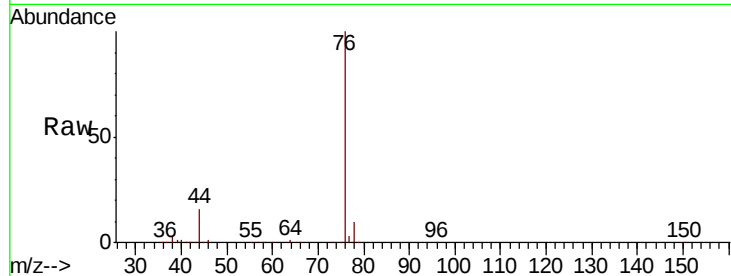
#17
Carbon Disulfide
Concen: 19.615 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6

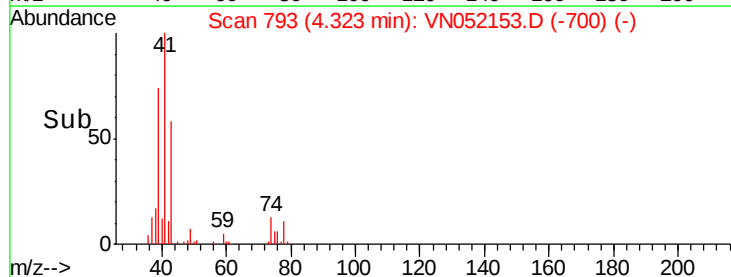
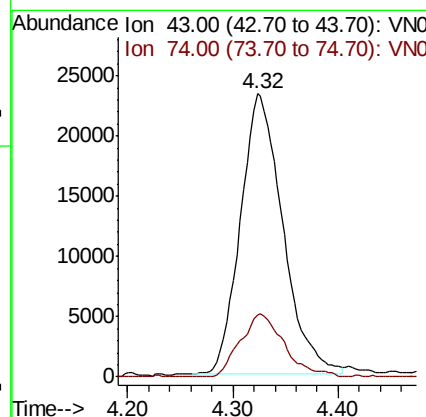
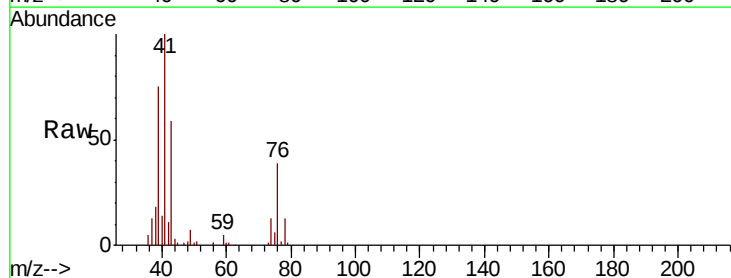
Manual Integrations
APPROVED

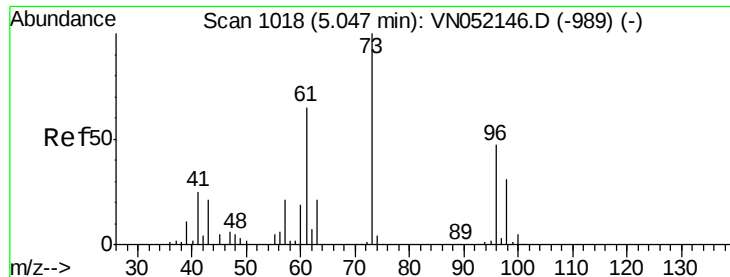
MMDadoda
11/6/2018 10:00:16 AM



#18
Methyl Acetate
Concen: 19.172 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.3	28.9





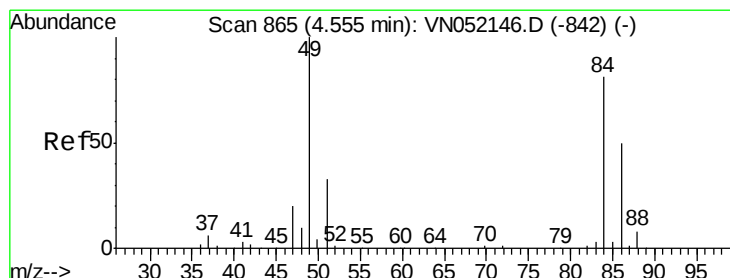
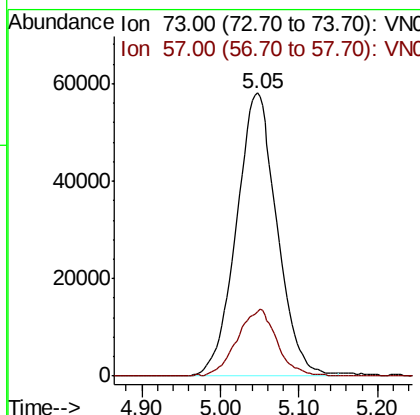
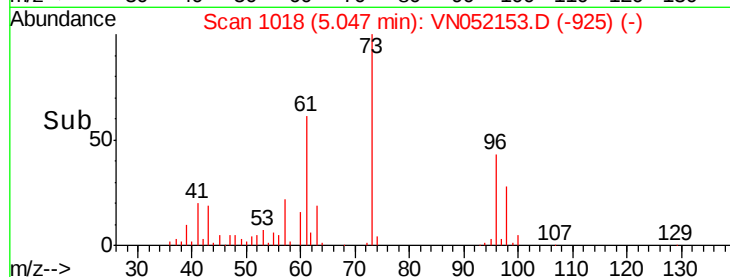
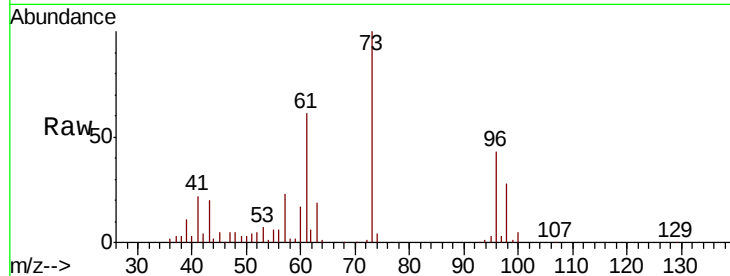
#19
Methvl tert-butvl Ether
Concen: 20.913 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion: 73 Resp: 210718
Ion Ratio Lower Upper
73 100
57 22.8 16.8 25.2

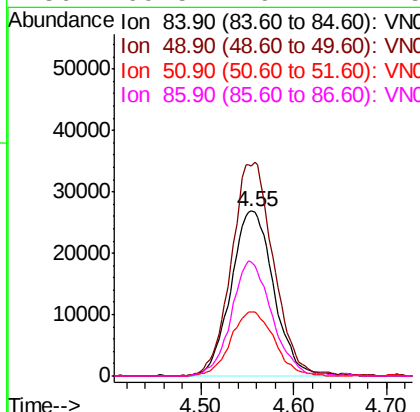
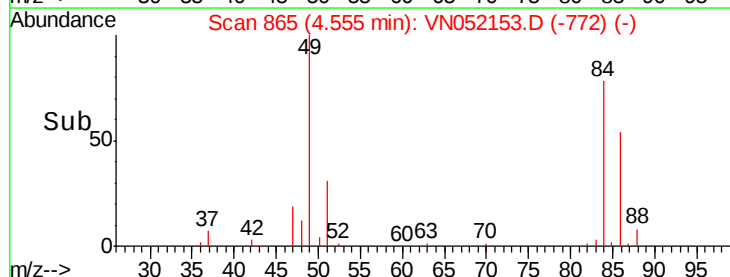
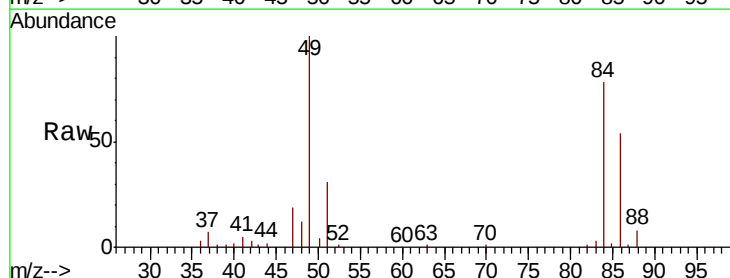
Manual Integrations
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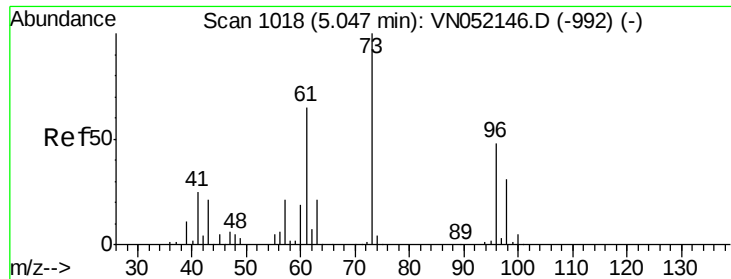
MMDadoda
11/6/2018 10:00:16 AM



#20
Methylene Chloride
Concen: 19.330 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion: 84 Resp: 85755
Ion Ratio Lower Upper
84 100
49 127.3 98.4 147.6
51 39.1 32.5 48.7
86 69.5 49.7 74.5





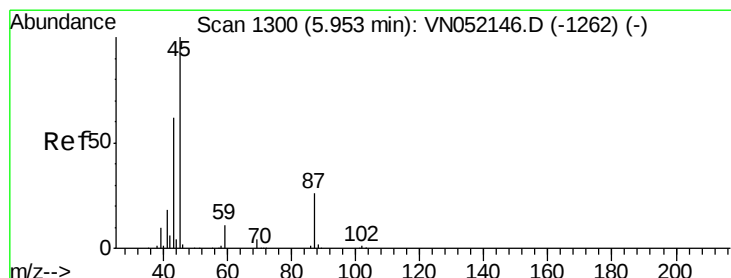
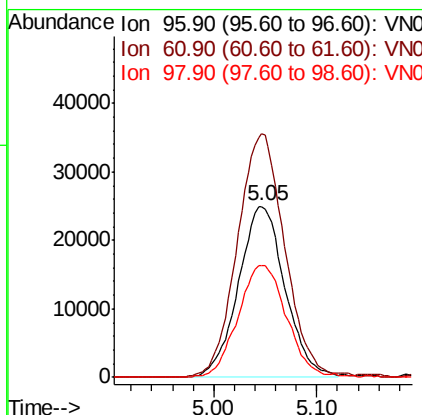
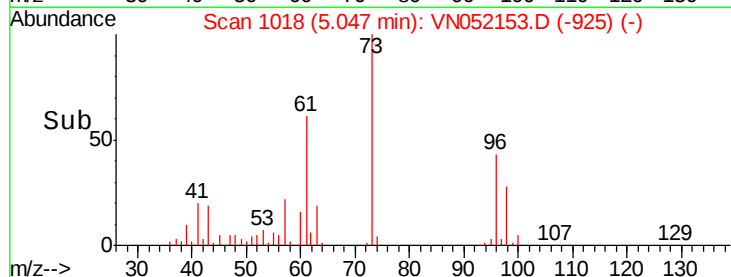
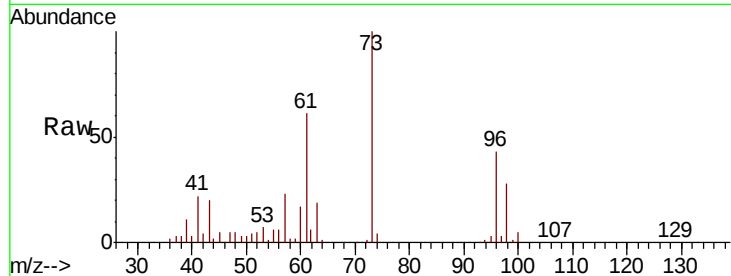
#21
trans-1,2-Dichloroethene
Concen: 19.303 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.7	109.6	164.4
98	65.2	52.0	78.0

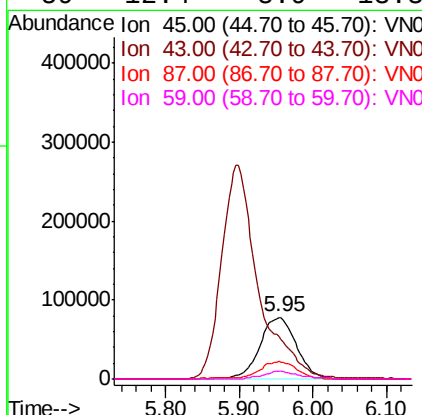
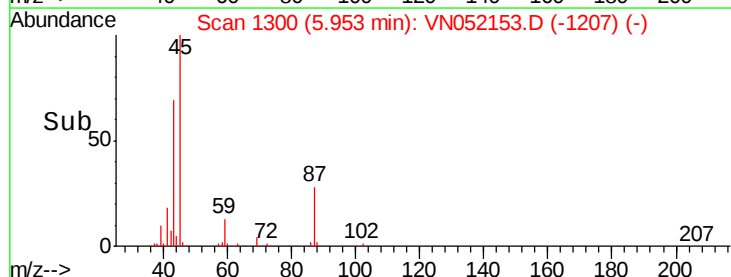
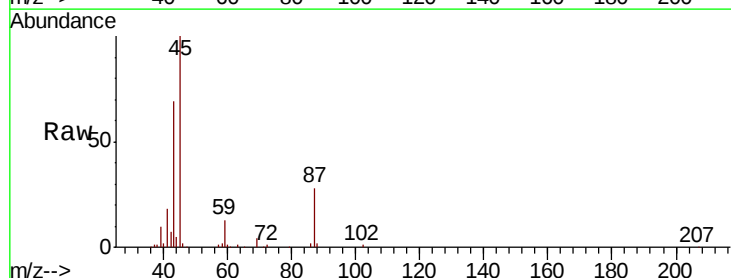
Manual Integrations
APPROVED

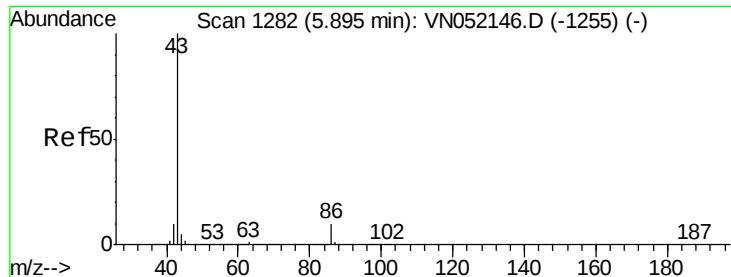
MMDadoda
11/6/2018 10:00:16 AM



#22
Diisopropyl ether
Concen: 20.106 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.4	49.8	74.6
87	28.0	21.1	31.7
59	12.4	8.9	13.3





#23

Vinyl Acetate

Concen: 106.556 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampled :

VN1105WBS01

Tot Ion: 43 Resp: 944159

Ion Ratio Lower Upper

43 100

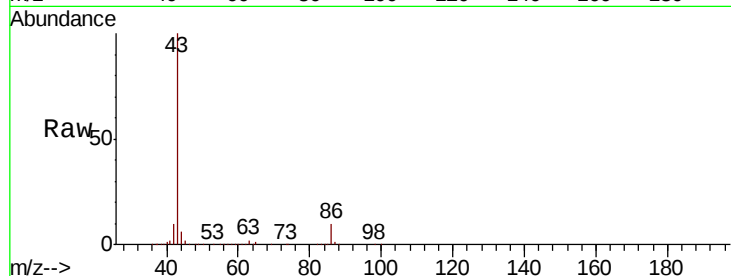
86 9.8 7.9 11.9

Manual Integrations

APPROVED

MMDadoda

11/6/2018 10:00:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VN052146.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN052146.D (-1255) (-)

5.90

250000

200000

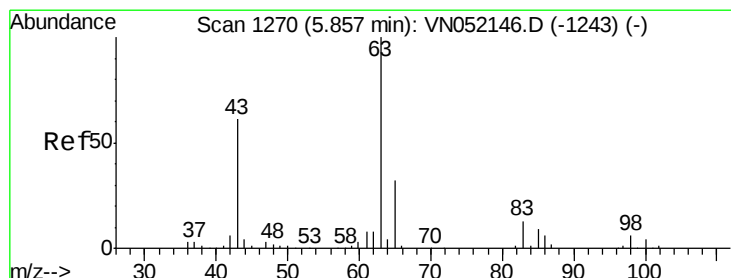
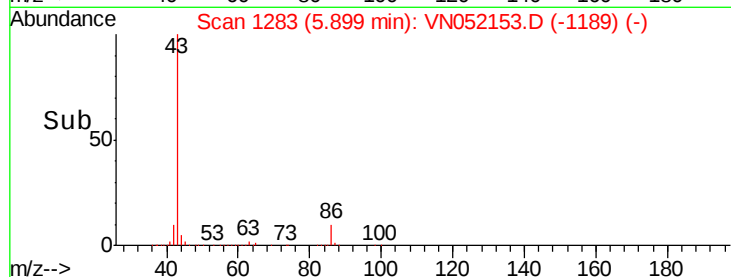
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.124 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

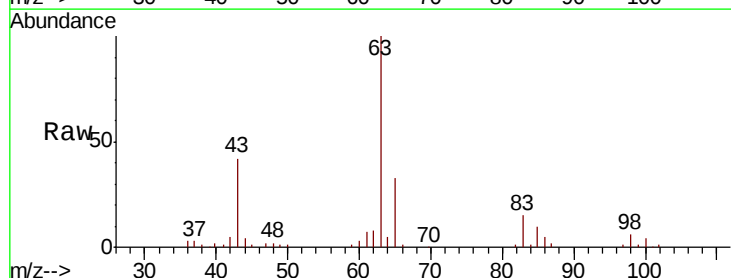
Tgt Ion: 63 Resp: 153266

Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.4

100 4.3 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VN052146.D (-1243) (-)

Ion 97.90 (97.60 to 98.60): VN052146.D (-1243) (-)

Ion 99.90 (99.60 to 100.60): VN052146.D (-1243) (-)

5.85

60000

50000

40000

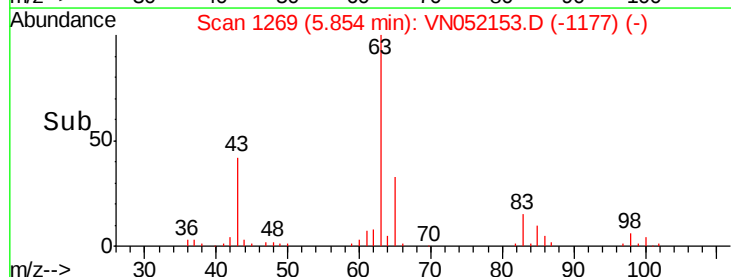
30000

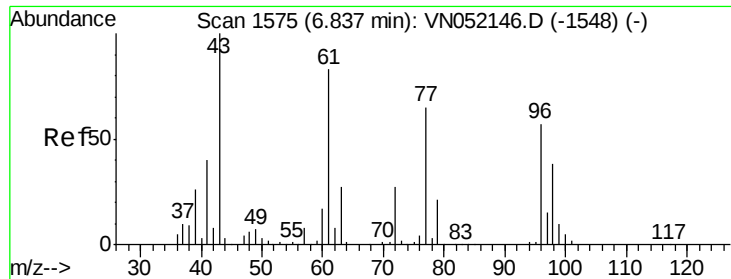
20000

10000

0

Time-->





#25

2-Butanone

Concen: 99.106 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tot Ion: 43 Resp: 164084

Ion Ratio Lower Upper

43 100

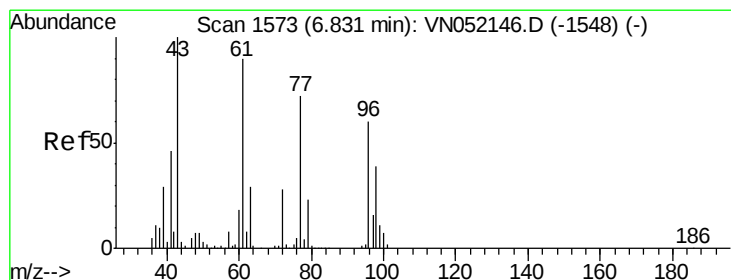
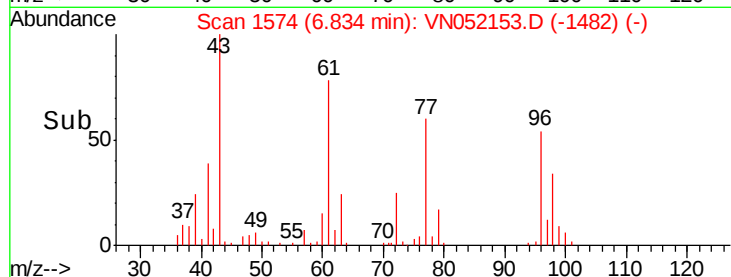
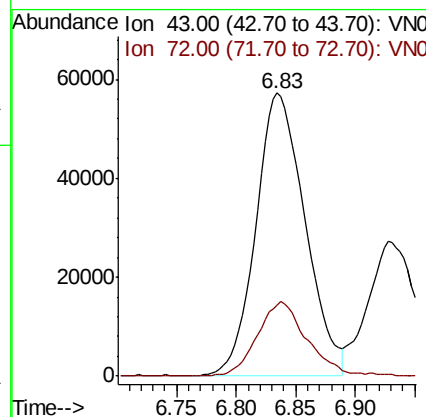
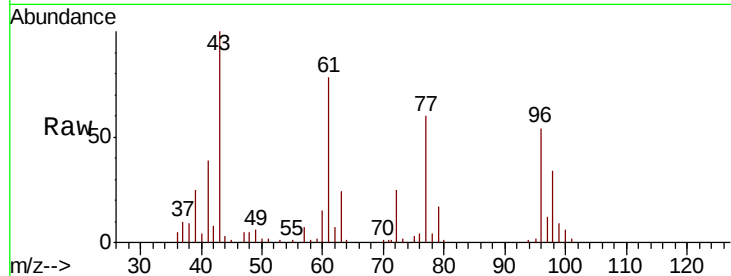
72 25.0 21.4 32.2

Manual Integrations

APPROVED

MMDadoda

11/6/2018 10:00:16 AM



#26

2,2-Dichloropropane

Concen: 19.720 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052153.D

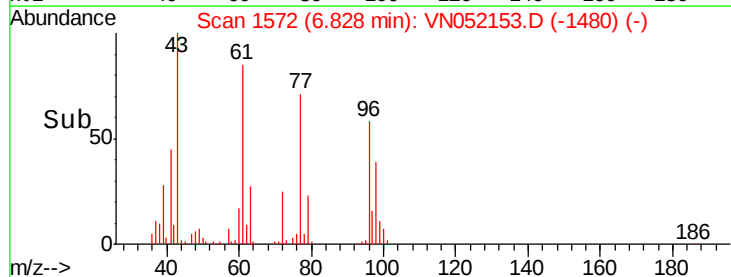
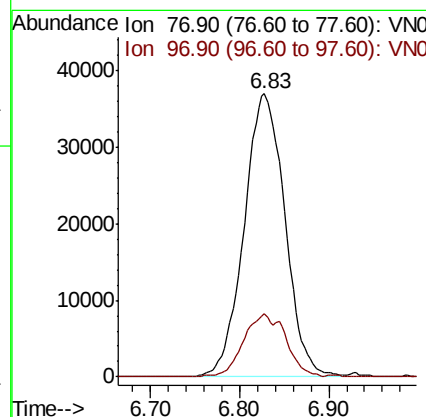
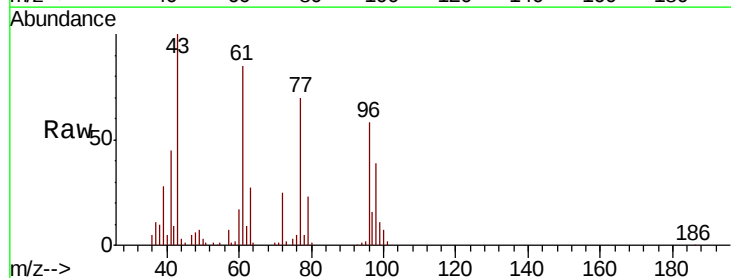
Acq: 5 Nov 2018 18:06

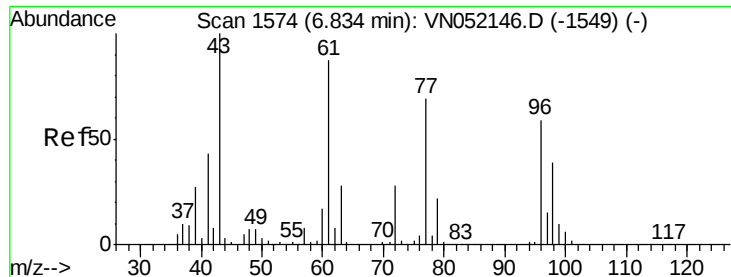
Tgt Ion: 77 Resp: 117543

Ion Ratio Lower Upper

77 100

97 15.5 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 20.383 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

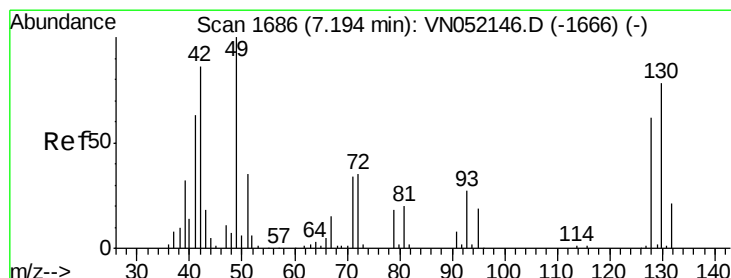
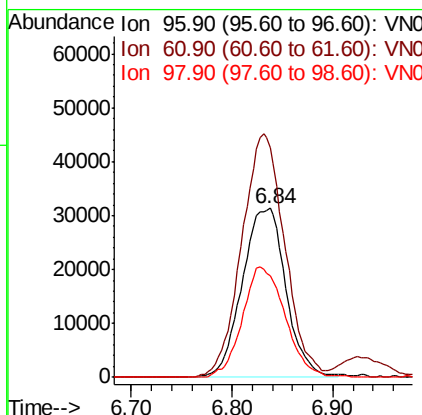
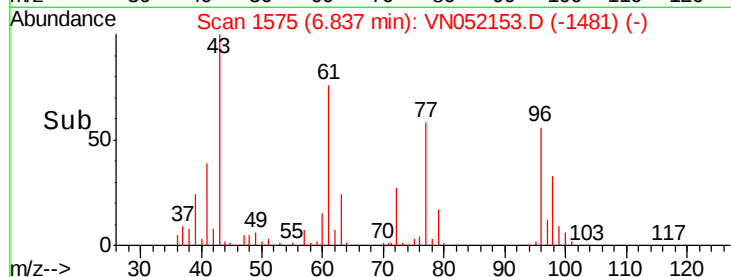
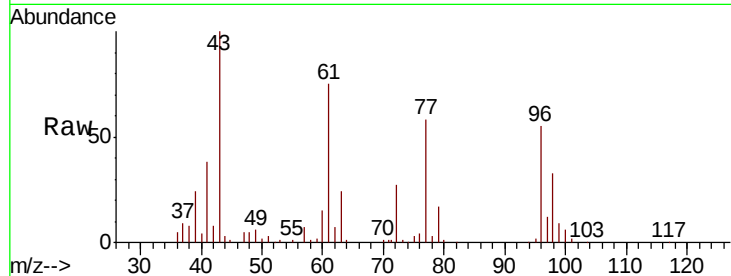
ClientSampleId :

