

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
 Data File : VN051661.D
 Acq On : 4 Oct 2018 12:30
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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

Quant Time: Oct 05 02:10:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 01:55:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	723299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1084087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1055689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	630792	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1392344	145.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.44%	
35) Dibromofluoromethane	7.59	113	1310962	156.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	312.82%	
50) Toluene-d8	10.09	98	4936447	157.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	315.76%	
62) 4-Bromofluorobenzene	12.40	95	1840194	166.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	332.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1393139	162.305	ug/l	99
3) Chloromethane	2.06	50	1142884	138.458	ug/l	100
4) Vinyl Chloride	2.18	62	1793074	137.900	ug/l	99
5) Bromomethane	2.55	94	1387864	138.794	ug/l	99
6) Chloroethane	2.69	64	1160982	132.850	ug/l	100
7) Trichlorofluoromethane	3.00	101	2027923	136.796	ug/l	99
8) Diethyl Ether	3.41	74	532152	140.444	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	998401	138.148	ug/l	100
10) Methyl Iodide	3.95	142	1489979	169.130	ug/l	100
11) Tert butyl alcohol	4.80	59	466013	774.445	ug/l	100
12) 1,1-Dichloroethene	3.73	96	932711	138.470	ug/l	98
13) Acrolein	3.61	56	318008	783.853	ug/l	98
14) Allyl chloride	4.32	41	1466176	142.714	ug/l	97
15) Acrylonitrile	4.99	53	1663902	742.525	ug/l	99
16) Acetone	3.82	43	1139926	651.851	ug/l	98
17) Carbon Disulfide	4.05	76	2939644	143.575	ug/l	100
18) Methyl Acetate	4.33	43	769809	145.963	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	3294115	148.159	ug/l	100
20) Methylene Chloride	4.55	84	1159666	147.514	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	1202998	150.714	ug/l	93
22) Diisopropyl ether	5.95	45	3126328	141.962	ug/l	95
23) Vinyl Acetate	5.90	43	11552545	713.443	ug/l	96
24) 1,1-Dichloroethane	5.85	63	2029236	143.274	ug/l	99
25) 2-Butanone	6.84	43	1872763	678.743	ug/l	98
26) 2,2-Dichloropropane	6.83	77	2021133	142.400	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1358819	146.644	ug/l	96
28) Bromochloromethane	7.20	49	886463	141.374	ug/l	89
29) Tetrahydrofuran	7.21	42	1205897	712.196	ug/l	94
30) Chloroform	7.37	83	2361422	148.393	ug/l	100
31) Cyclohexane	7.65	56	1761350	135.791	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	2283406	148.037	ug/l	98
36) 1,1-Dichloropropene	7.79	75	1703403	150.326	ug/l	99
37) Ethyl Acetate	6.93	43	864304	146.247	ug/l	98
38) Carbon Tetrachloride	7.77	117	2087249	153.508	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2145247	150.819	ug/l	97
40) Benzene	8.04	78	5015969	149.322	ug/l	98
41) Methacrylonitrile	7.18	41	461400	142.181	ug/l	97
42) 1,2-Dichloroethane	8.12	62	1658452	146.498	ug/l	100
43) Isopropyl Acetate	8.17	43	1750652	142.079	ug/l	96
44) Trichloroethene	8.83	130	1444844	151.483	ug/l	98
45) 1,2-Dichloropropane	9.12	63	1191780	143.498	ug/l	100
46) Dibromomethane	9.21	93	884232	153.173	ug/l	99
47) Bromodichloromethane	9.40	83	1915799	150.756	ug/l	99
48) Methyl methacrylate	9.20	41	814624	144.686	ug/l	96
49) 1,4-Dioxane	9.20	88	263300	3118.753	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	4454483	713.435	ug/l	98
52) Toluene	10.16	92	3472777	155.437	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	2025469	154.464	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	2119117	152.185	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	1207100	151.666	ug/l	98
56) Ethyl methacrylate	10.43	69	1560732	155.066	ug/l	95
57) 1,3-Dichloropropane	10.71	76	1911394	151.738	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	3344918	802.997	ug/l	97
59) 2-Hexanone	10.75	43	3017227	711.559	ug/l	100
60) Dibromochloromethane	10.90	129	1647586	158.186	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1320446	156.939	ug/l	100
64) Tetrachloroethene	10.63	164	1367458	146.821	ug/l	99
65) Chlorobenzene	11.43	112	3923976	150.080	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	1573703	150.322	ug/l	99
67) Ethyl Benzene	11.51	91	6745320	149.260	ug/l	99
68) m/p-Xylenes	11.62	106	5526062	305.612	ug/l	98
69) o-Xylene	11.95	106	2678887	151.068	ug/l	99
70) Styrene	11.96	104	4496528	159.131	ug/l	98
71) Bromoform	12.13	173	1259519	161.750	ug/l	99
73) Isopropylbenzene	12.25	105	7292076	135.613	ug/l	100
74) N-amyl acetate	12.07	43	1604445	130.842	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	1485666	128.177	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1110427m	125.510	ug/l	
77) Bromobenzene	12.53	156	1849522	140.673	ug/l	96
78) n-propylbenzene	12.59	91	8100134	138.112	ug/l	99
79) 2-Chlorotoluene	12.67	91	4698717	135.938	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	6192873	136.663	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	495799	144.481	ug/l	97
82) 4-Chlorotoluene	12.77	91	4926503	141.879	ug/l	98
83) tert-Butylbenzene	12.99	119	5452508	134.284	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	6246277	137.615	ug/l	99
85) sec-Butylbenzene	13.17	105	7369248	137.203	ug/l	100
86) p-Isopropyltoluene	13.29	119	6749373	141.748	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	3458046	150.941	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	3368955	149.398	ug/l	99
89) n-Butylbenzene	13.62	91	5583732	148.316	ug/l	100
90) Hexachloroethane	13.88	117	1290592	135.851	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	3292825	144.581	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	256476	135.780	ug/l	97