VN1105WBS01

Tot Ion:	96	Resp:	94146
Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	291.8
98	64.1	0.0	130.0

Manual Integrations
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MMDadoda
11/6/2018 10:00:16 AM



#28

Bromochloromethane

Concen: 21.231 ug/l

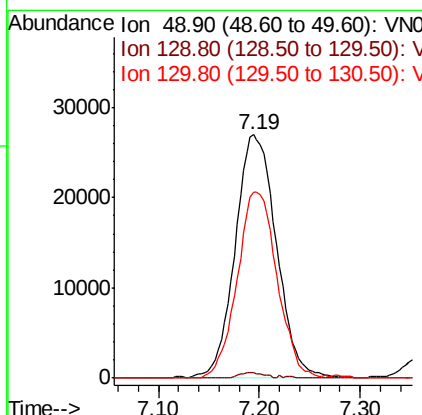
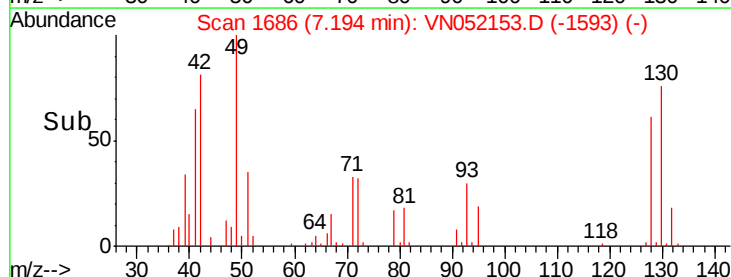
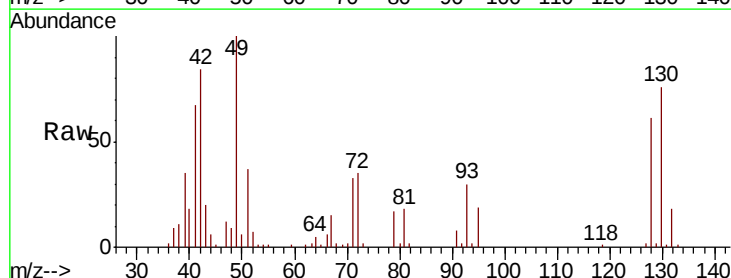
RT: 7.19 min Scan# 1686

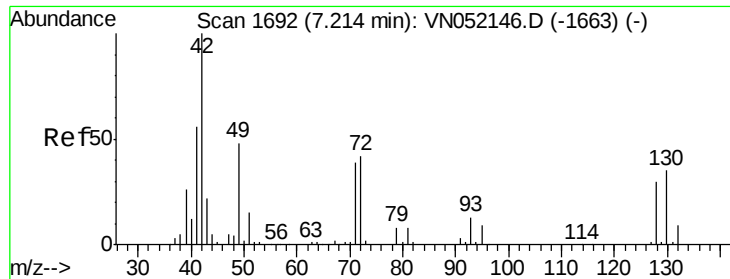
Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Tgt Ion:	49	Resp:	76502
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.4
130	73.8	59.8	89.6





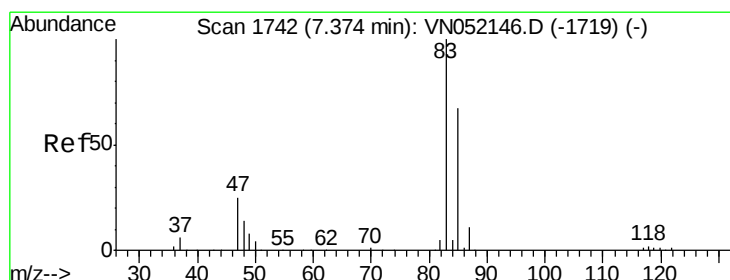
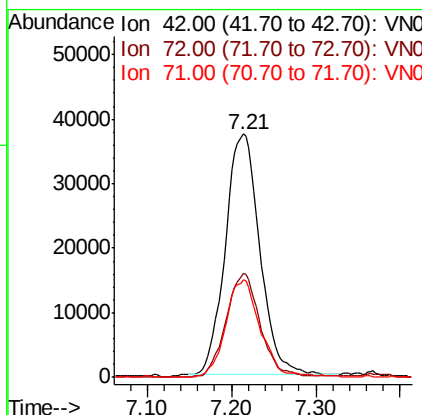
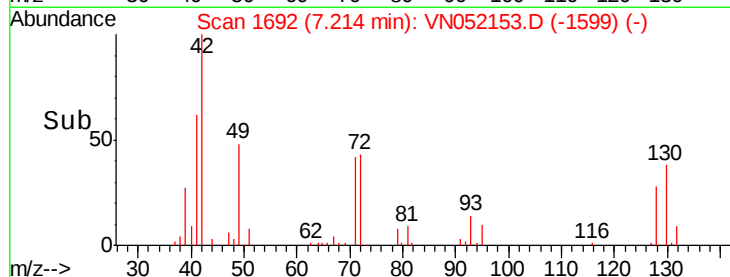
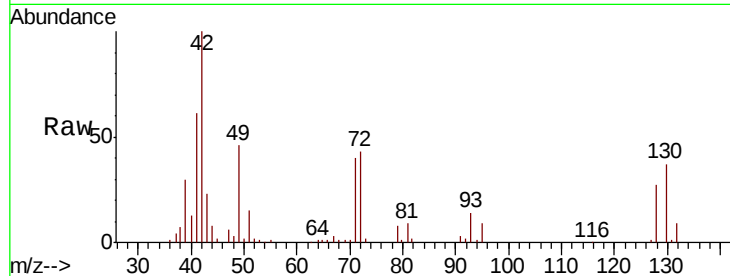
#29
Tetrahydrofuran
Concen: 103.813 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	32.3	48.5
71	40.2	31.0	46.6

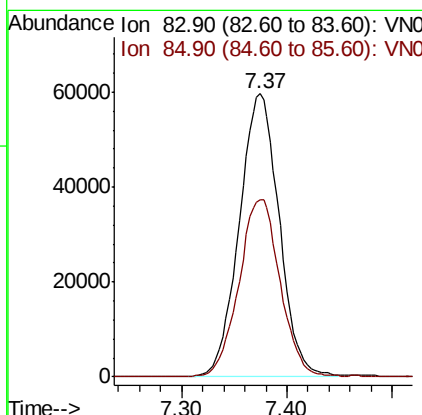
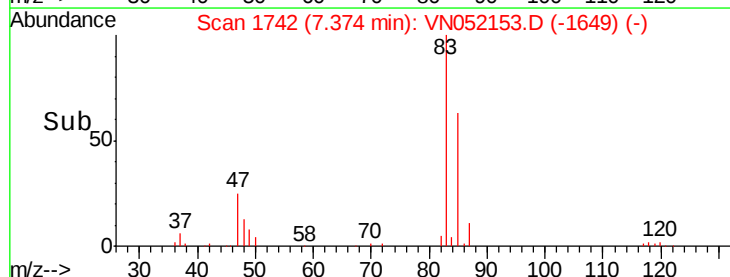
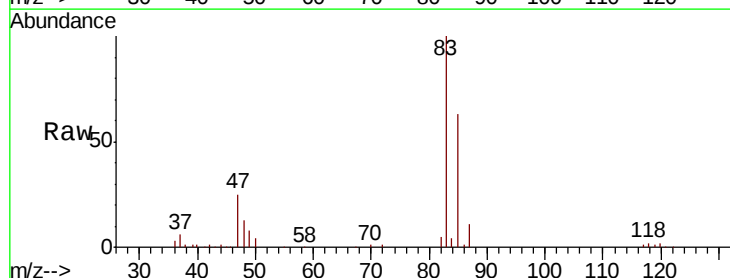
Manual Integrations
APPROVED

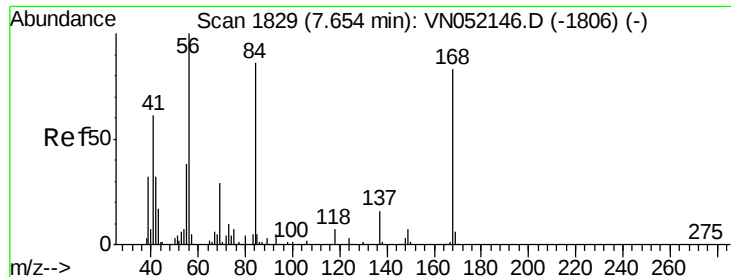
MMDadoda
11/6/2018 10:00:16 AM



#30
Chloroform
Concen: 20.670 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	53.7	80.5





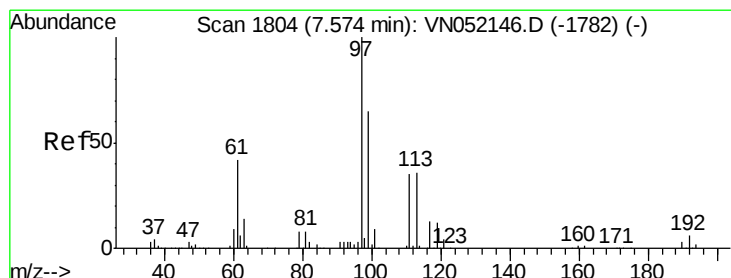
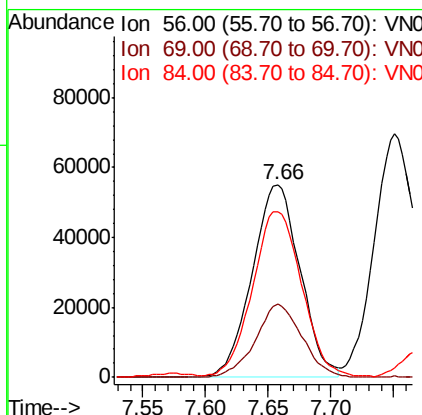
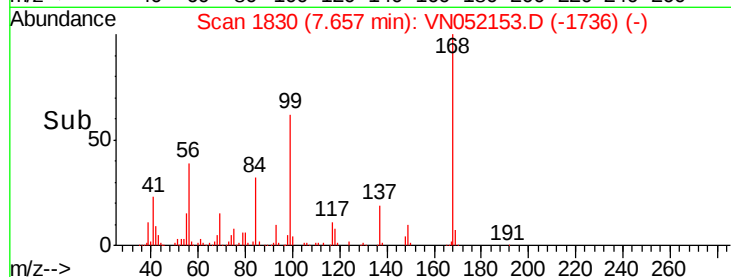
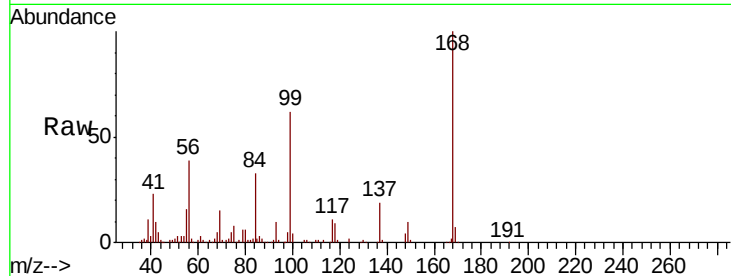
#31
Cyclohexane
Concen: 19.549 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.9	23.5	35.3#
84	84.7	68.7	103.1

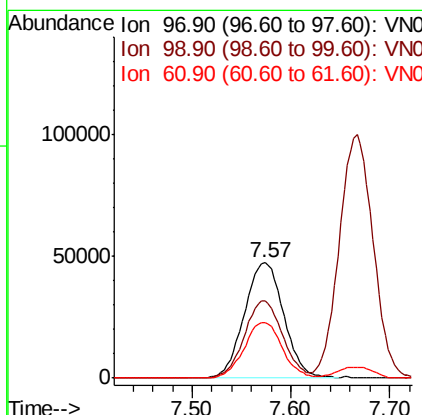
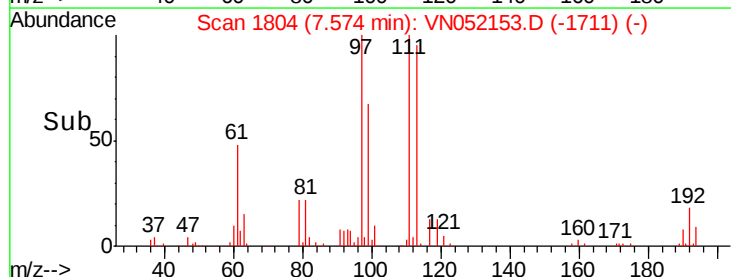
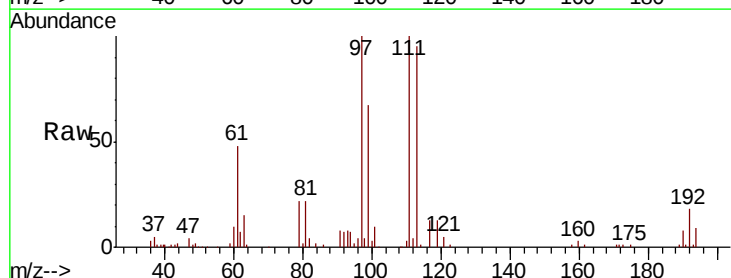
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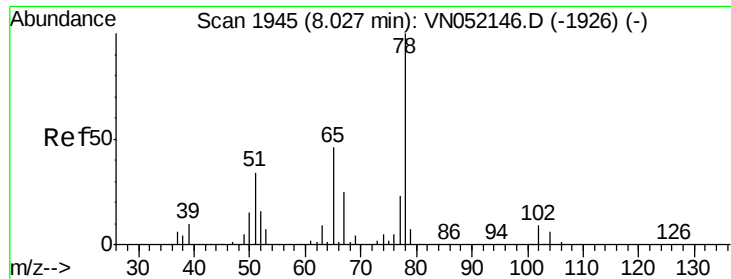
MMDadoda
11/6/2018 10:00:16 AM



#32
1,1,1-Trichloroethane
Concen: 19.615 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	46.5	35.1	52.7





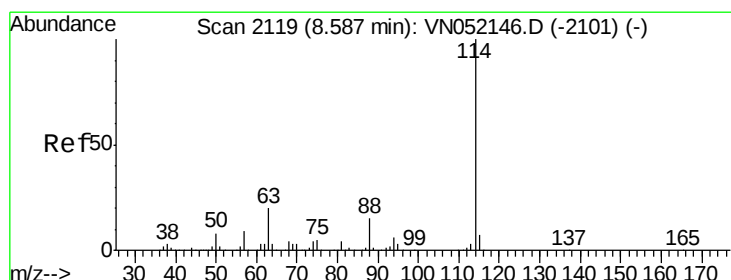
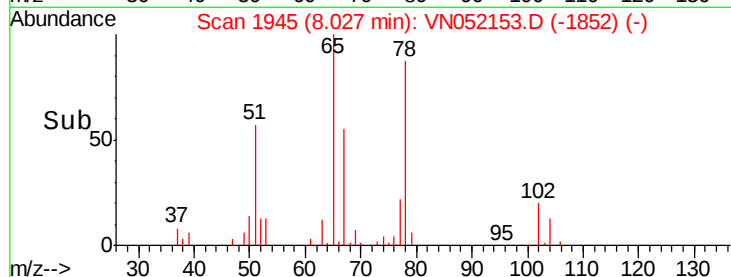
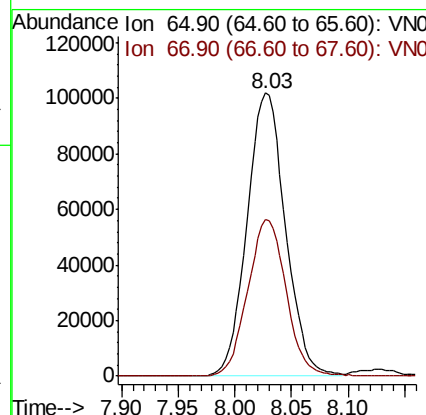
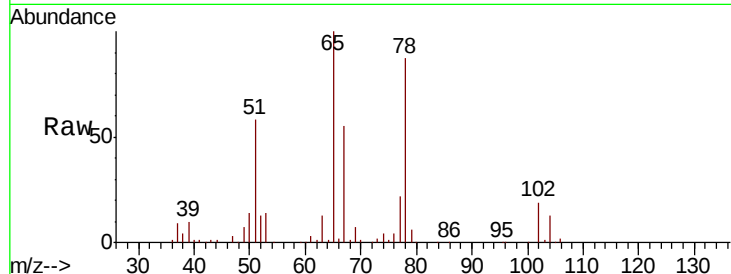
#33
 1,2-Dichloroethane-d4
 Concen: 19.615 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	240878		
67	55.3	0.0	107.6	

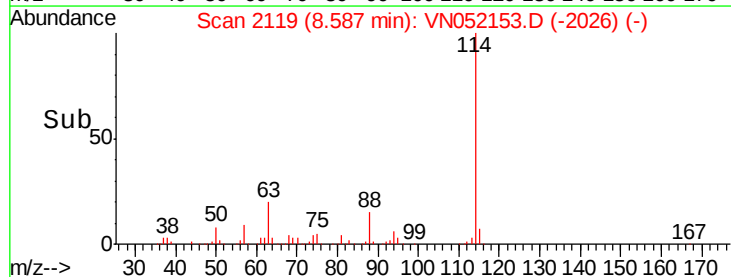
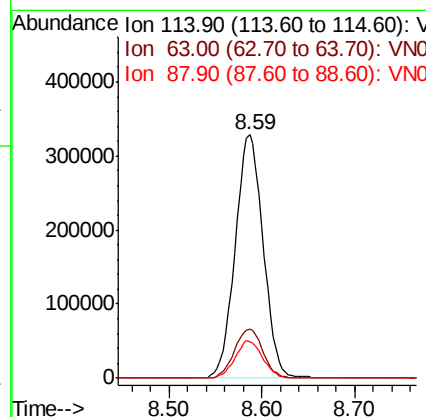
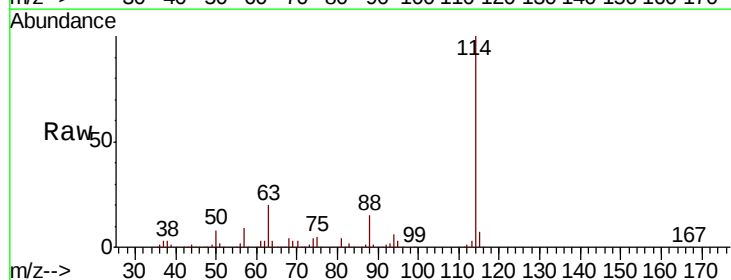
Manual Integrations
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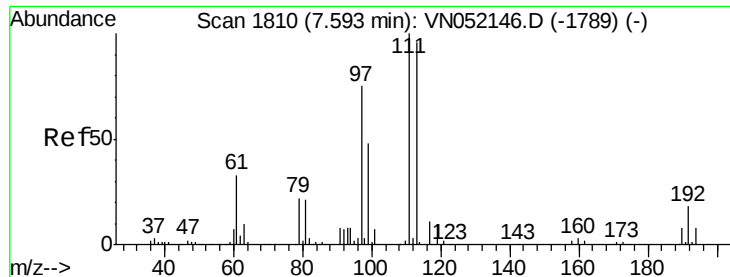
MMDadoda
 11/6/2018 10:00:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	685309		
63	20.0	0.0	40.0	
88	15.1	0.0	31.0	





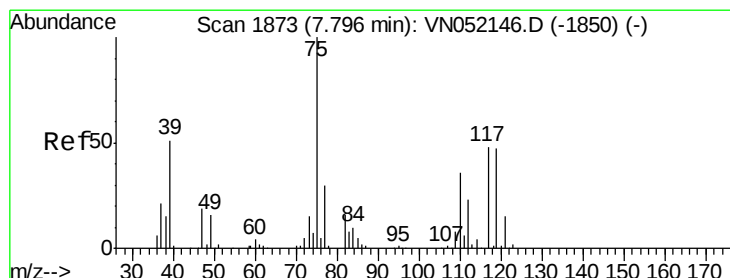
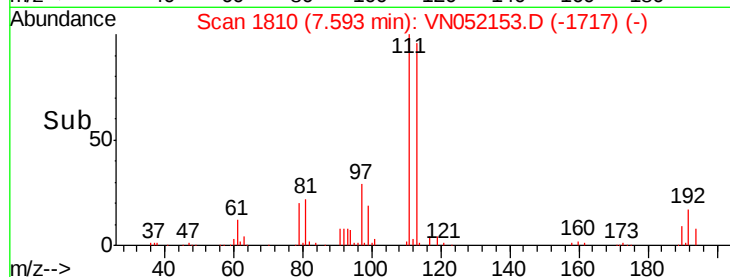
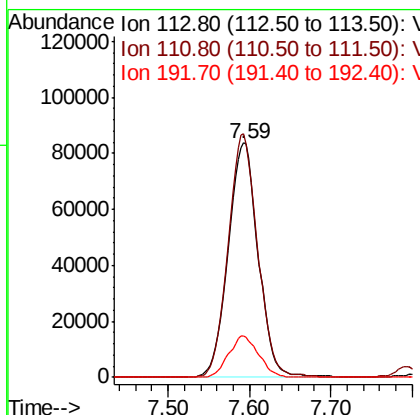
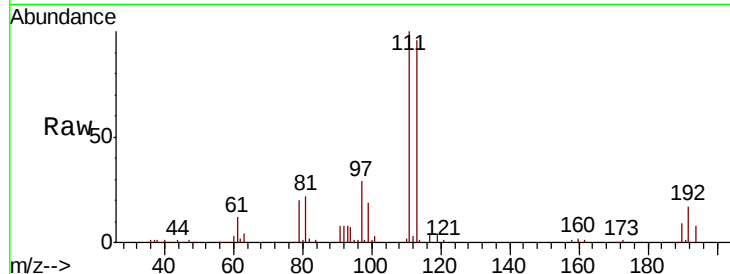
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.0	81.7	122.5	
192	17.6	14.2	21.4	

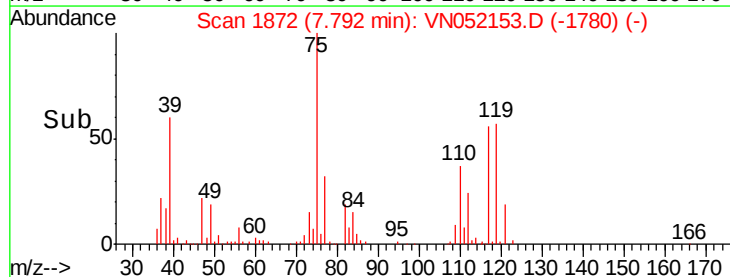
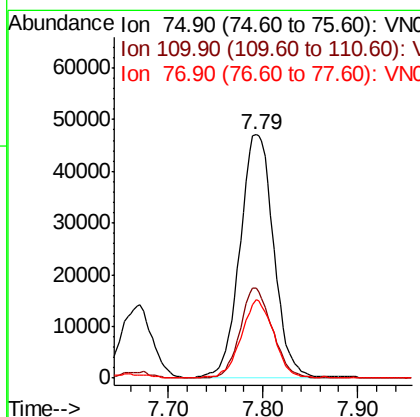
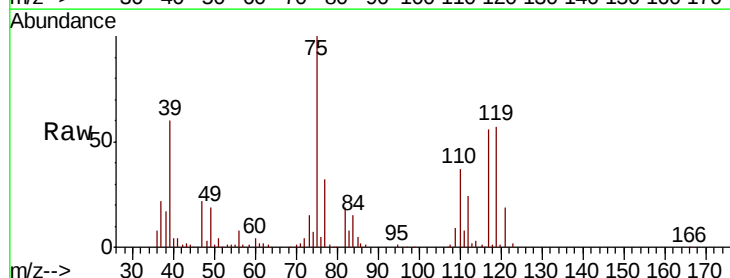
Manual Integrations
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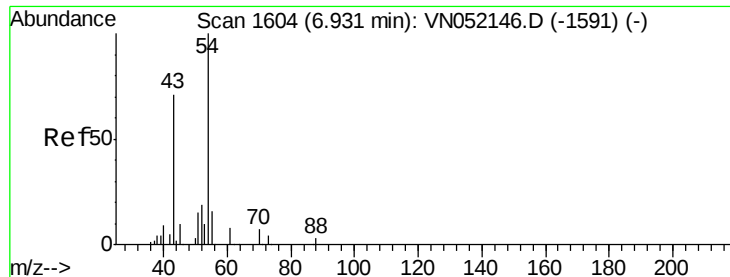
MMDadoda
 11/6/2018 10:00:16 AM



#36
 1,1-Dichloropropene
 Concen: 19.062 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.6	17.8	53.5	
77	31.3	24.0	36.0	





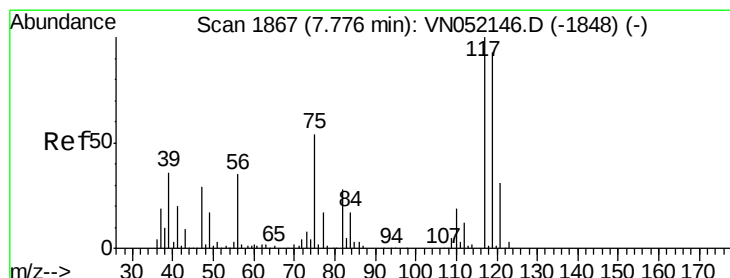
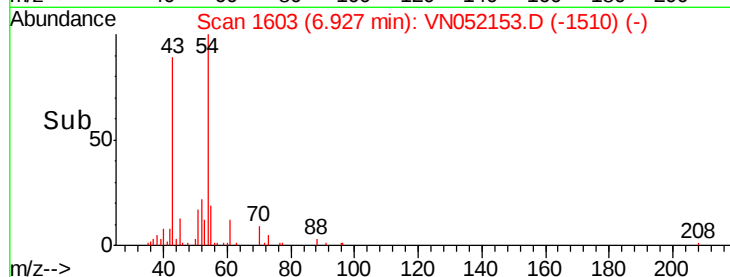
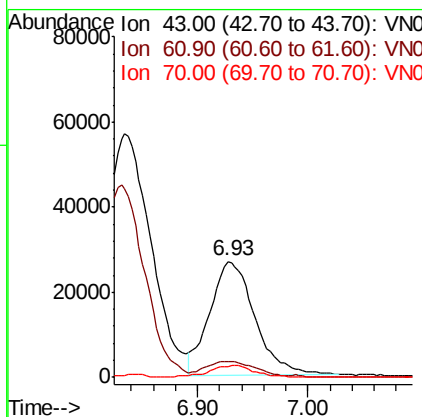
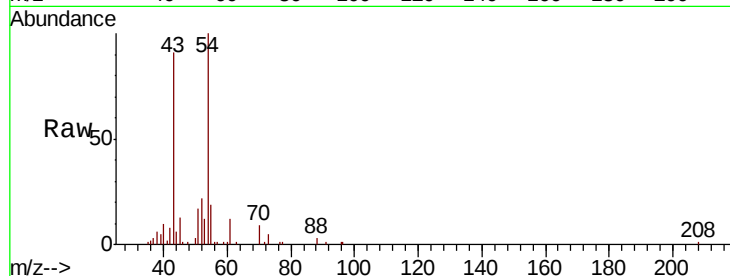
#37
Ethyl Acetate
Concen: 20.404 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	9.4	14.2
70	10.3	7.6	11.4

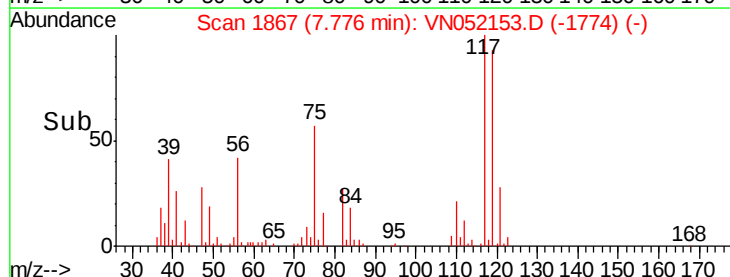
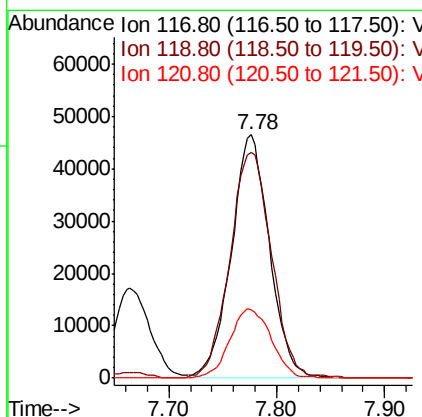
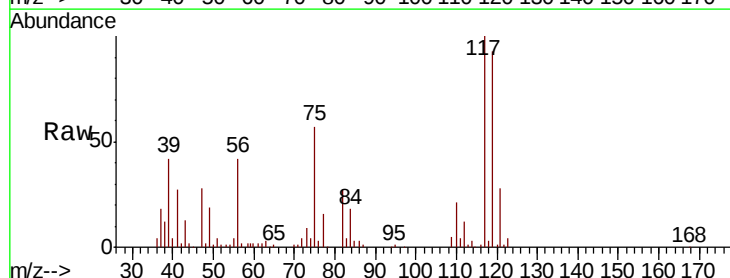
Manual Integrations
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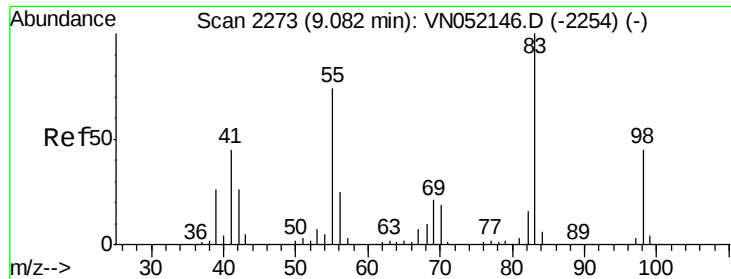
MMDadoda
11/6/2018 10:00:16 AM



#38
Carbon Tetrachloride
Concen: 18.901 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	74.7	112.1
121	28.1	24.5	36.7





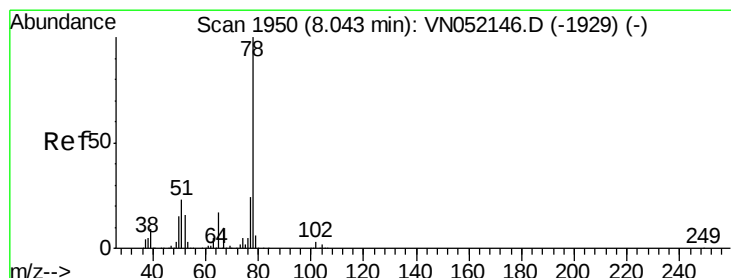
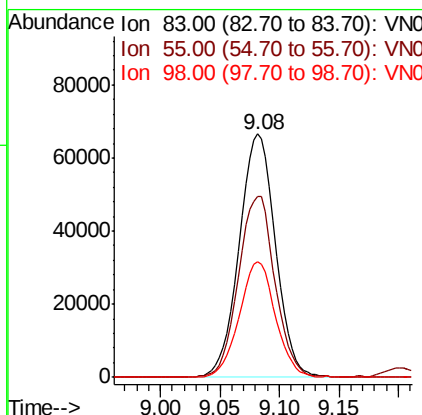
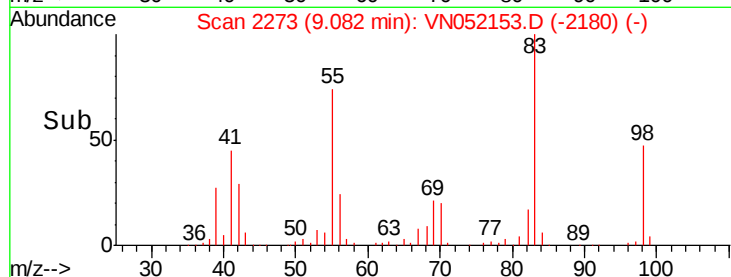
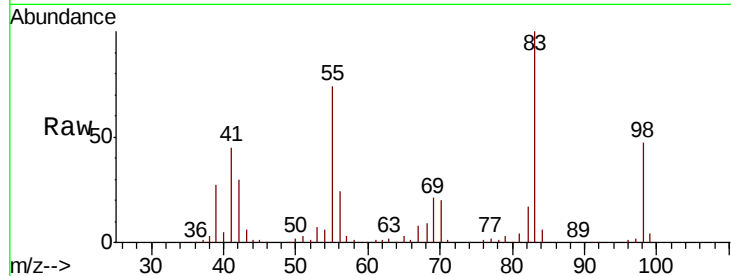
#39
Methvlcvclohexane
Concen: 19.592 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.5	59.4	89.2
98	47.3	36.3	54.5

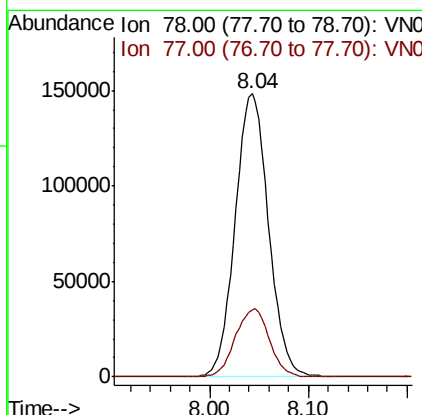
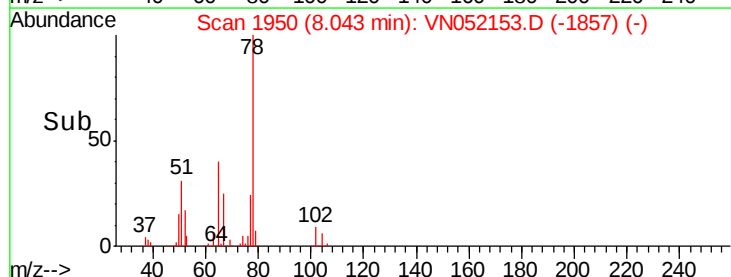
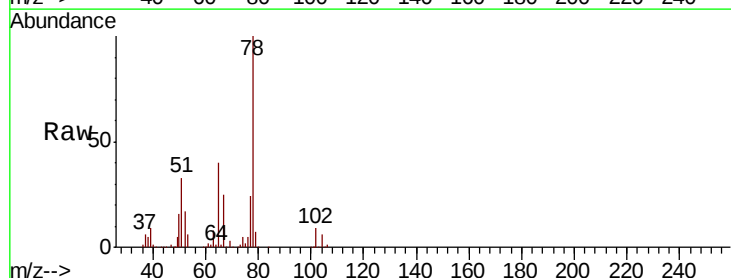
Manual Integrations
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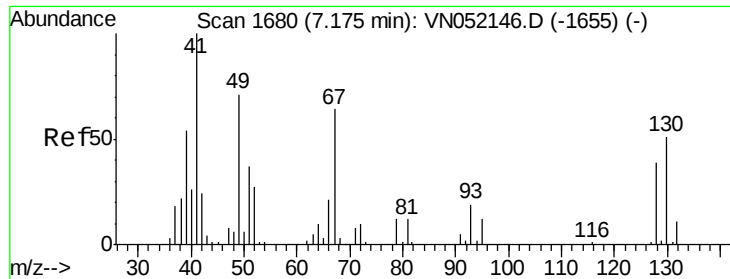
MMDadoda
11/6/2018 10:00:16 AM



#40
Benzene
Concen: 19.560 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





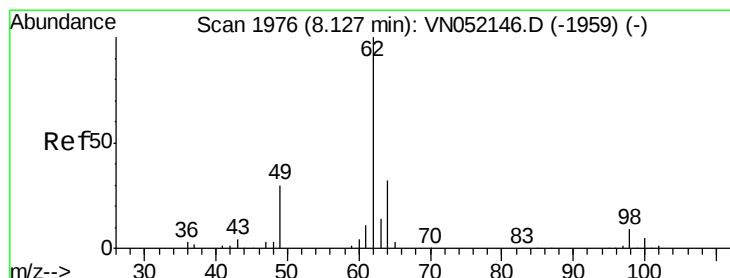
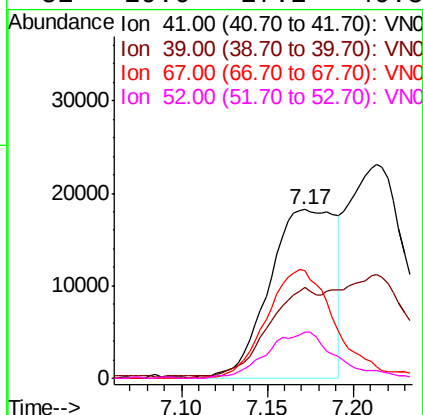
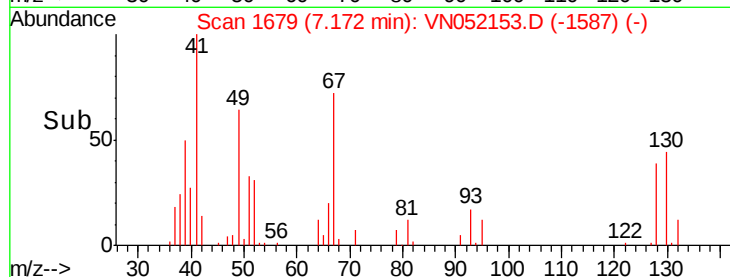
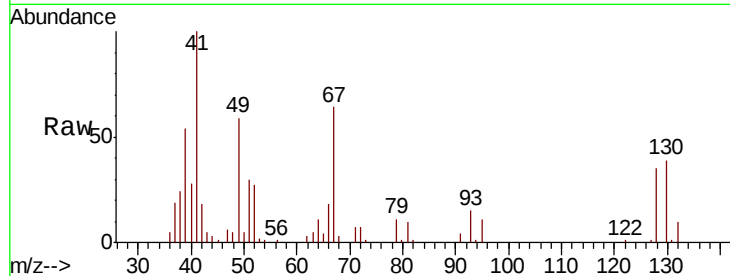
#41
Methacrylonitrile
Concen: 24.053 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion	41	Resp	48811
Ion Ratio	Lower	Upper	
41	100		
39	36.8	49.6	74.4#
67	67.7	65.4	98.2
52	29.0	27.2	40.8

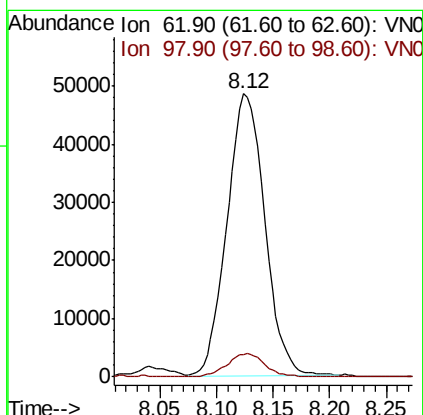
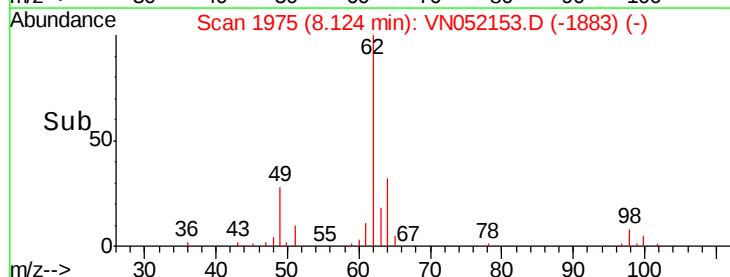
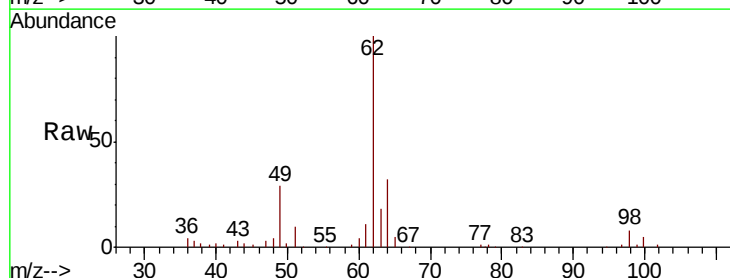
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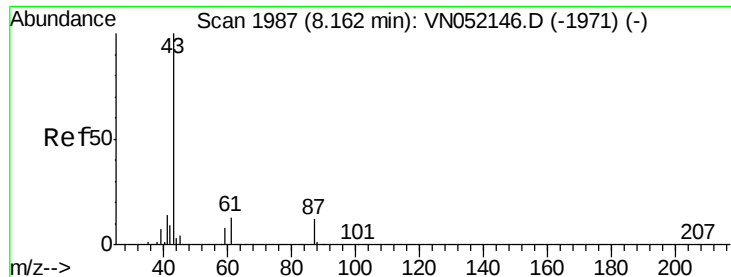
MMDadoda
11/6/2018 10:00:16 AM



#42
1,2-Dichloroethane
Concen: 19.688 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion	62	Resp	112798
Ion Ratio	Lower	Upper	
62	100		
98	8.3	0.0	18.2





#43

Isopropyl Acetate

Concen: 20.428 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

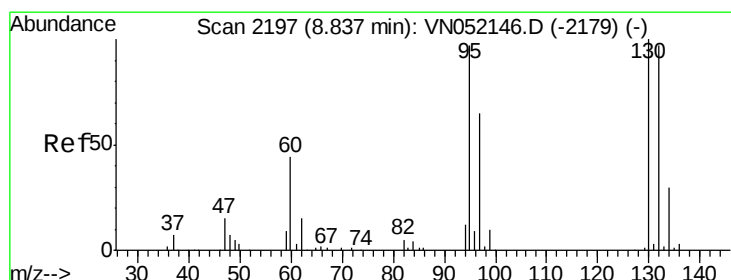
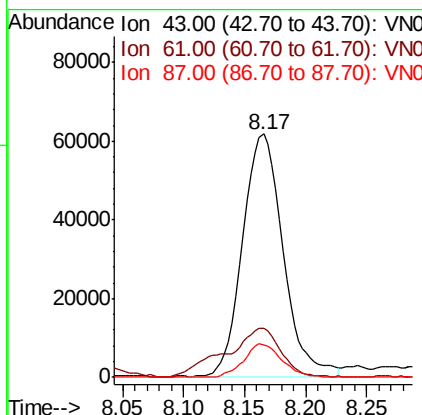
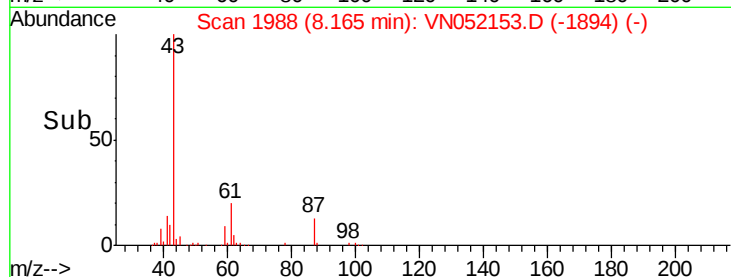
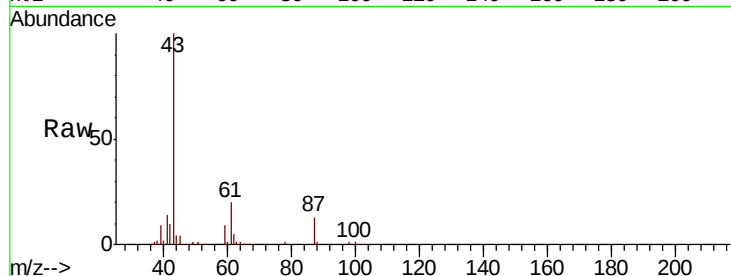
ClientSampleId :

VN1105WBS01

Tot Ion:	43	Resp:	141304
Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.5	32.3
87	13.0	10.2	15.2

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#44

Trichloroethene

Concen: 19.401 ug/l

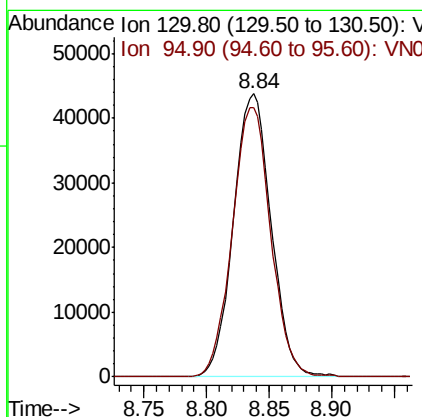
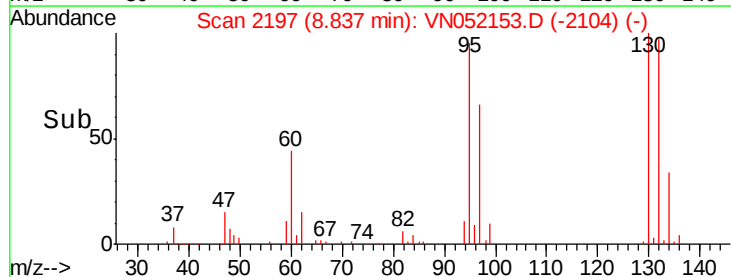
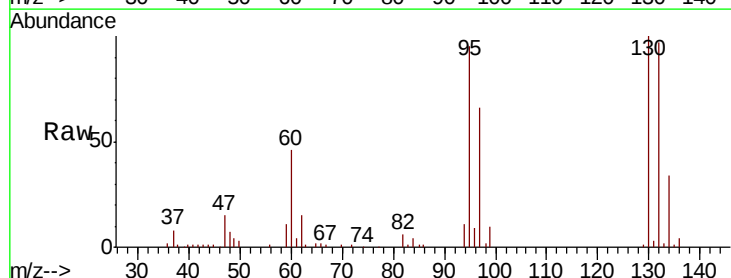
RT: 8.84 min Scan# 2197

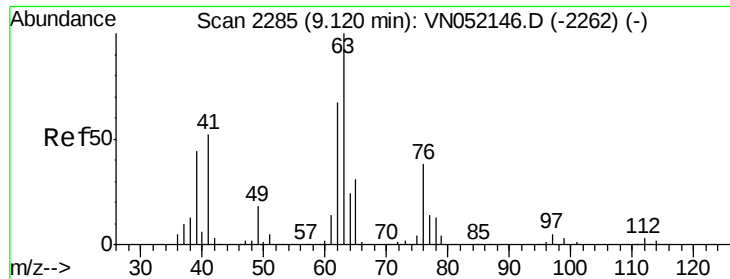
Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Tgt Ion:	130	Resp:	91543
Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	193.8





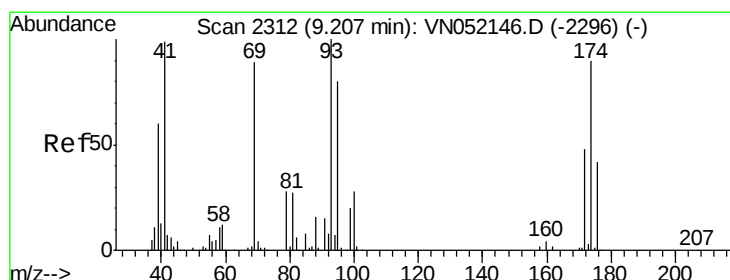
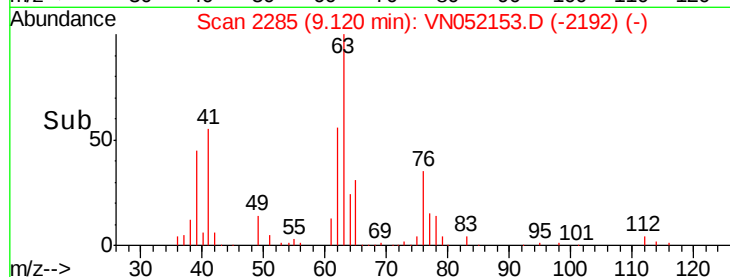
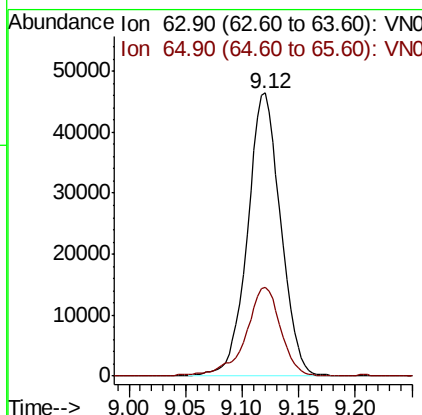
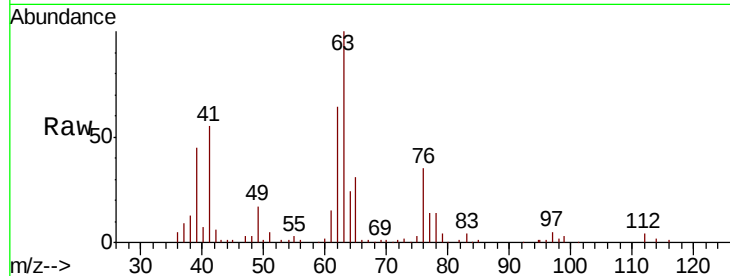
#45
 1,2-Dichloropropane
 Concen: 20.037 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tot Ion: 63 Resp: 94571
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.4 36.6

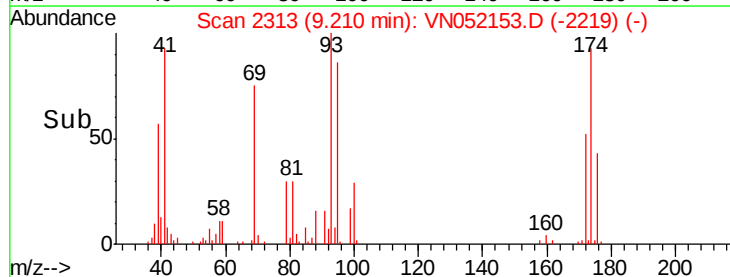
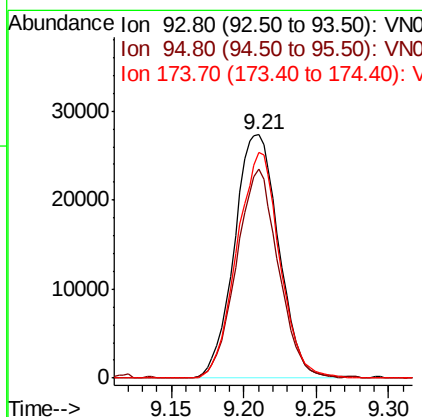
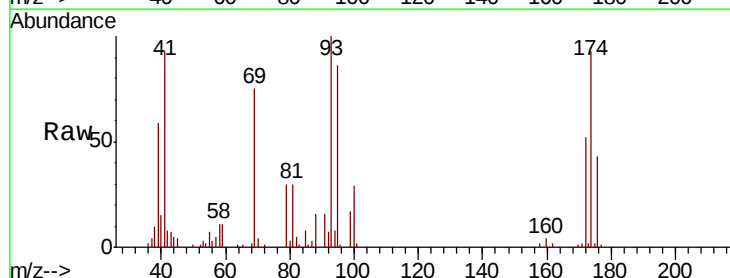
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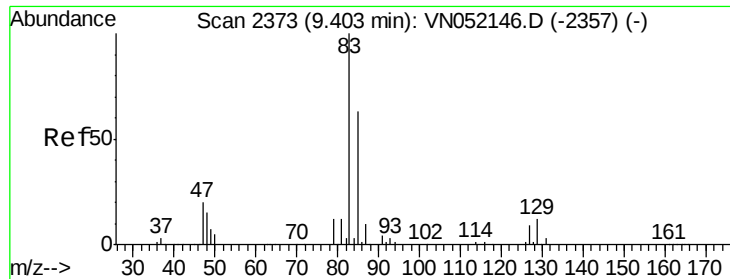
MMDadoda
 11/6/2018 10:00:16 AM



#46
 Dibromomethane
 Concen: 19.379 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion: 93 Resp: 58168
 Ion Ratio Lower Upper
 93 100
 95 81.0 64.5 96.7
 174 89.7 74.6 112.0





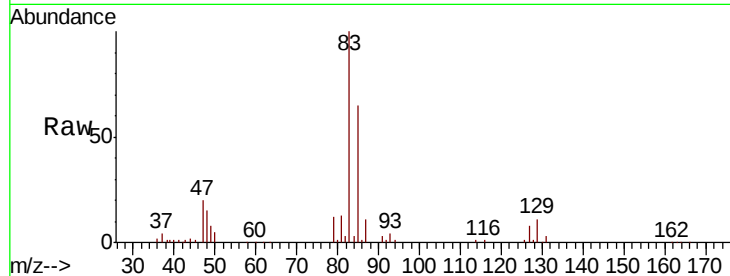
#47
Bromodichloromethane
Concen: 19.042 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion	83	Resp	111470
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	50.5	75.7
127	8.3	7.2	10.8

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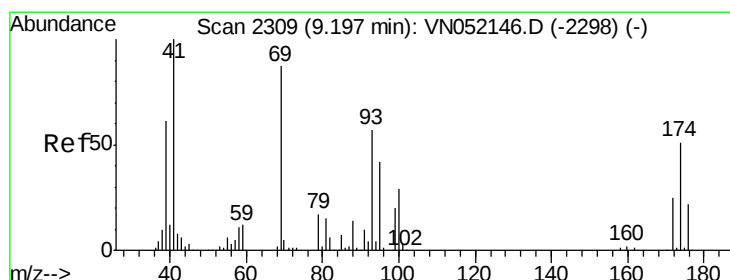
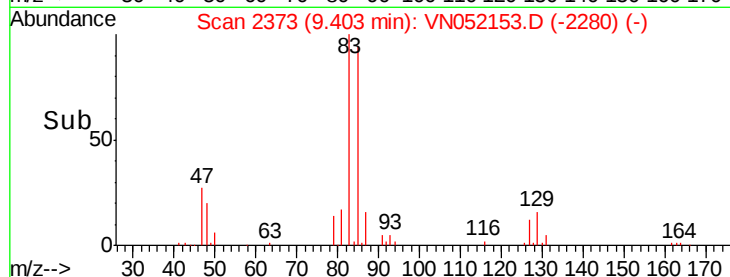
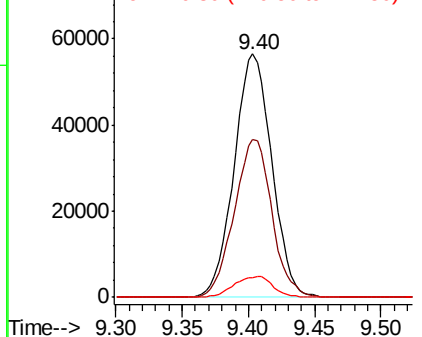
MMDadoda
11/6/2018 10:00:16 AM



Abundance Ion 82.90 (82.60 to 83.60): VN052153.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052153.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052153.D (-2280) (-)



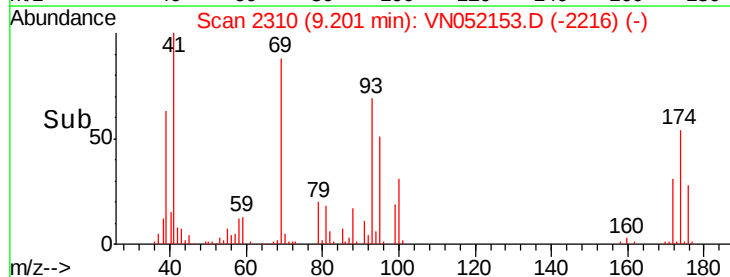
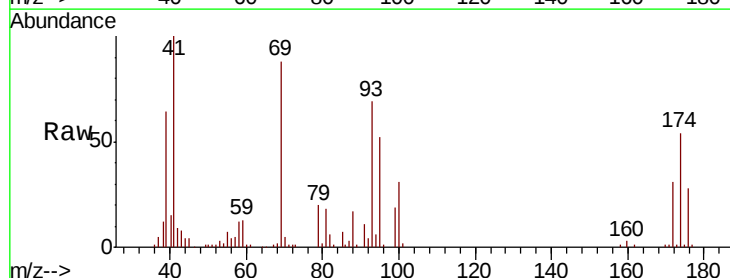
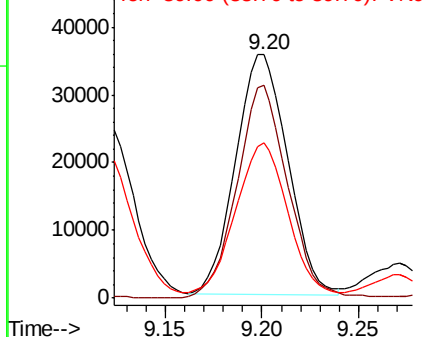
#48
Methyl methacrylate
Concen: 19.917 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

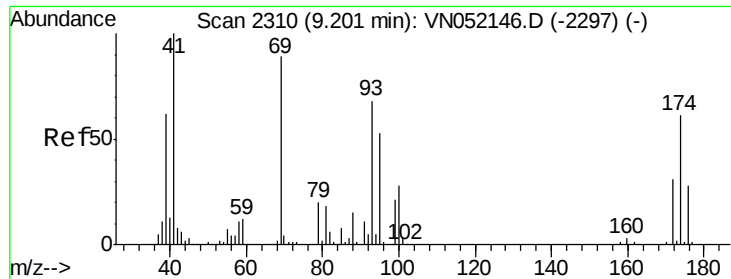
Tgt Ion	41	Resp	66308
Ion Ratio	100	Lower	Upper
41	100		
69	87.0	69.7	104.5
39	65.2	50.6	76.0

Abundance Ion 41.00 (40.70 to 41.70): VN052153.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052153.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052153.D (-2216) (-)





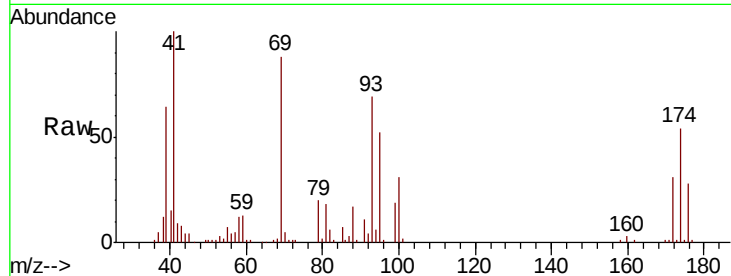
#49
 1,4-Dioxane
 Concen: 411.902 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

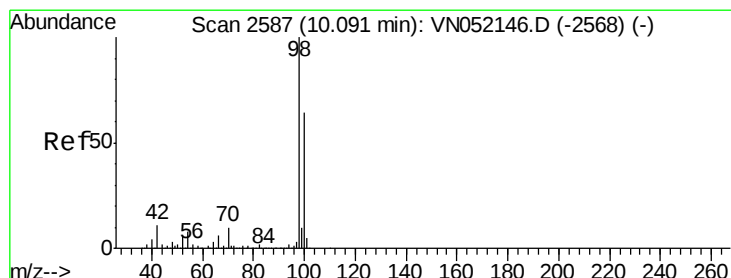
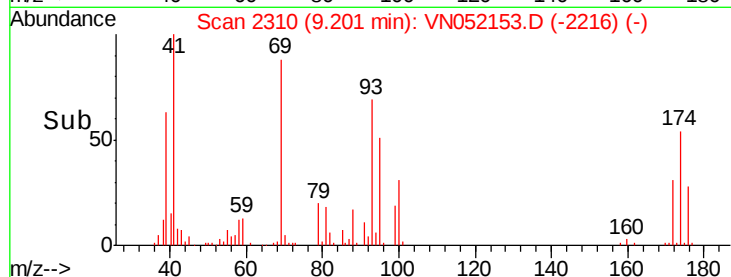
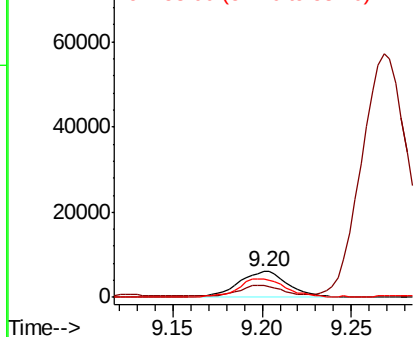
Tot Ion	88	Resp	11918
Ion	Ratio	Lower	Upper
88	100		
43	34.5	33.0	49.6
58	67.8	58.6	88.0

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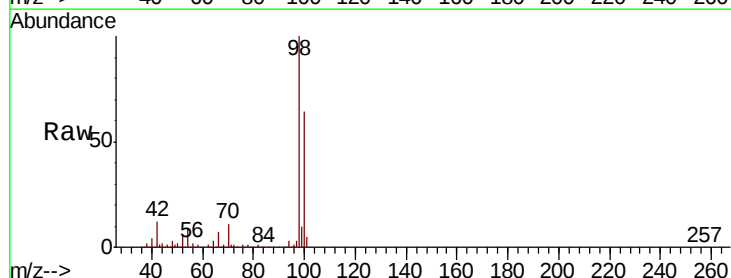


Abundance Ion 88.00 (87.70 to 88.70): VN052146.D (-2297) (-)
 Ion 43.00 (42.70 to 43.70): VN052146.D (-2297) (-)
 Ion 58.00 (57.70 to 58.70): VN052146.D (-2297) (-)

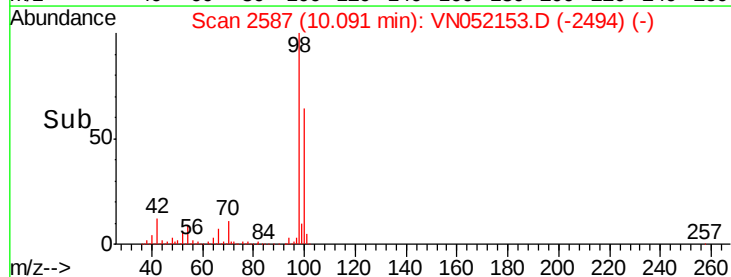
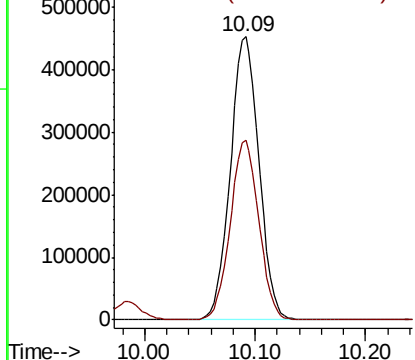


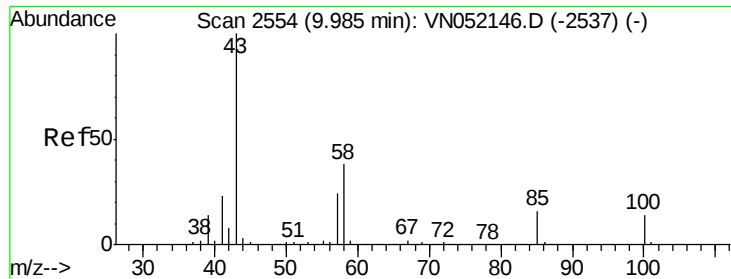
#50
 Toluene-d8
 Concen: 411.902 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion	98	Resp	813601
Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.5	75.7



Abundance Ion 98.00 (97.70 to 98.70): VN052146.D (-2568) (-)
 Ion 100.00 (99.70 to 100.70): VN052146.D (-2568) (-)





#51

4-Methyl-2-Pentanone

Concen: 103.059 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tot Ion: 43 Resp: 376621

Ion Ratio Lower Upper

43 100

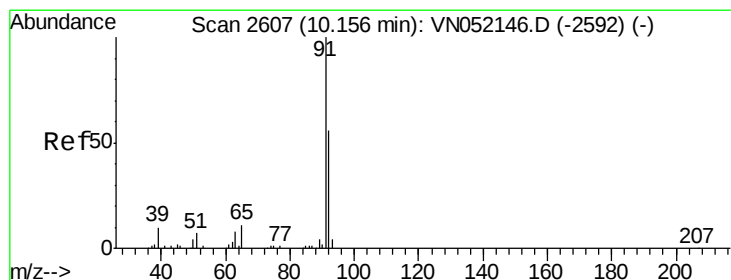
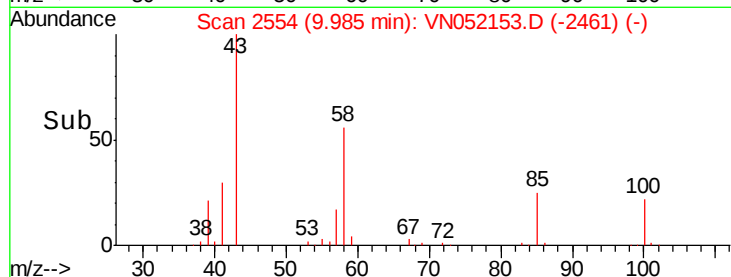
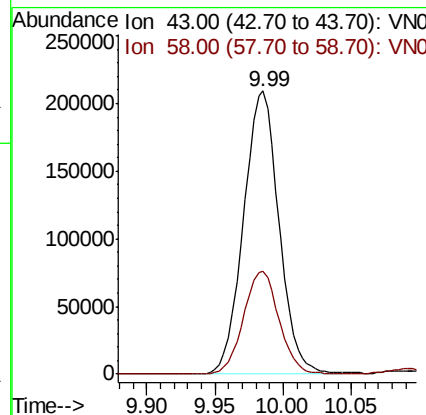
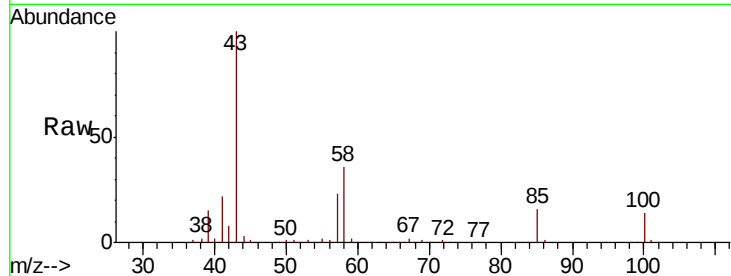
58 36.6 29.6 44.4

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#52

Toluene

Concen: 20.475 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052153.D

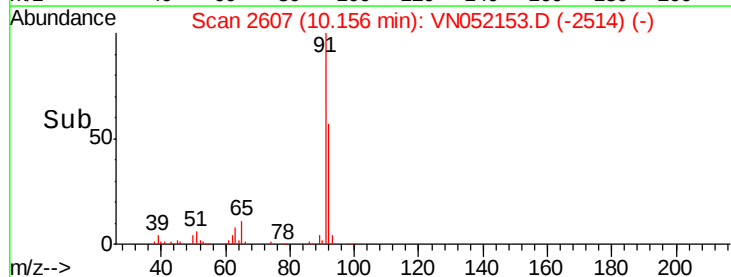
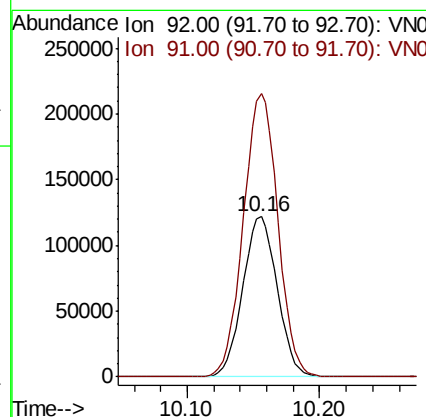
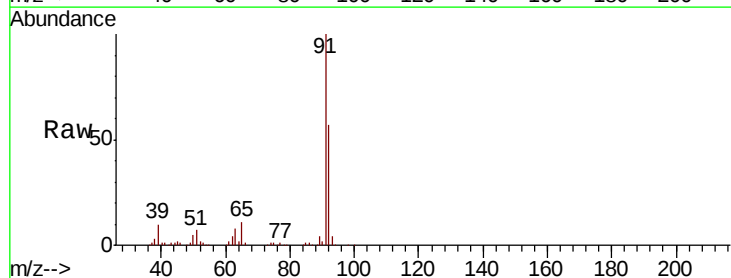
Acq: 5 Nov 2018 18:06

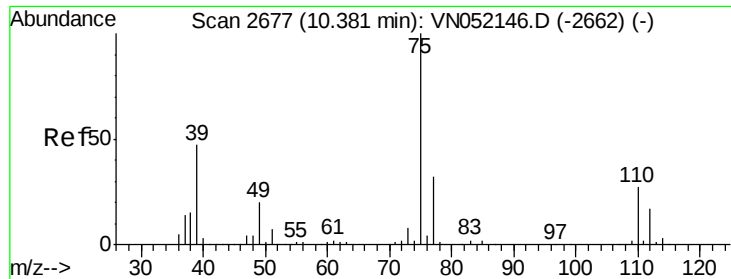
Tgt Ion: 92 Resp: 220047

Ion Ratio Lower Upper

92 100

91 177.1 142.5 213.7





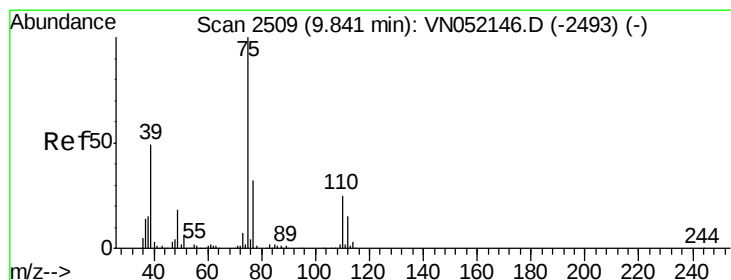
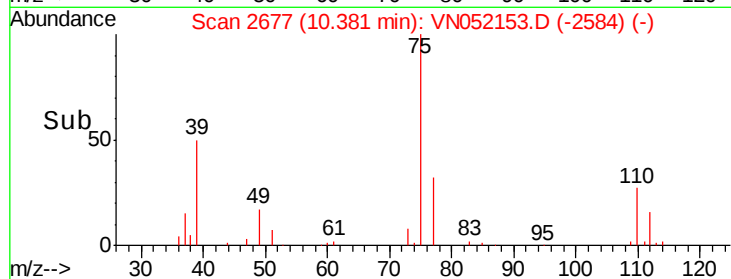
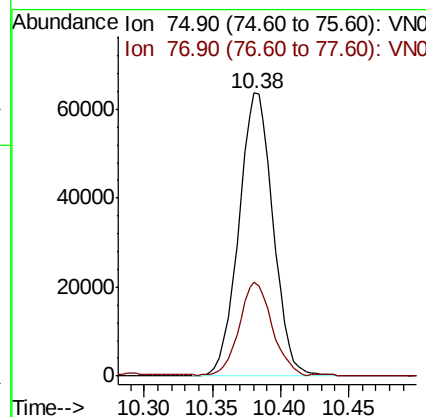
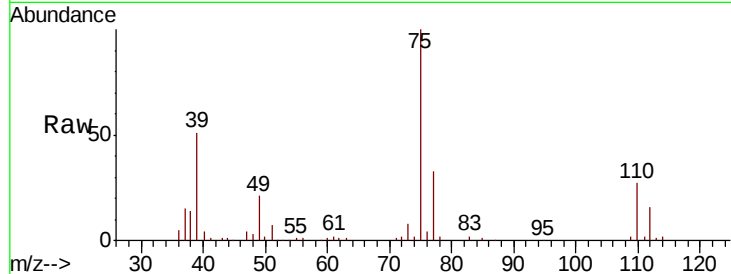
#53
t-1,3-Dichloropropene
Concen: 19.294 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion: 75 Resp: 110798
Ion Ratio Lower Upper
75 100
77 33.0 25.8 38.6

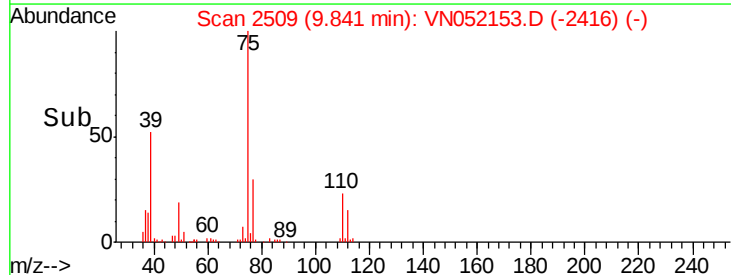
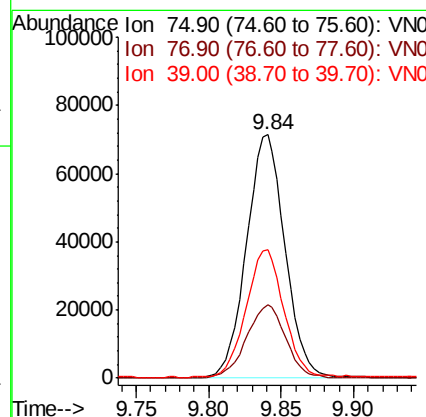
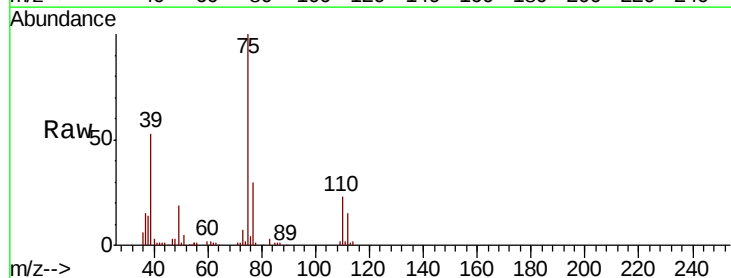
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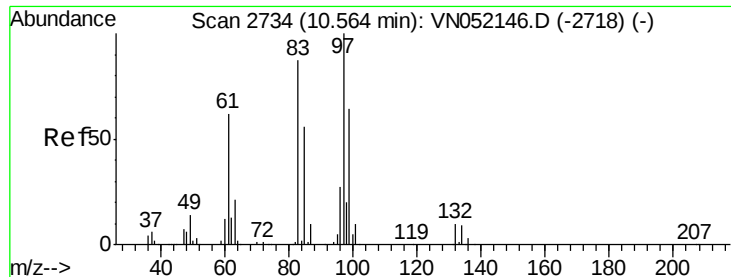
MMDadoda
11/6/2018 10:00:16 AM



#54
cis-1,3-Dichloropropene
Concen: 19.626 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion: 75 Resp: 131884
Ion Ratio Lower Upper
75 100
77 30.0 25.8 38.8
39 52.0 39.2 58.8





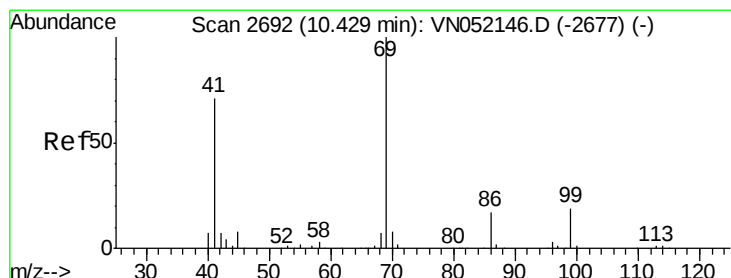
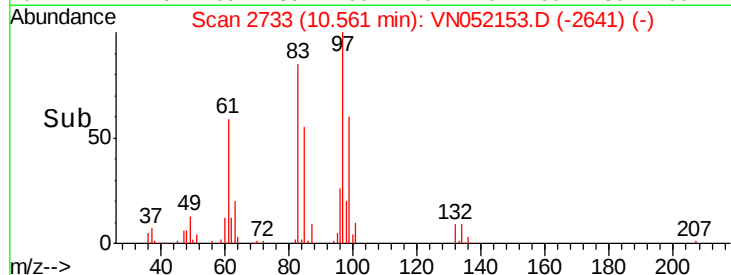
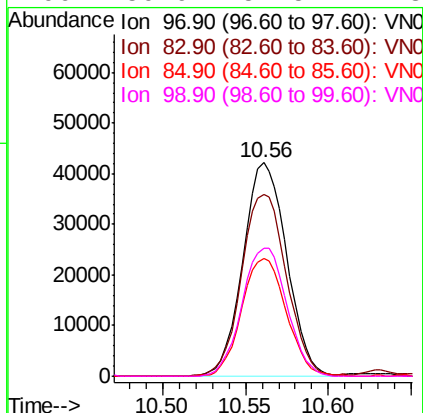
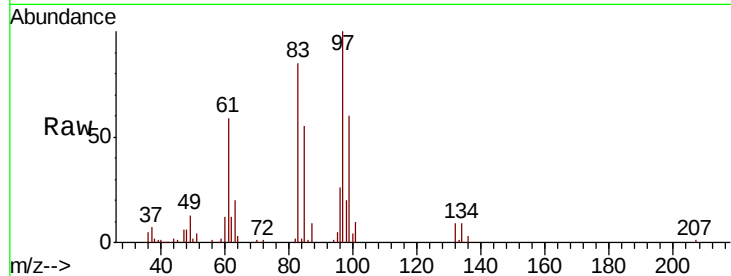
#55
 1,1,2-Trichloroethane
 Concen: 20.398 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tot Ion:	97	Resp:	77288
Ion	Ratio	Lower	Upper
97	100		
83	85.3	69.3	103.9
85	55.1	44.9	67.3
99	59.9	51.5	77.3

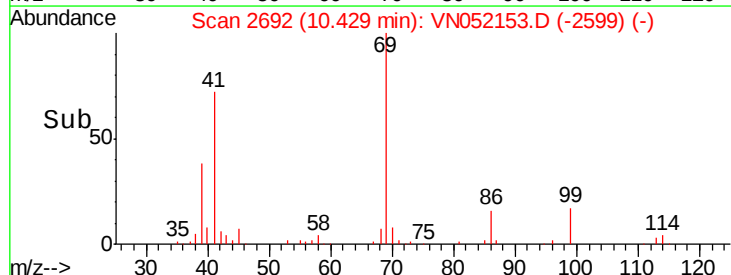
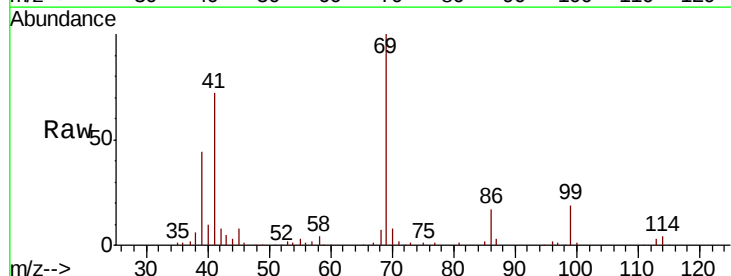
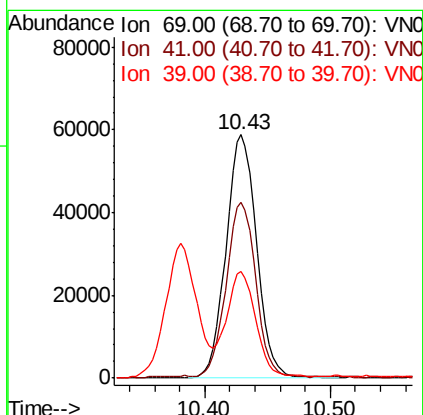
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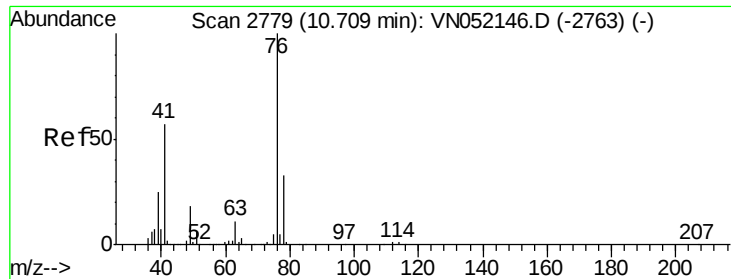
MMDadoda
 11/6/2018 10:00:16 AM



#56
 Ethyl methacrylate
 Concen: 20.161 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion:	69	Resp:	99573
Ion	Ratio	Lower	Upper
69	100		
41	69.4	55.4	83.0
39	41.6	32.0	48.0





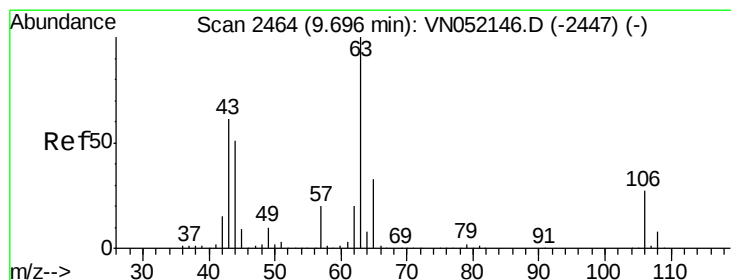
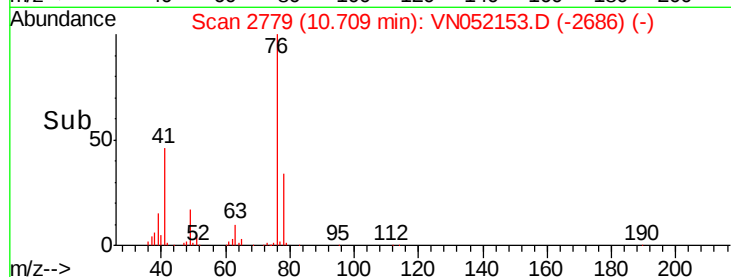
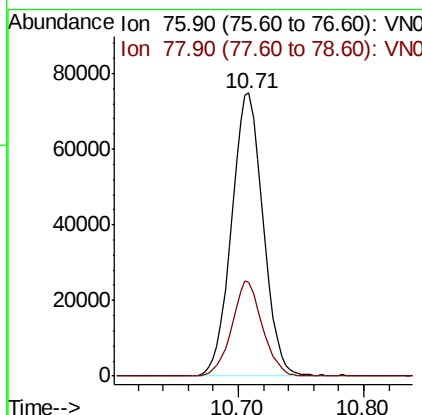
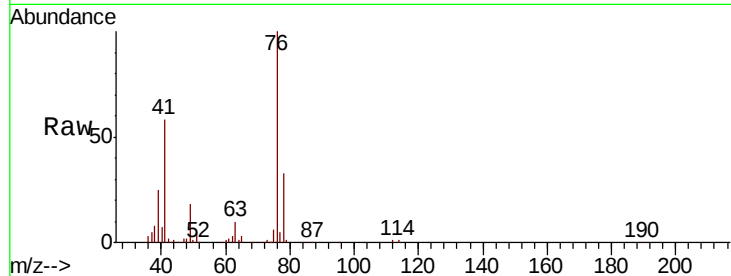
#57
 1,3-Dichloropropane
 Concen: 19.585 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

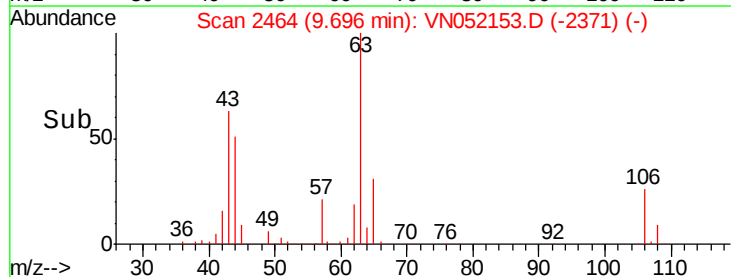
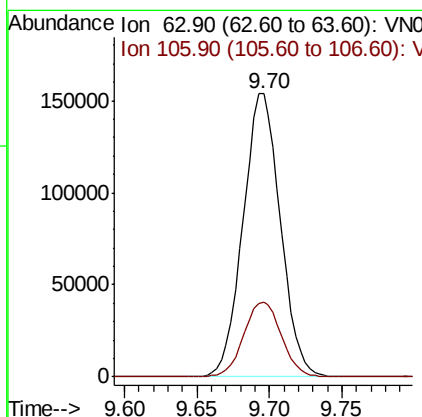
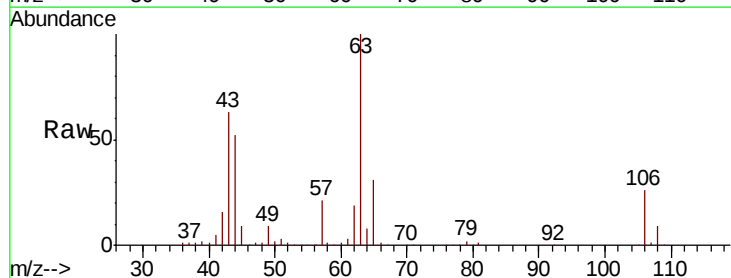
Manual Integrations
 APPROVED

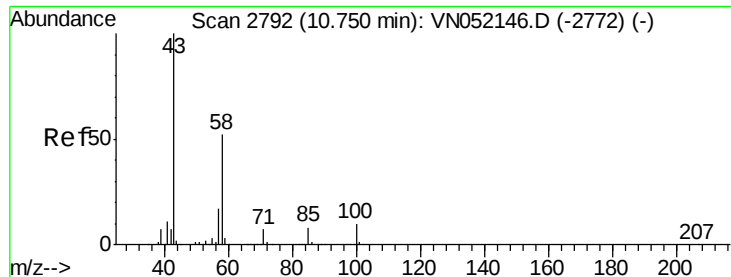
MMDadoda
 11/6/2018 10:00:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.836 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.0	31.4





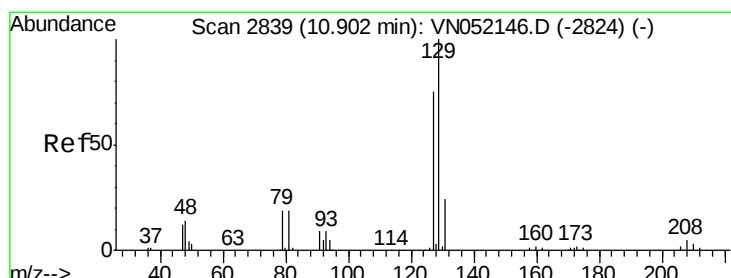
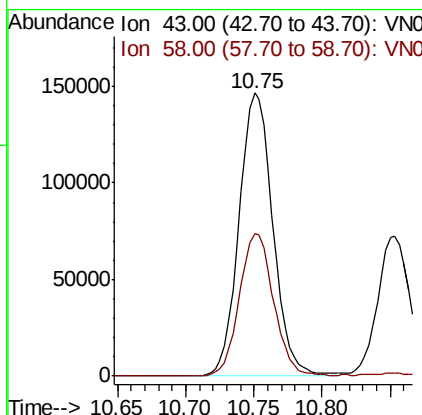
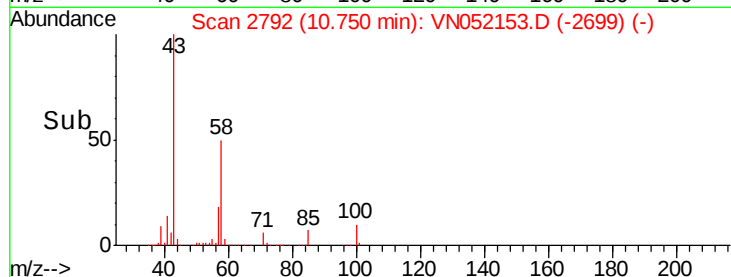
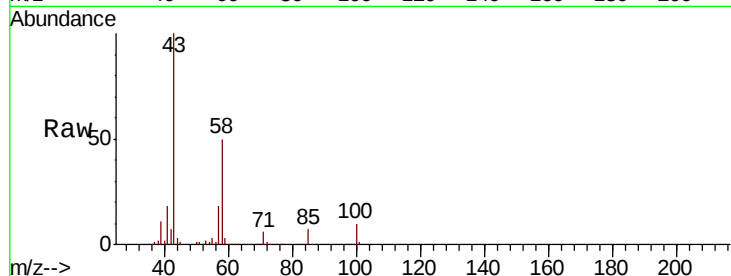
#59
2-Hexanone
Concen: 98.766 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion: 43 Resp: 251253
Ion Ratio Lower Upper
43 100
58 51.1 25.8 77.4

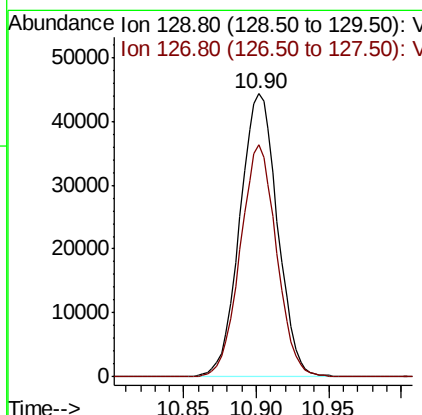
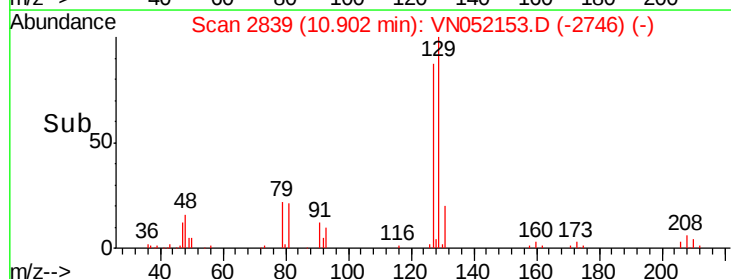
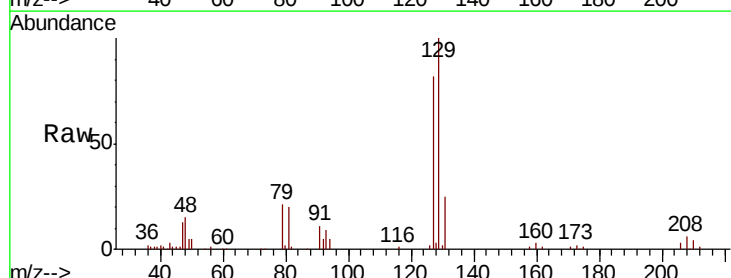
Manual Integrations
APPROVED

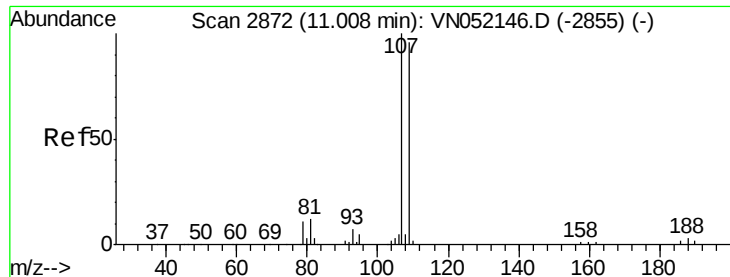
MMDadoda
11/6/2018 10:00:16 AM



#60
Dibromochloromethane
Concen: 18.536 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion: 129 Resp: 79872
Ion Ratio Lower Upper
129 100
127 79.1 38.0 114.1





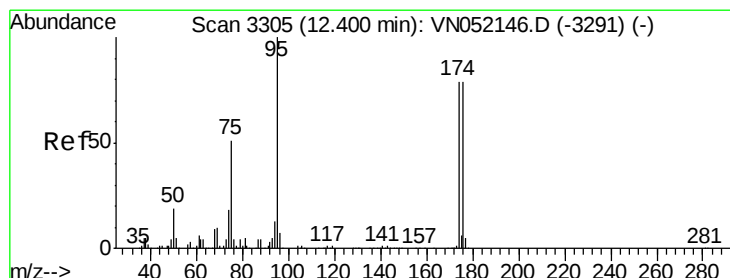
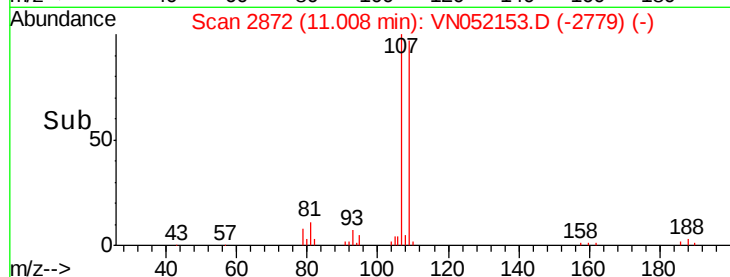
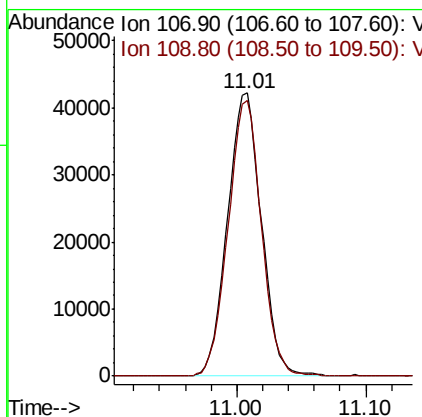
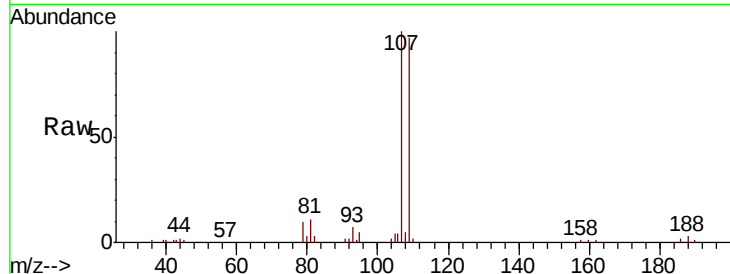
#61
 1,2-Dibromoethane
 Concen: 19.962 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tot Ion: 107 Resp: 76778
 Ion Ratio Lower Upper
 107 100
 109 95.8 76.0 114.0

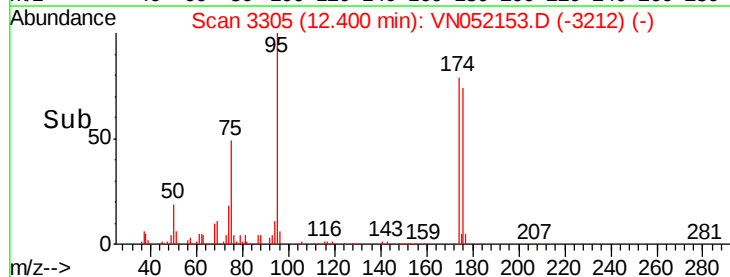
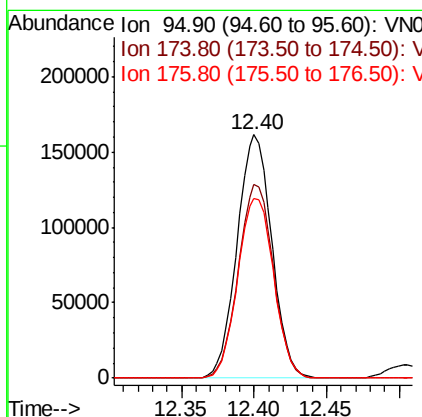
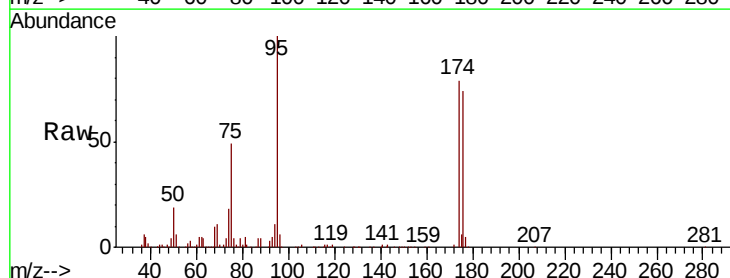
Manual Integrations
 APPROVED

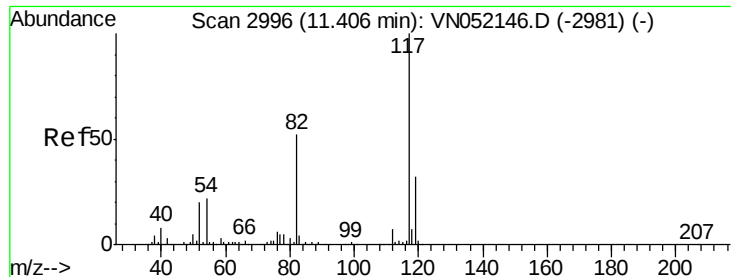
MMDadoda
 11/6/2018 10:00:16 AM



#62
 4-Bromofluorobenzene
 Concen: 19.962 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion: 95 Resp: 268706
 Ion Ratio Lower Upper
 95 100
 174 80.4 0.0 162.6
 176 76.7 0.0 155.4





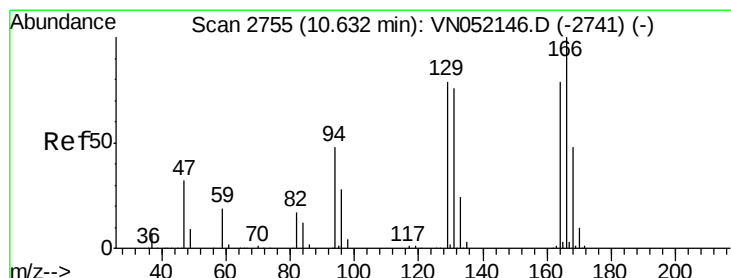
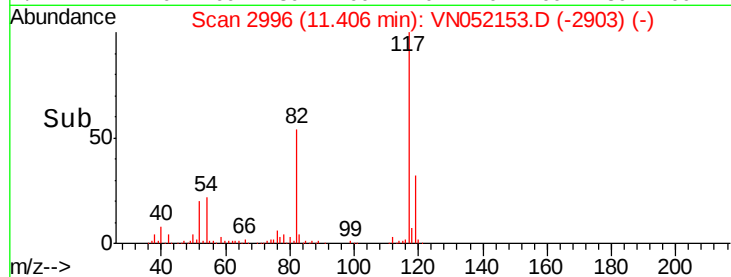
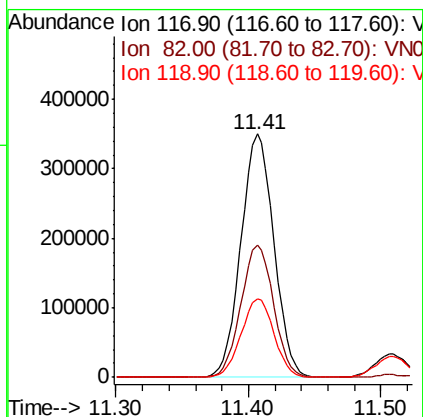
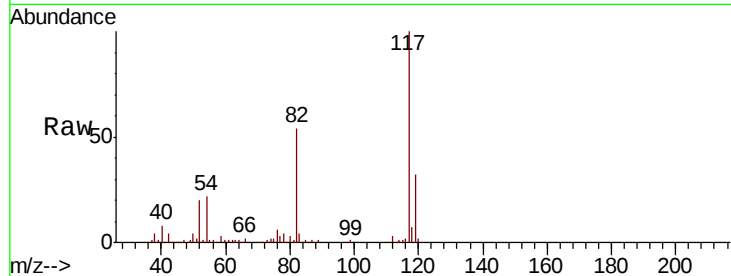
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	41.9	62.9
119	32.3	25.7	38.5

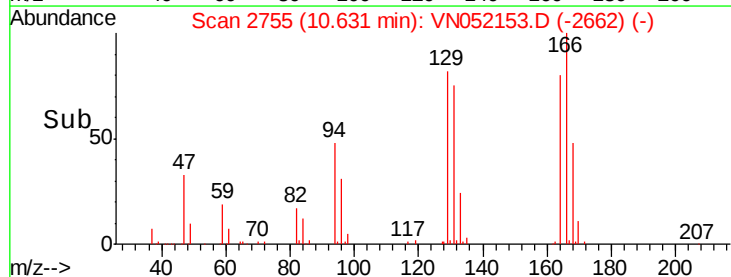
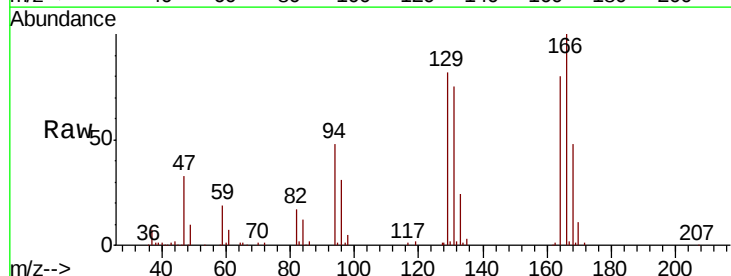
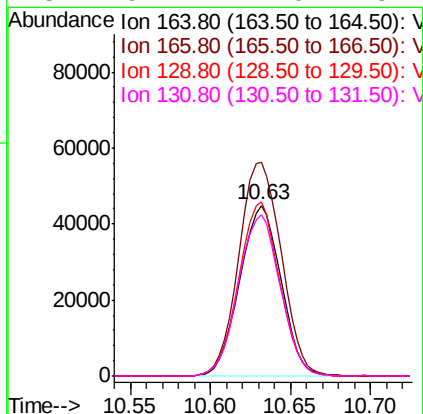
Manual Integrations
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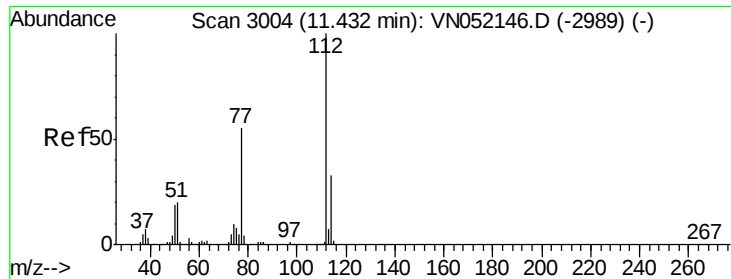
MMDadoda
11/6/2018 10:00:16 AM



#64
Tetrachloroethene
Concen: 20.160 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	100.8	151.2
129	102.2	79.1	118.7
131	94.2	77.0	115.4





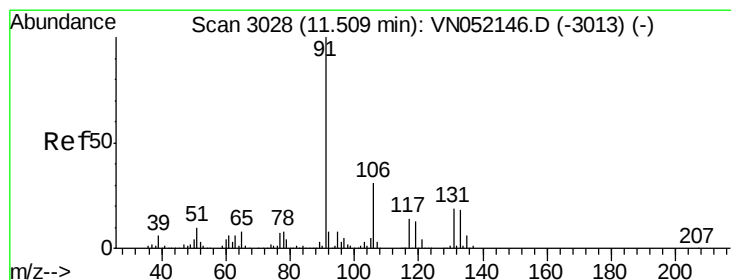
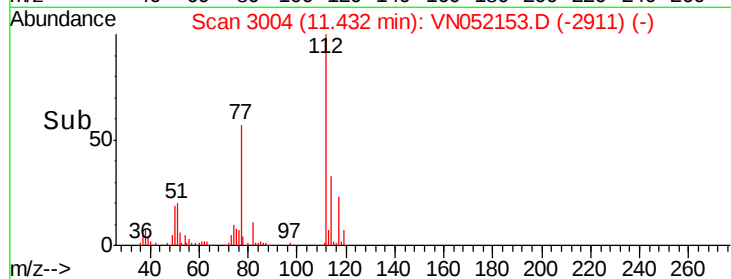
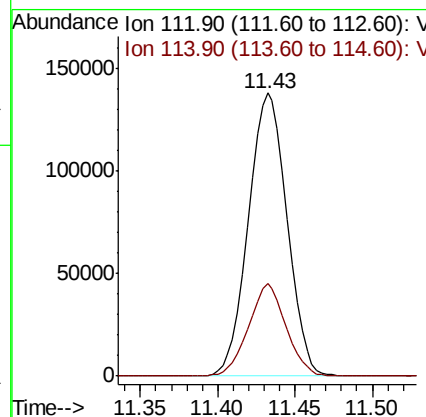
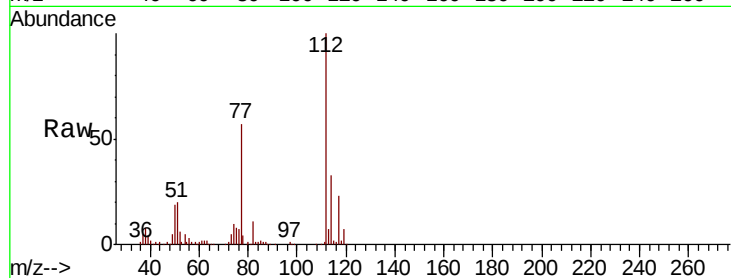
#65
Chlorobenzene
Concen: 19.480 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.2	39.4

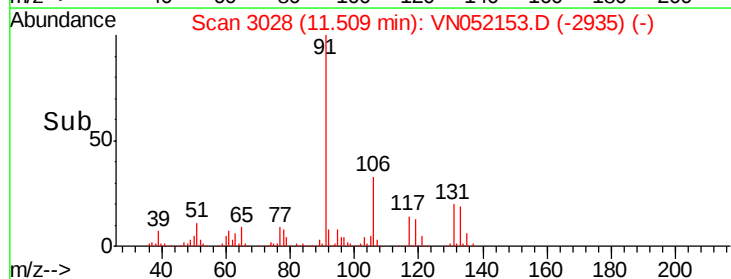
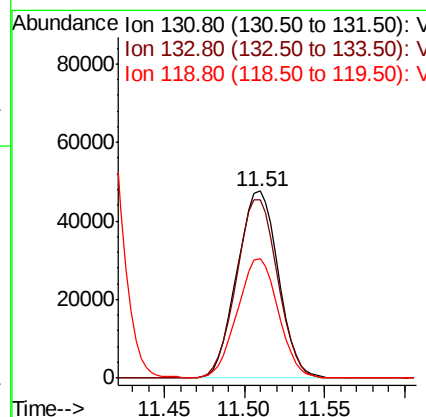
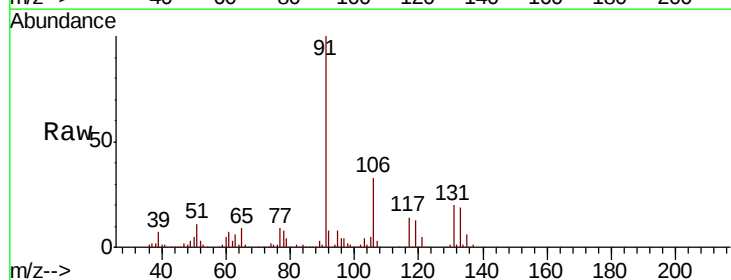
Manual Integrations
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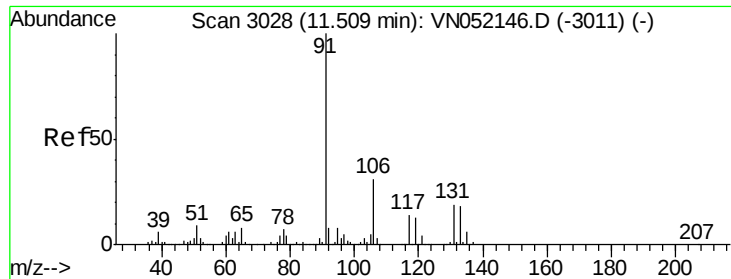
MMDadoda
11/6/2018 10:00:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.272 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	46.6	139.8
119	63.6	33.6	100.8





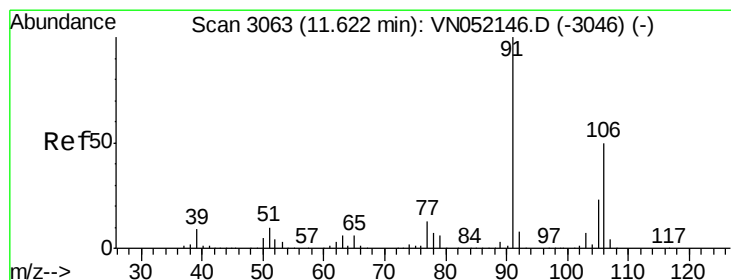
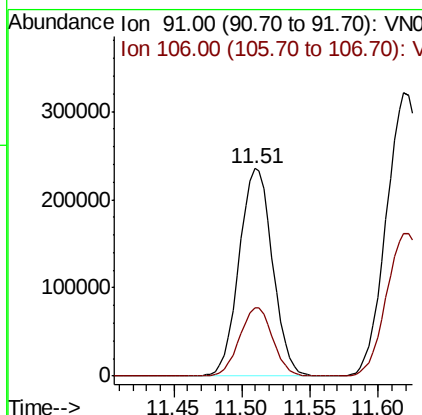
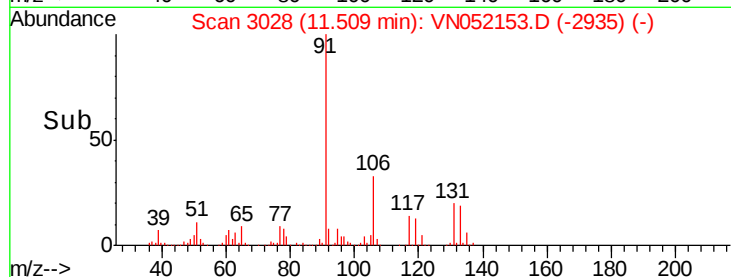
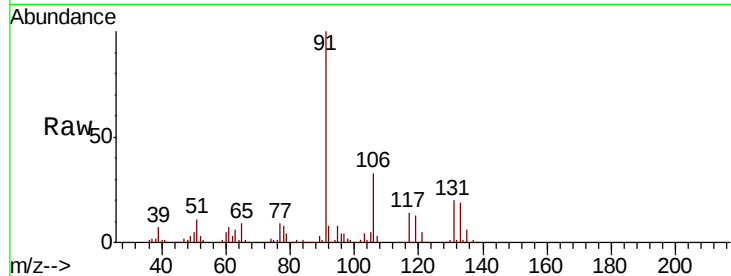
#67
Ethyl Benzene
Concen: 19.589 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampled :
VN1105WBS01

Tot Ion: 91 Resp: 400652
Ion Ratio Lower Upper
91 100
106 33.2 25.1 37.7

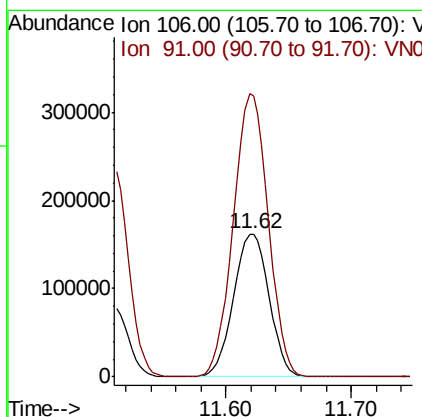
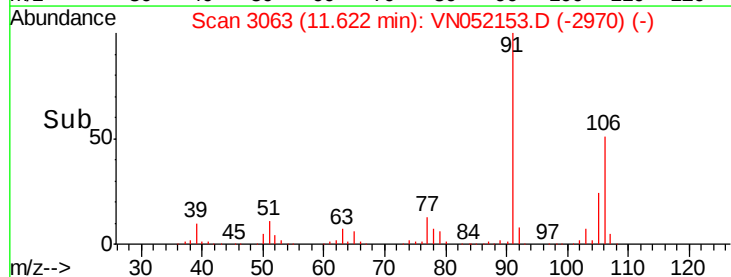
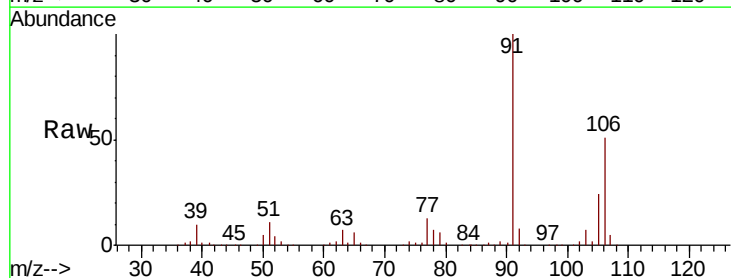
Manual Integrations
APPROVED

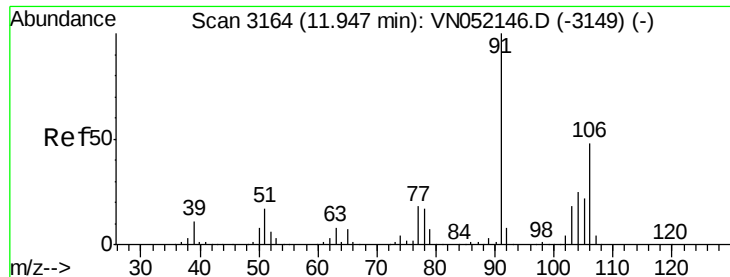
MMDadoda
11/6/2018 10:00:16 AM



#68
m/p-Xylenes
Concen: 40.383 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion: 106 Resp: 318700
Ion Ratio Lower Upper
106 100
91 194.9 158.2 237.4





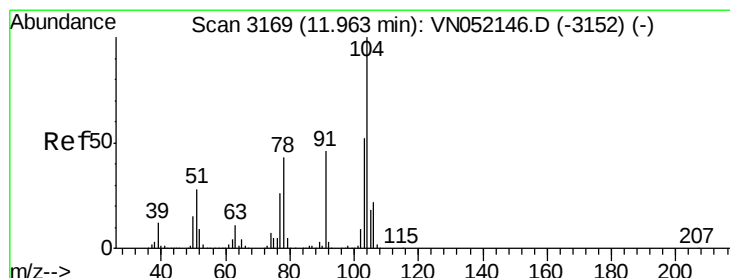
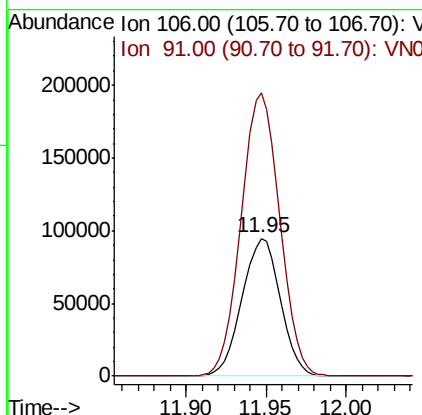
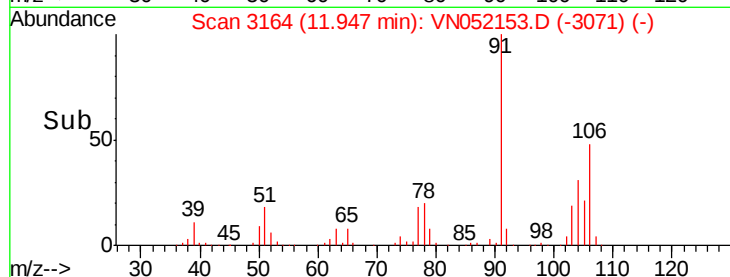
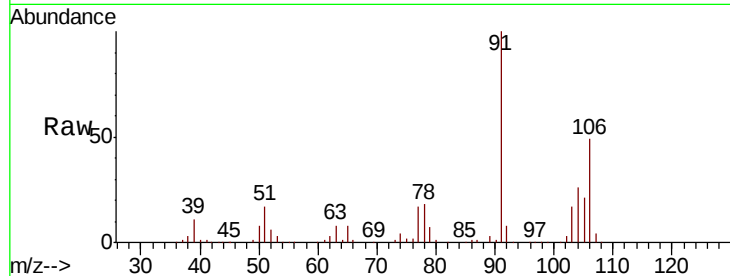
#69
o-Xylene
Concen: 20.208 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampled :
VN1105WBS01

Tot Ion:106 Resp: 154667
Ion Ratio Lower Upper
106 100
91 207.1 104.8 314.3

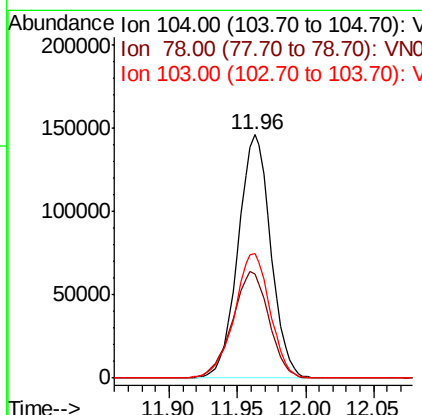
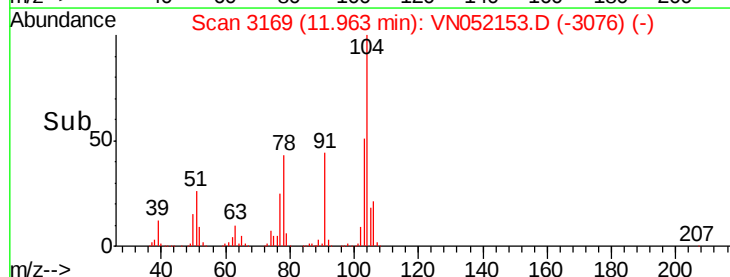
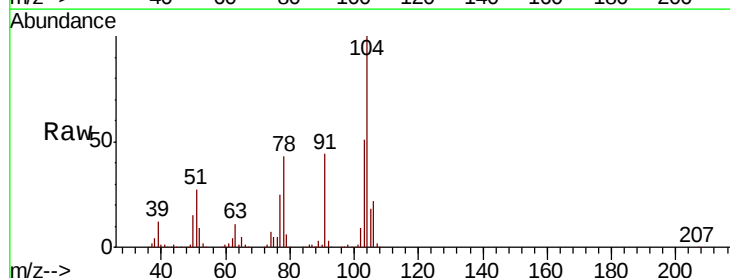
Manual Integrations
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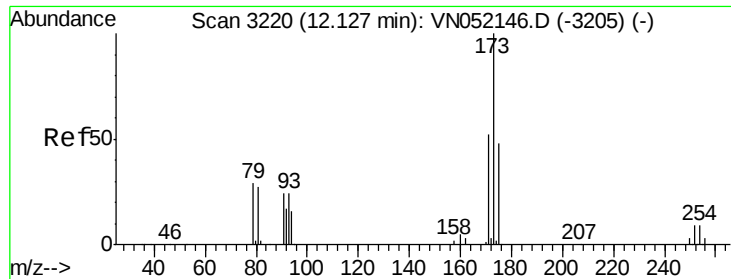
MMDadoda
11/6/2018 10:00:16 AM



#70
Styrene
Concen: 20.059 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion:104 Resp: 243042
Ion Ratio Lower Upper
104 100
78 49.0 39.4 59.0
103 56.0 45.1 67.7





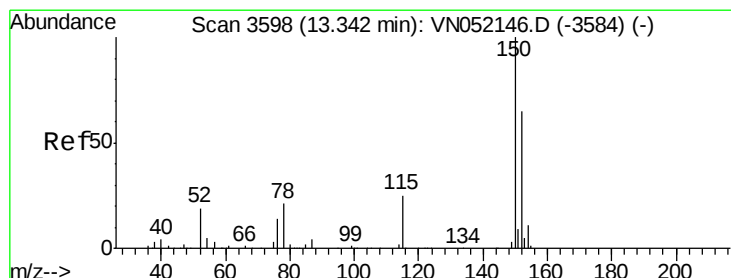
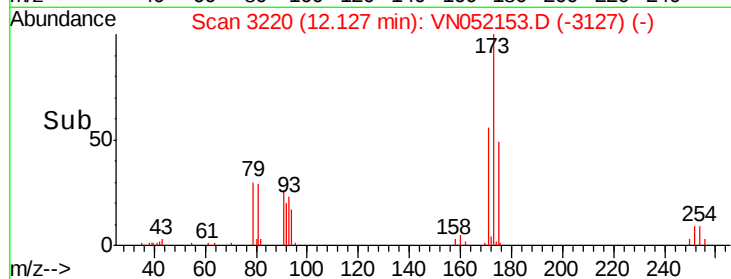
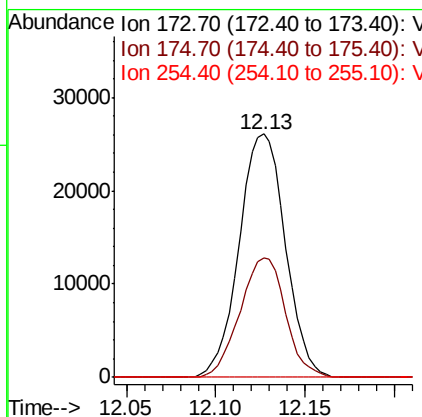
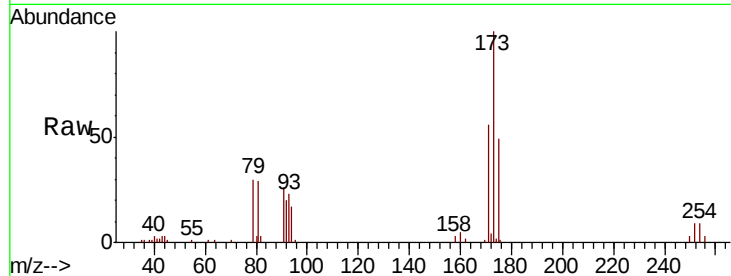
#71
Bromoform
Concen: 18.889 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.8	74.4
254	0.0	0.2	0.2

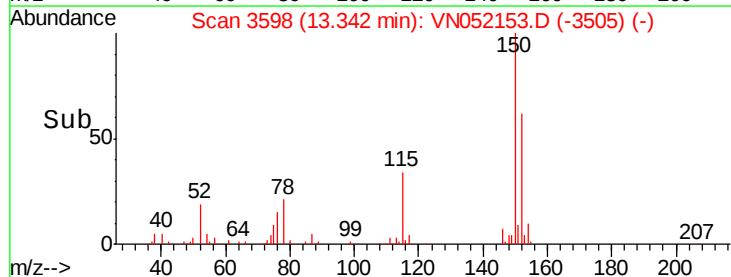
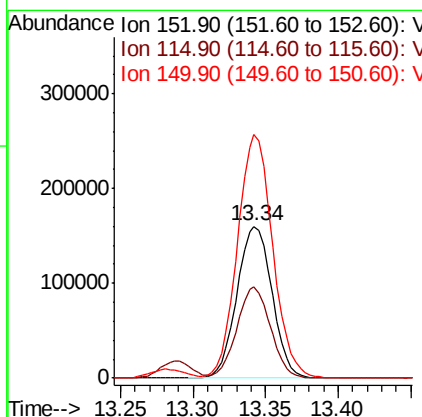
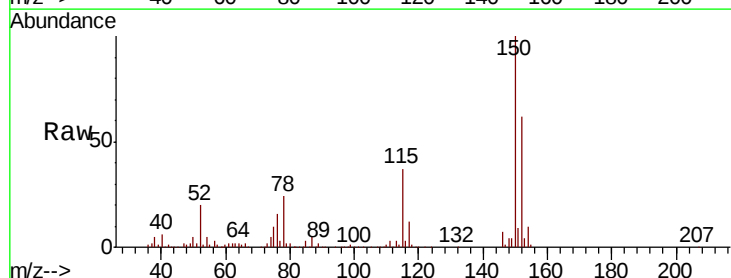
Manual Integrations
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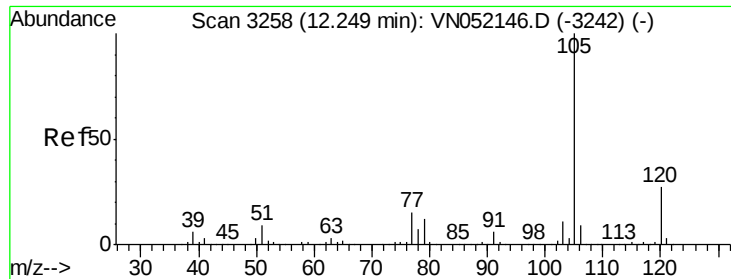
MMDadoda
11/6/2018 10:00:16 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.5	85.5
150	161.7	0.0	348.6





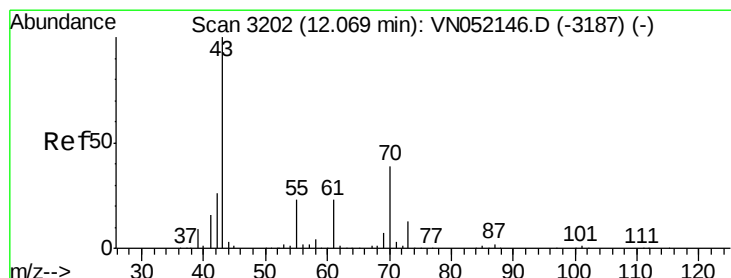
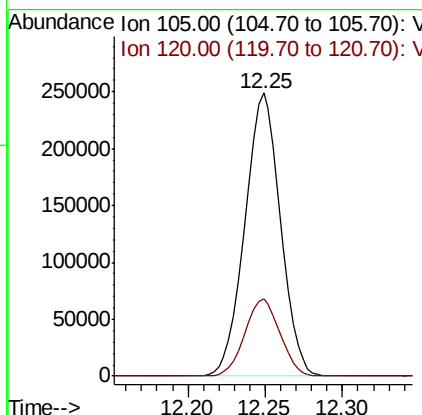
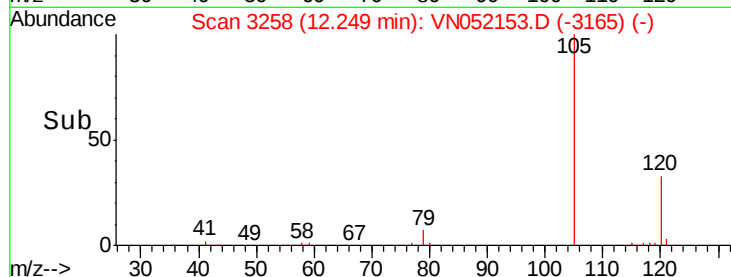
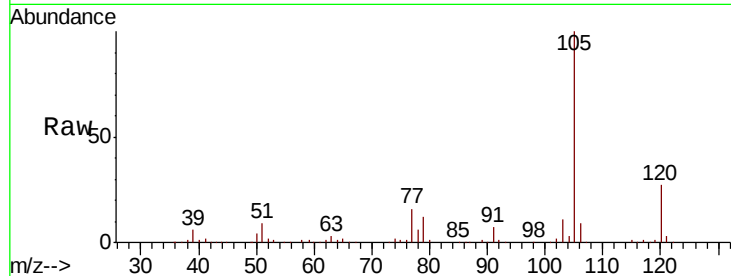
#73
Isopropylbenzene
Concen: 19.614 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampled :
VN1105WBS01

Tot Ion: 105 Resp: 398408
Ion Ratio Lower Upper
105 100
120 27.1 13.3 39.9

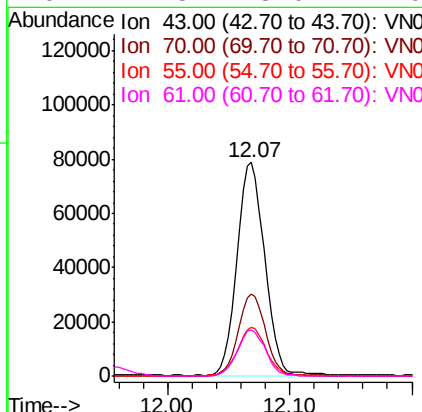
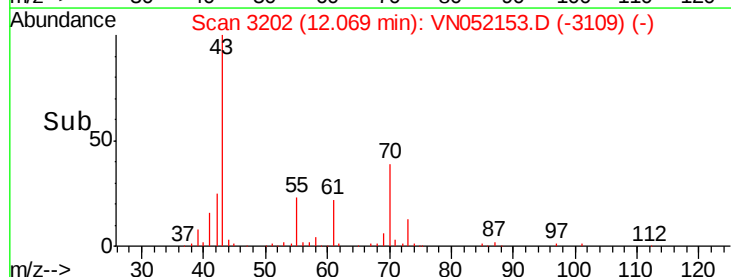
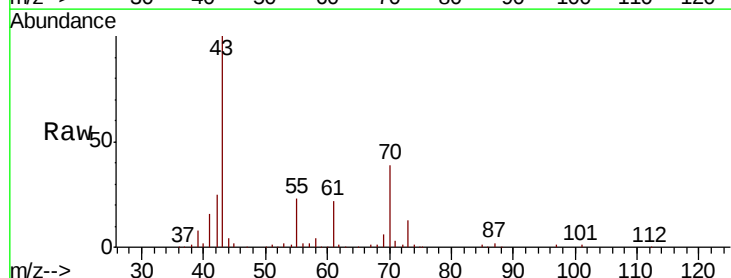
Manual Integrations
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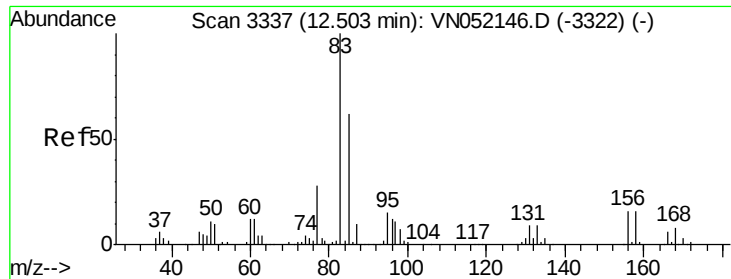
MMDadoda
11/6/2018 10:00:16 AM



#74
N-ethyl acetate
Concen: 20.537 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion: 43 Resp: 123788
Ion Ratio Lower Upper
43 100
70 37.7 31.1 46.7
55 23.5 18.5 27.7
61 21.8 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.134 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

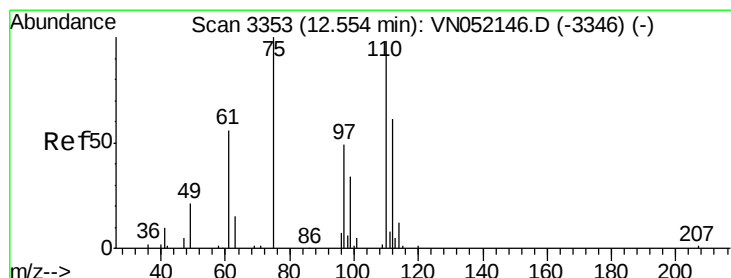
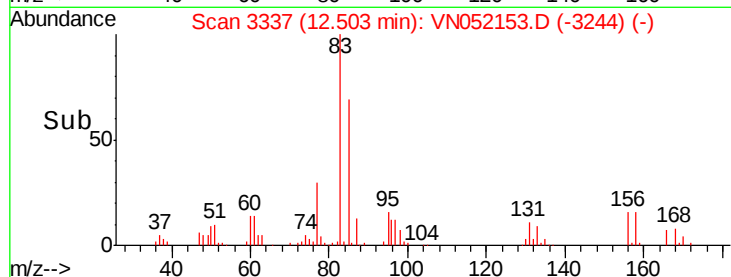
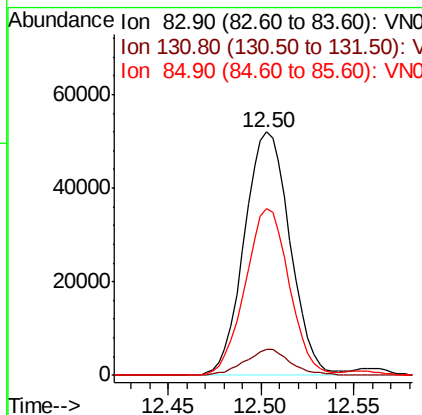
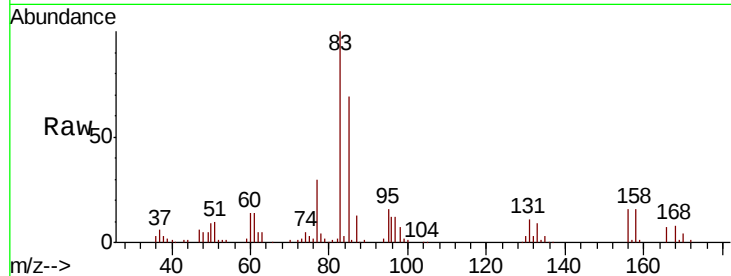
ClientSampleId :

VN1105WBS01

Tot Ion:	83	Resp:	89517
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.0	14.9
85	66.1	31.8	95.3

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MMDadoda
11/6/2018 10:00:16 AM



#76

1,2,3-Trichloropropane

Concen: 17.400 ug/l m

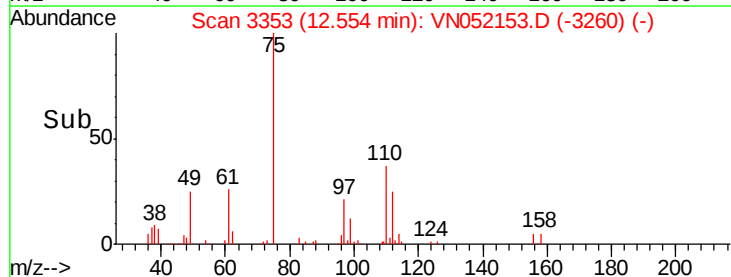
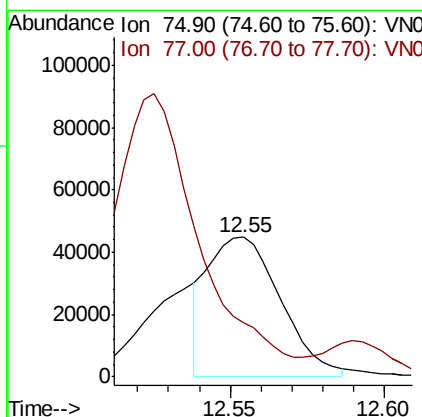
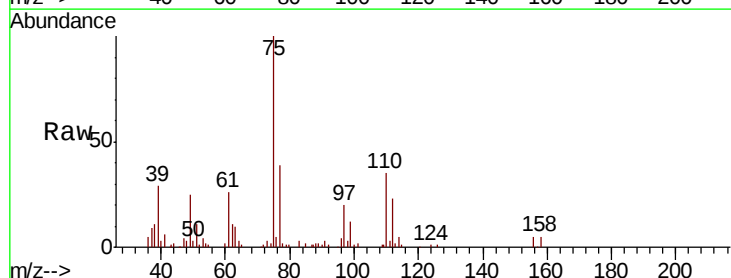
RT: 12.55 min Scan# 3353

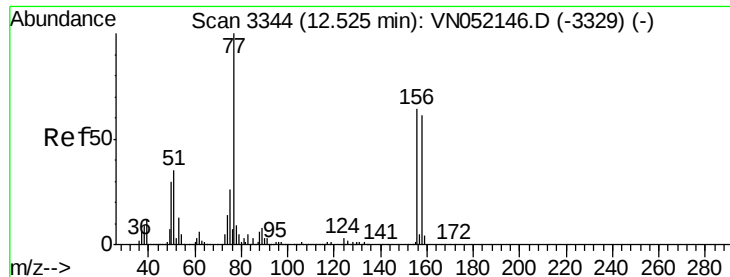
Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Tgt Ion:	75	Resp:	73562
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.304 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tot Ion:156 Resp: 93502

Ion Ratio Lower Upper

156 100

77 192.1 91.6 274.9

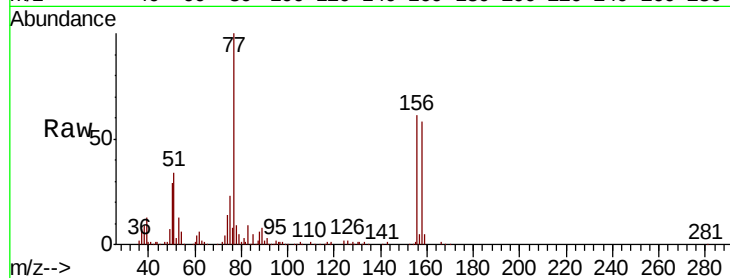
158 96.4 48.1 144.3

Manual Integrations

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MMDadoda

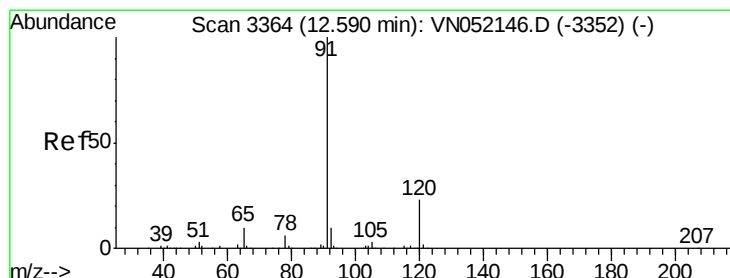
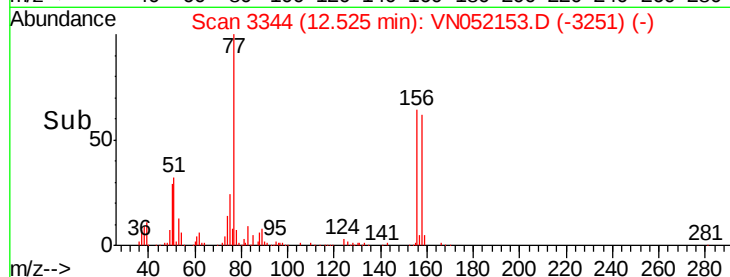
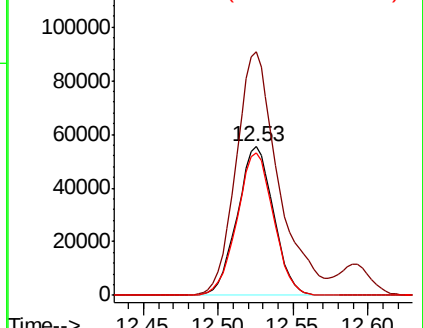
11/6/2018 10:00:16 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.432 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052153.D

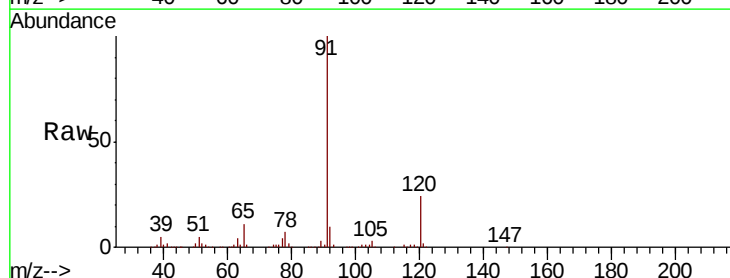
Acq: 5 Nov 2018 18:06

Tgt Ion: 91 Resp: 451091

Ion Ratio Lower Upper

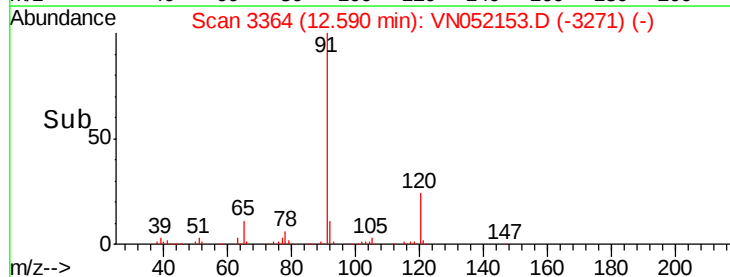
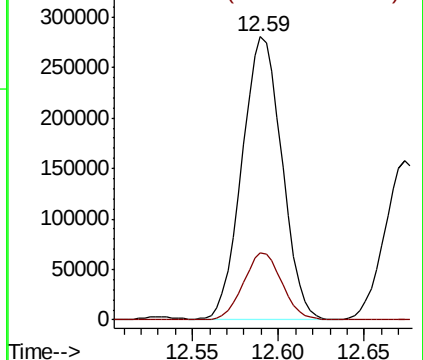
91 100

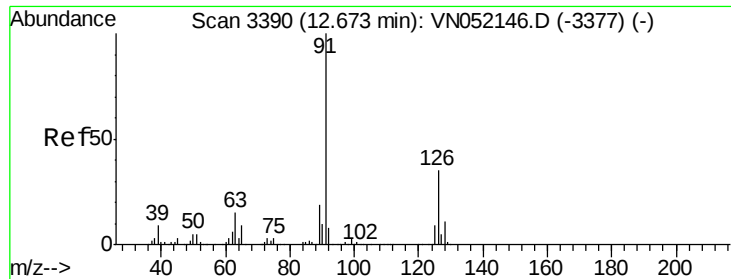
120 22.9 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





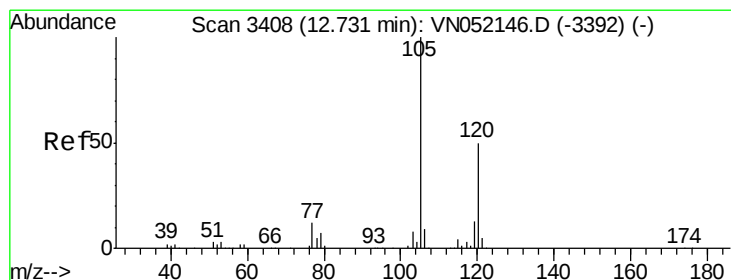
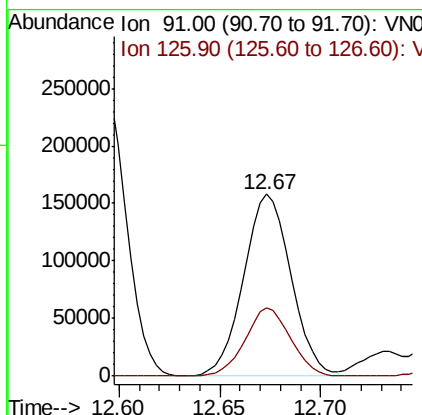
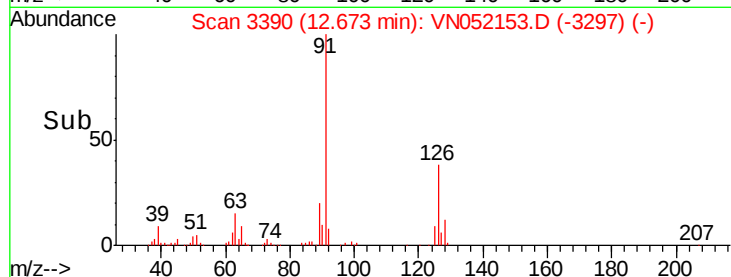
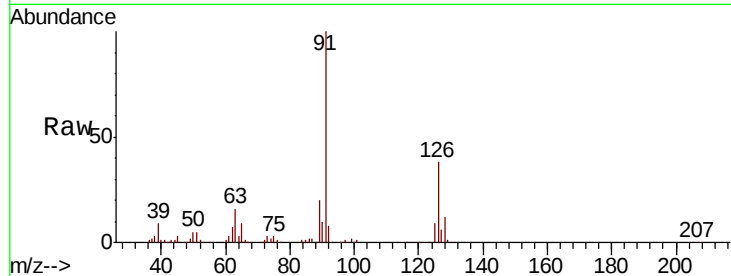
#79
 2-Chlorotoluene
 Concen: 19.096 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tot Ion: 91 Resp: 259952
 Ion Ratio Lower Upper
 91 100
 126 36.1 18.0 54.0

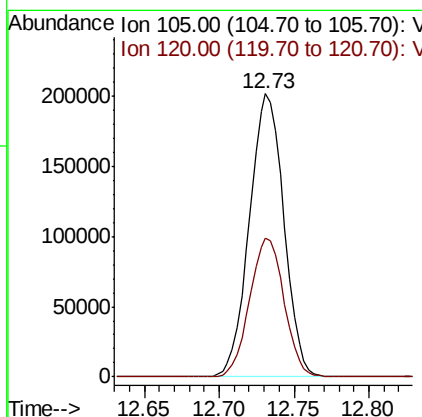
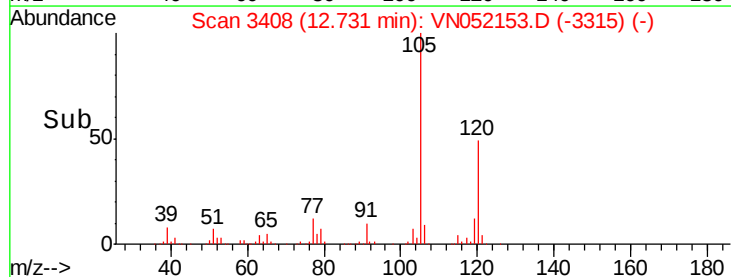
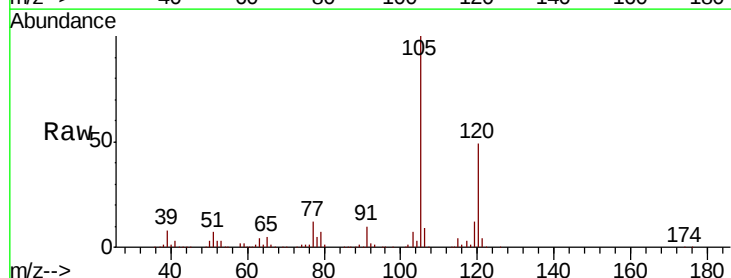
Manual Integrations
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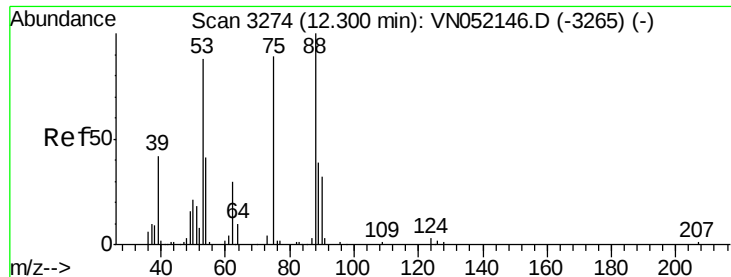
MMDadoda
 11/6/2018 10:00:16 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.647 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion: 105 Resp: 323027
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.9 74.6





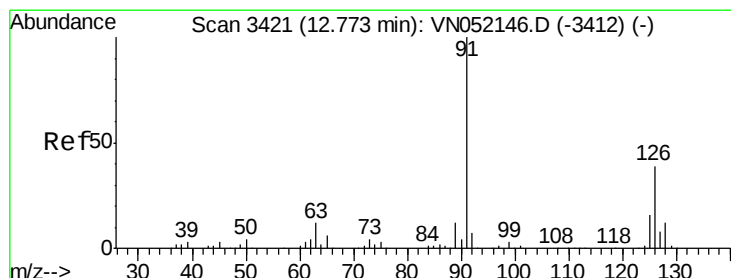
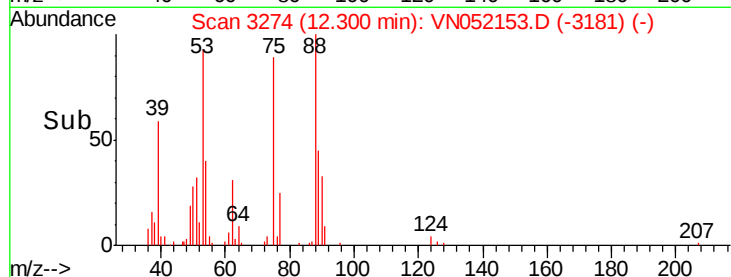
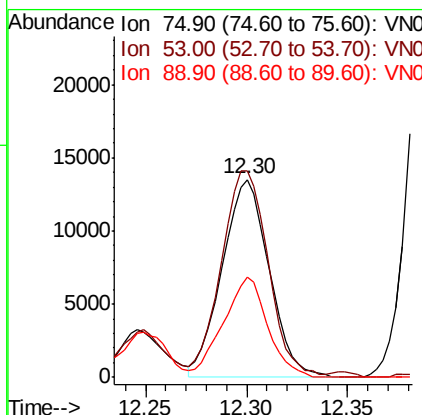
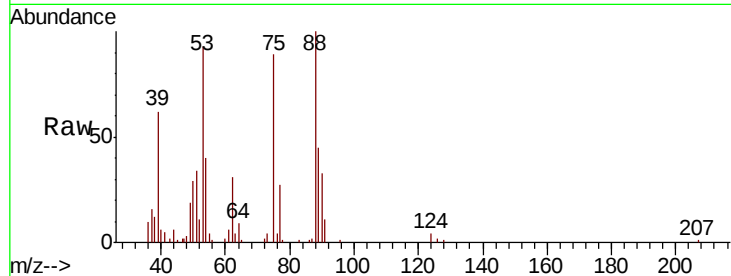
#81
trans-1,4-Dichloro-2-butene
Concen: 18.694 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion: 75 Resp: 22072
Ion Ratio Lower Upper
75 100
53 101.3 79.4 119.0
89 47.7 35.8 53.8

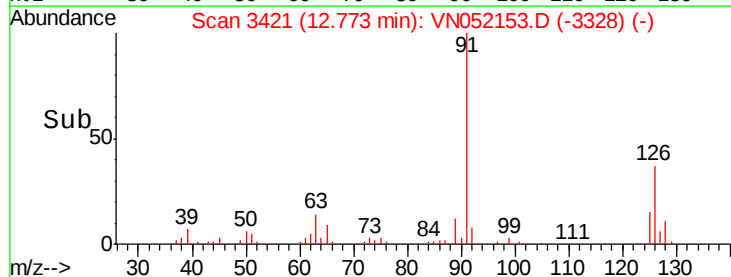
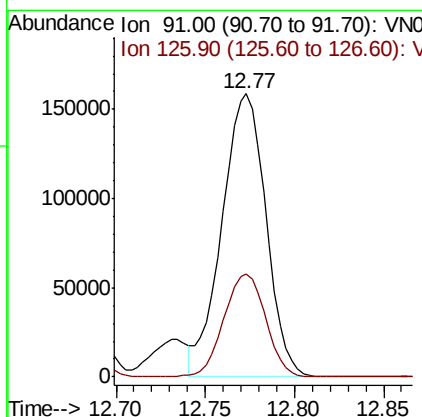
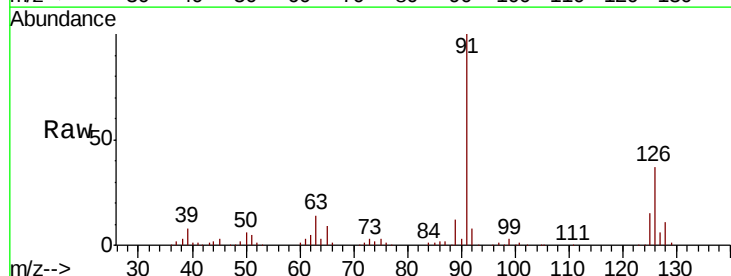
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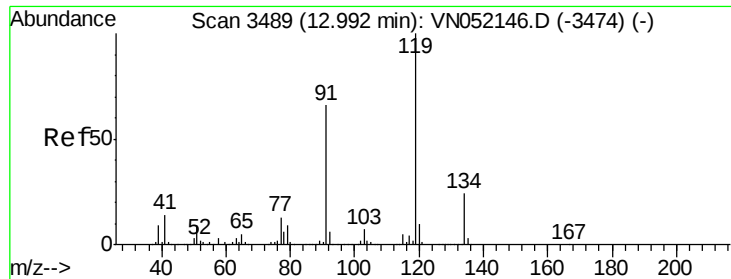
MMDadoda
11/6/2018 10:00:16 AM



#82
4-Chlorotoluene
Concen: 19.967 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion: 91 Resp: 273195
Ion Ratio Lower Upper
91 100
126 34.7 17.8 53.5





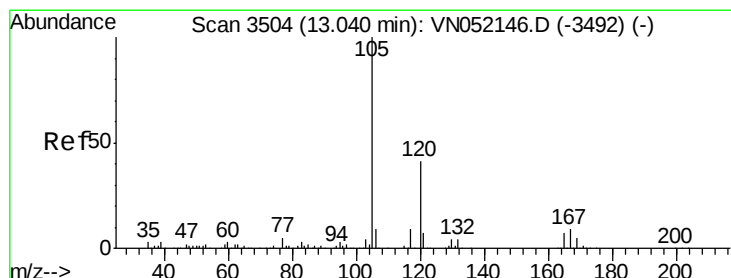
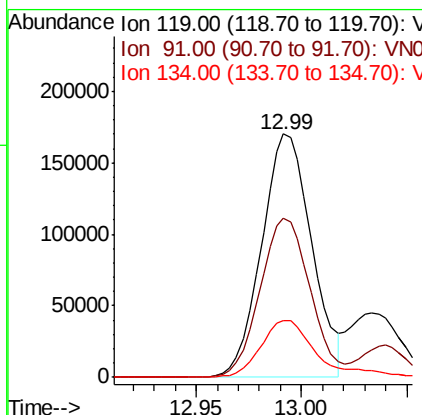
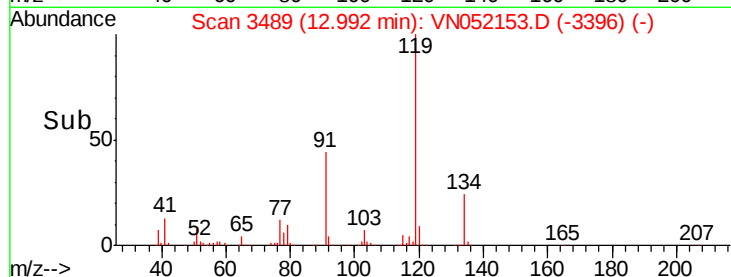
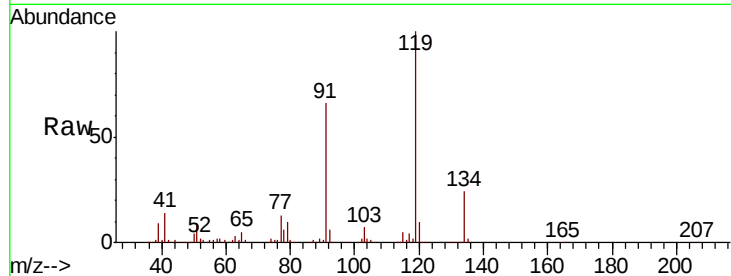
#83
 tert-Butylbenzene
 Concen: 19.384 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	281411		
91	65.4	32.3	96.8	
134	26.2	13.0	38.9	

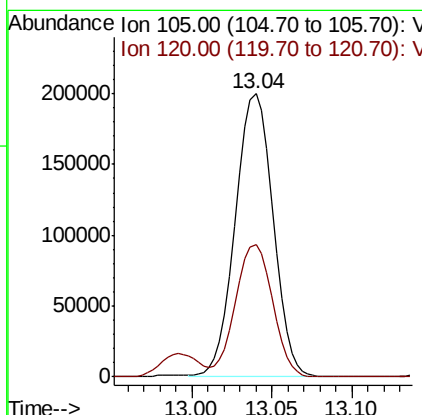
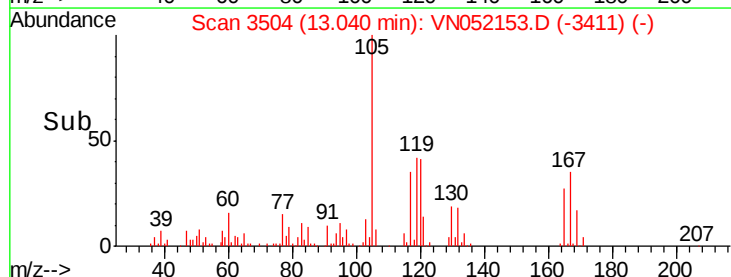
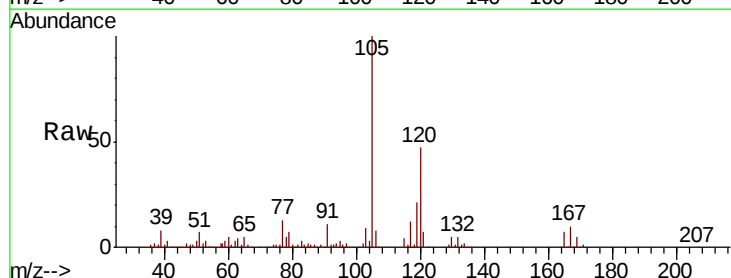
Manual Integrations
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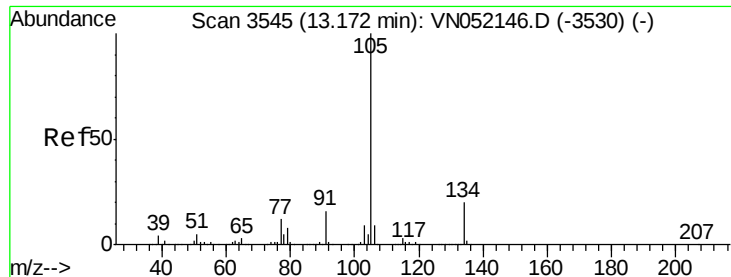
MMDadoda
 11/6/2018 10:00:16 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.675 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	322010		
120	46.0	23.2	69.5	





#85

sec-Butylbenzene

Concen: 19.660 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampled :

VN1105WBS01

Tot Ion:105 Resp: 385956

Ion Ratio Lower Upper

105 100

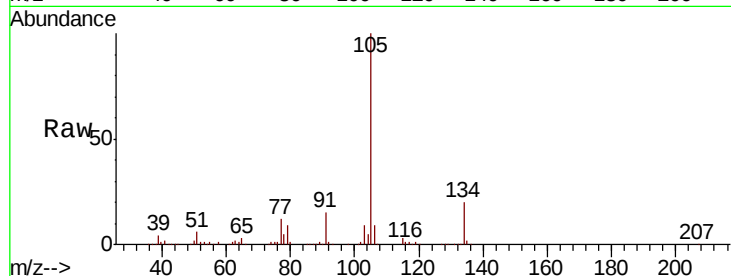
134 20.0 10.2 30.4

Manual Integrations

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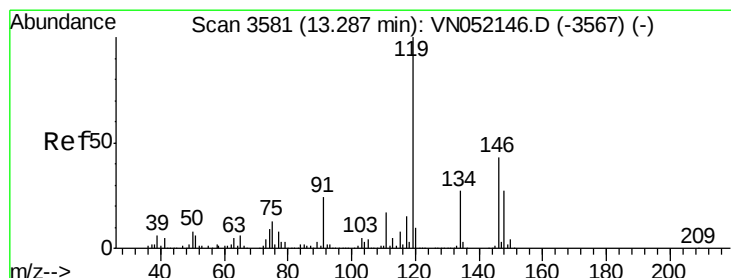
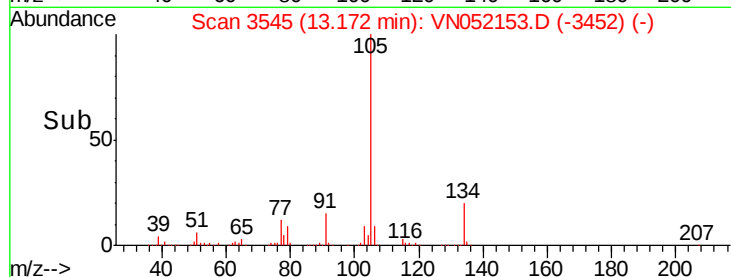
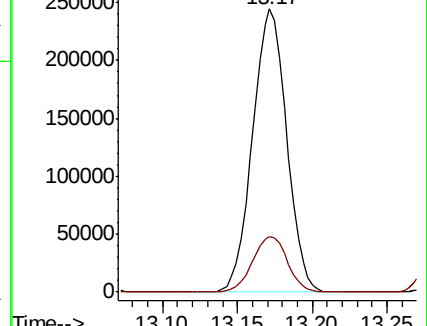
MMDadoda

11/6/2018 10:00:16 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.612 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

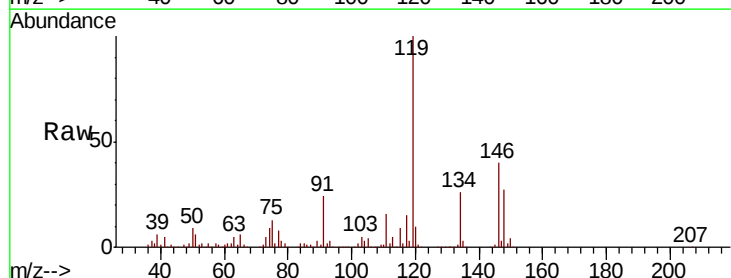
Tgt Ion:119 Resp: 324059

Ion Ratio Lower Upper

119 100

134 27.7 13.5 40.5

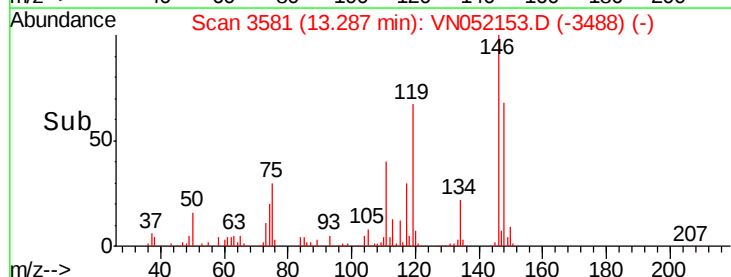
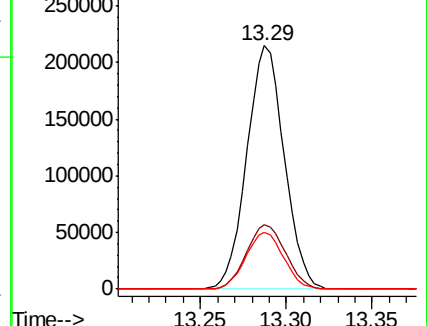
91 23.7 11.9 35.7

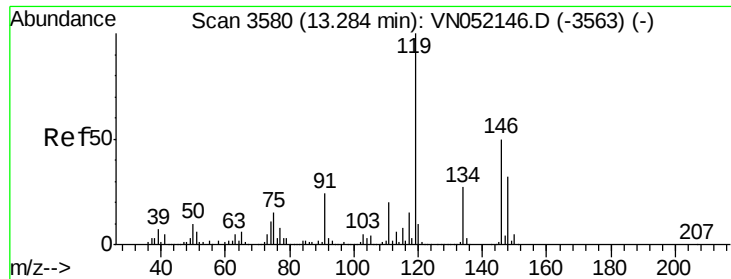


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





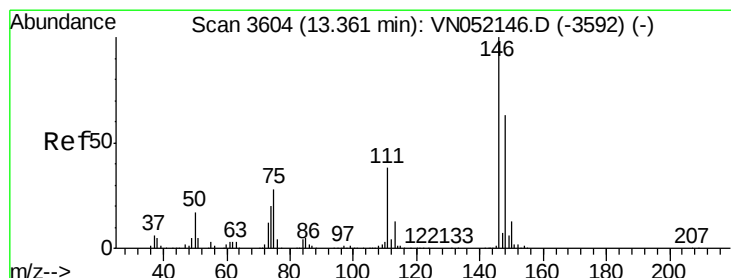
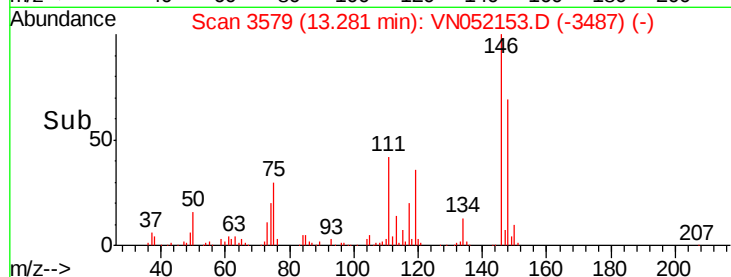
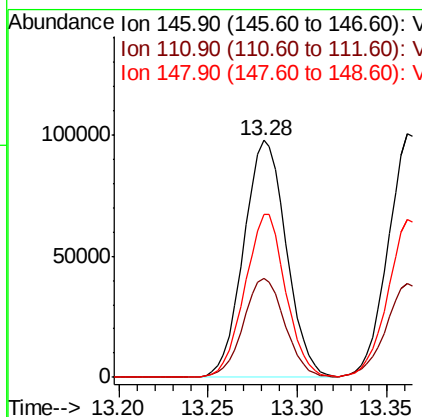
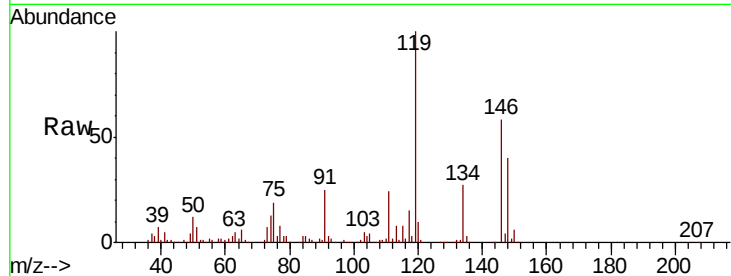
#87
 1,3-Dichlorobenzene
 Concen: 19.088 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.2	60.6
148	65.7	32.1	96.3

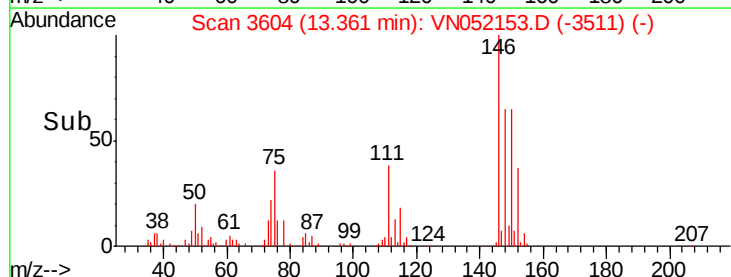
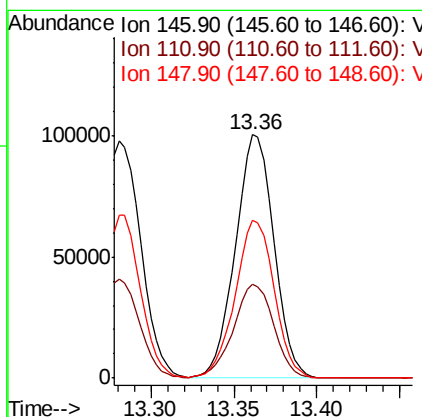
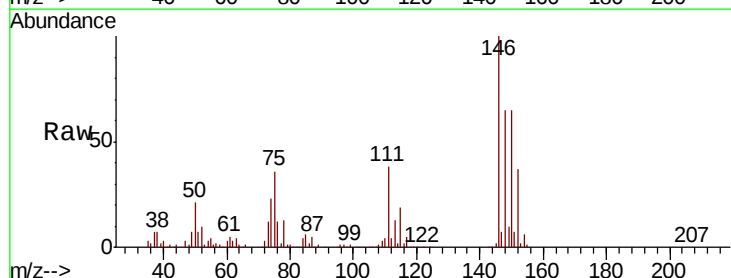
Manual Integrations
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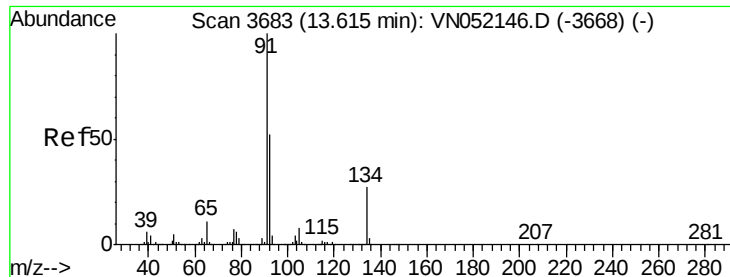
MMDadoda
 11/6/2018 10:00:16 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.040 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.4	58.1
148	65.5	31.5	94.5





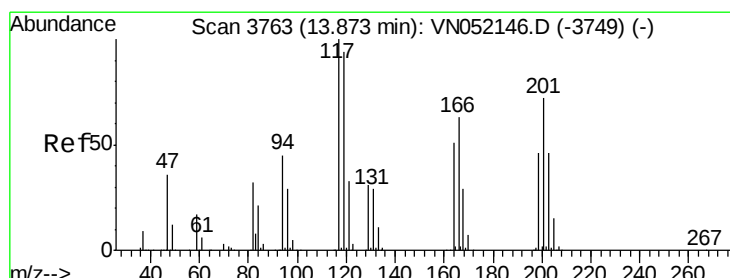
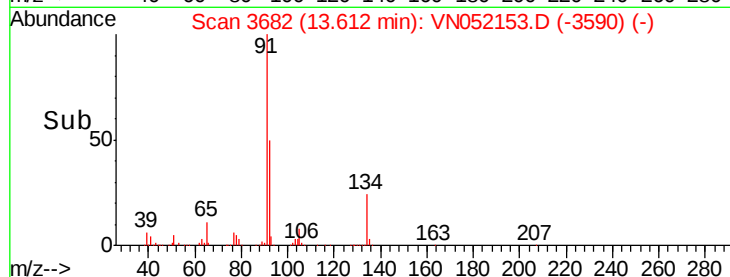
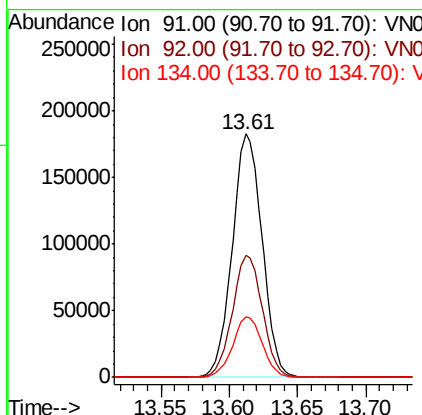
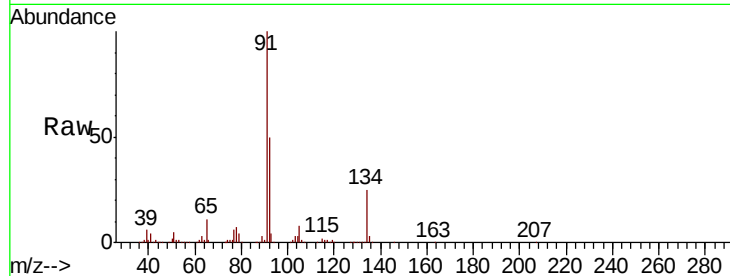
#89
n-Butylbenzene
Concen: 19.387 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.3	78.8
134	24.6	13.4	40.2

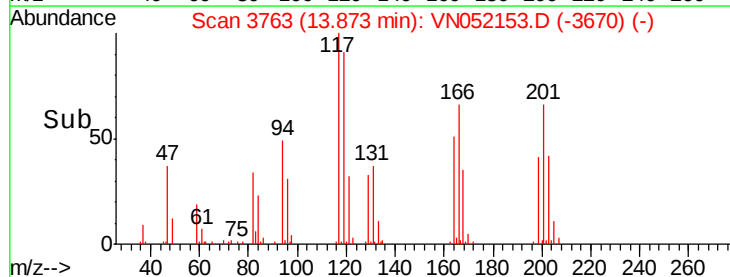
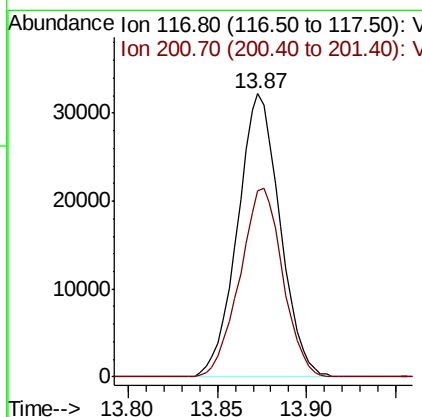
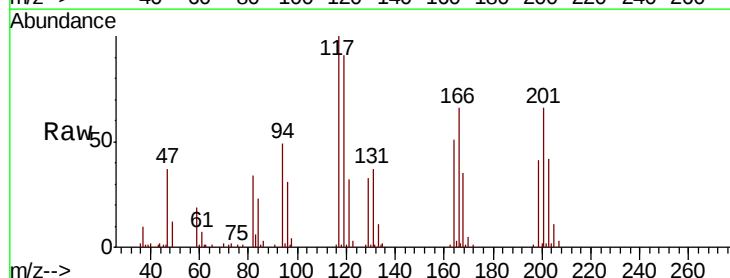
Manual Integrations
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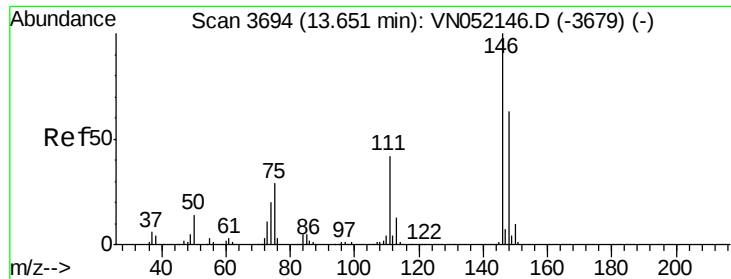
MMDadoda
11/6/2018 10:00:16 AM



#90
Hexachloroethane
Concen: 19.162 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.1	36.8	110.3





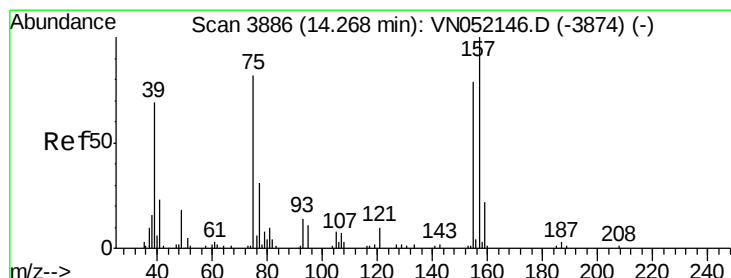
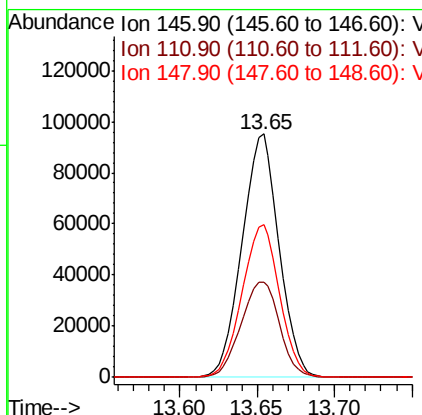
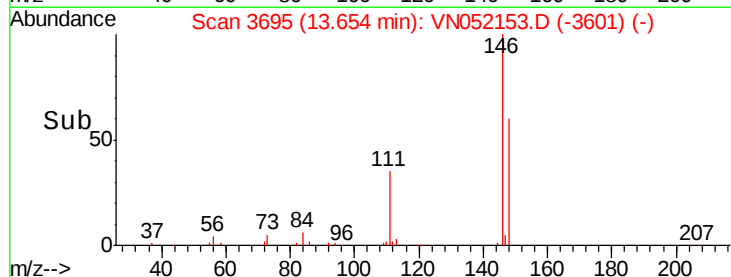
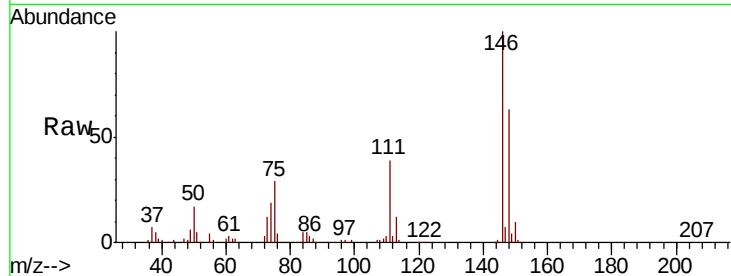
#91
 1,2-Dichlorobenzene
 Concen: 19.737 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.1	63.1
148	63.3	31.4	94.3

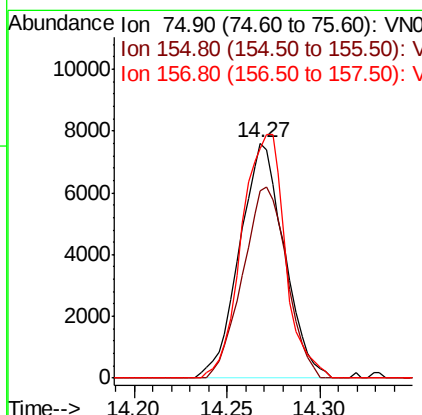
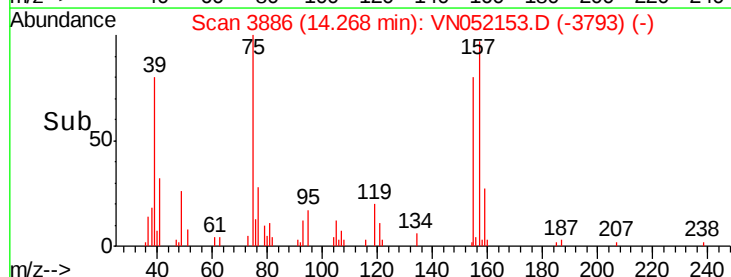
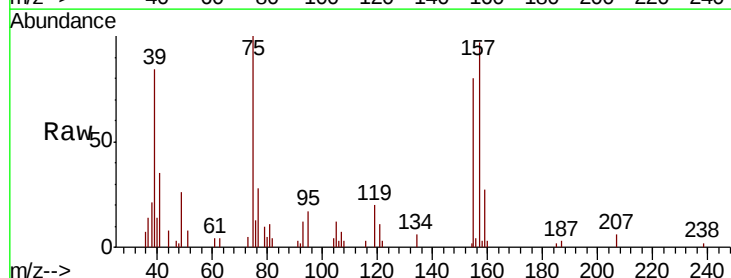
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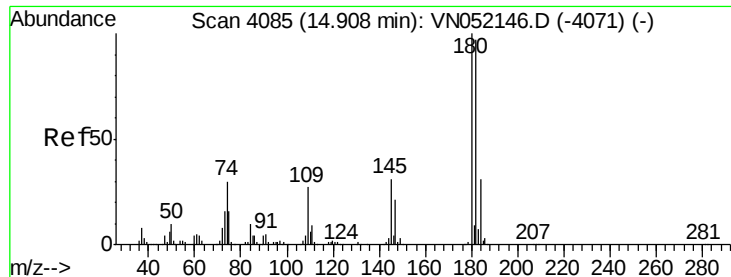
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.746 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	47.4	142.2
157	101.2	60.3	180.8





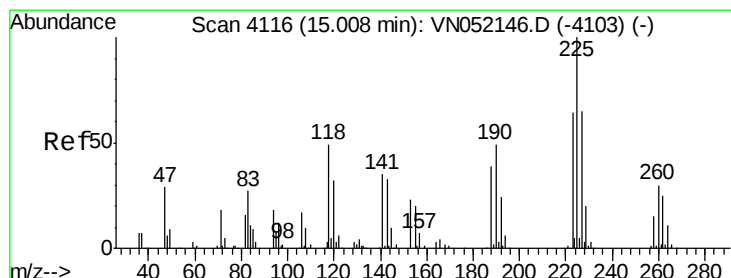
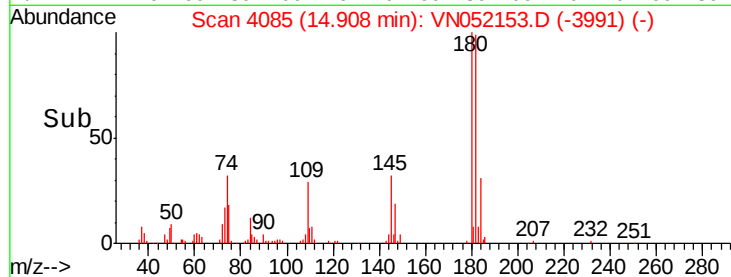
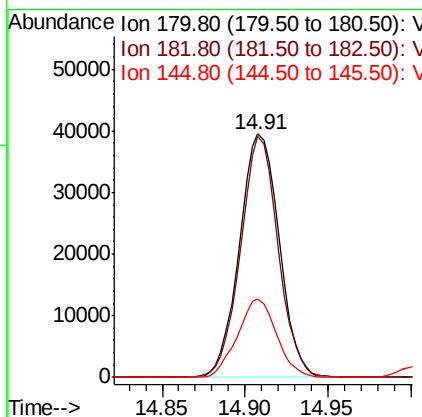
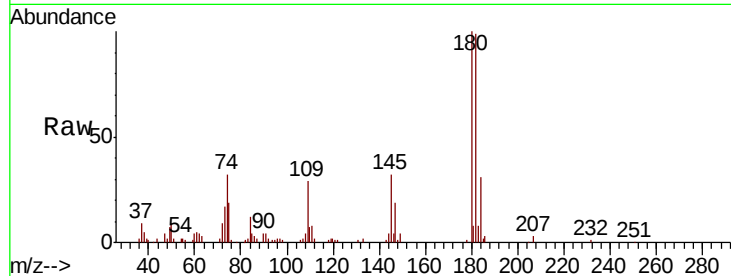
#93
 1,2,4-Trichlorobenzene
 Concen: 18.781 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.1	144.4
145	31.6	15.3	45.9

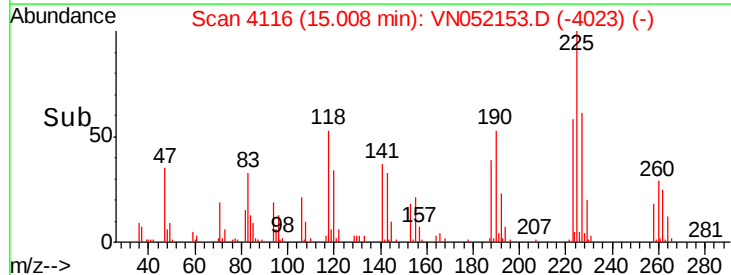
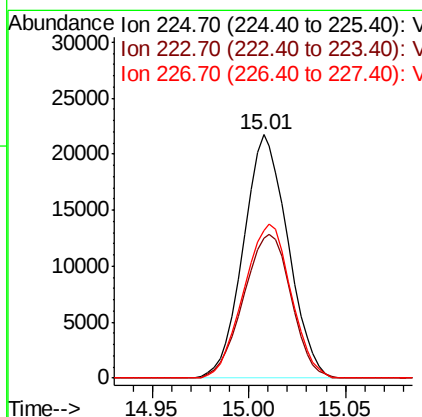
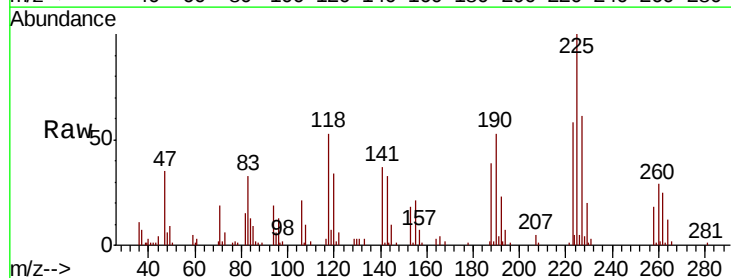
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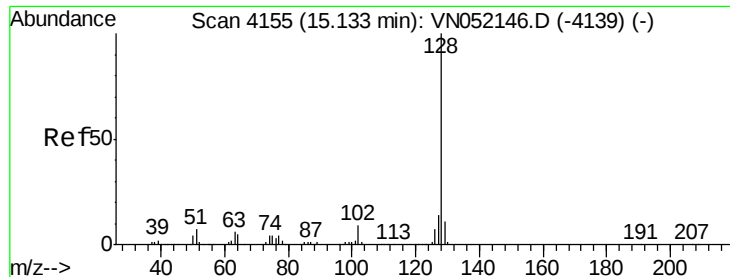
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#94
 Hexachlorobutadiene
 Concen: 18.219 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.3	96.8
227	66.9	31.6	94.8





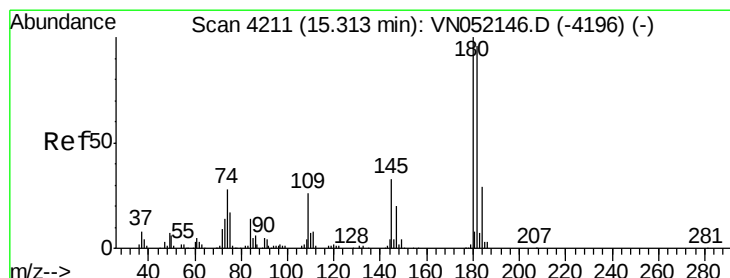
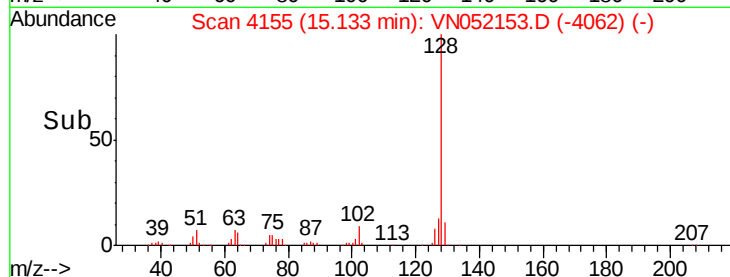
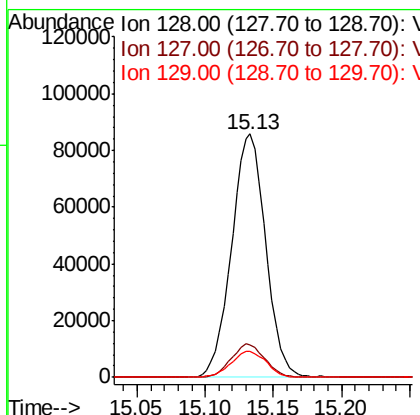
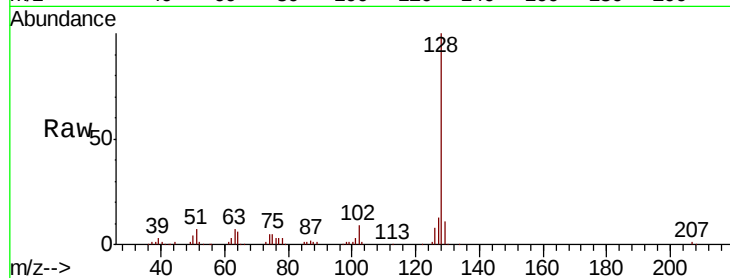
#95
Naphthalene
Concen: 18.094 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	148853		
127	13.5	10.8	16.2	
129	11.3	9.1	13.7	

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#96
1,2,3-Trichlorobenzene
Concen: 19.146 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	58857		
182	94.5	46.6	139.7	
145	31.2	16.7	50.0	