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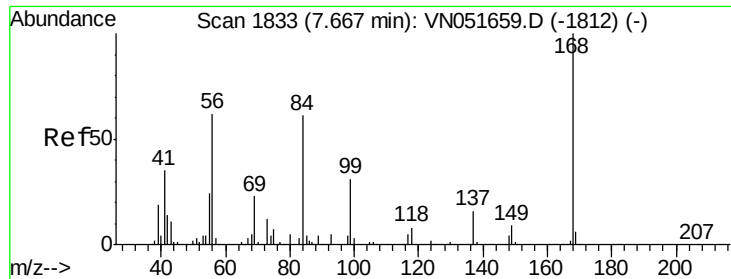
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1794060	177.027	ug/l	99
94) Hexachlorobutadiene	15.01	225	960681	139.714	ug/l	99
95) Naphthalene	15.13	128	3885787	177.556	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	1673898	167.709	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Instrument :

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ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 723299

Ion Ratio Lower Upper

168 100

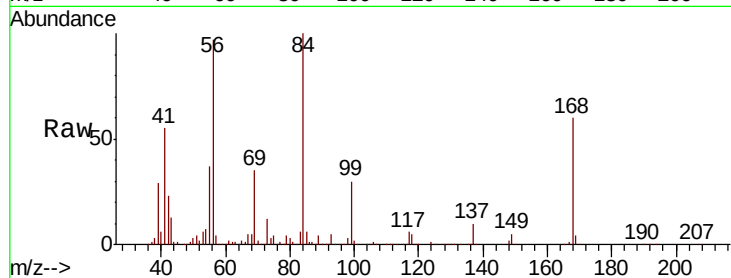
99 50.4 40.4 60.6

Manual Integrations

APPROVED

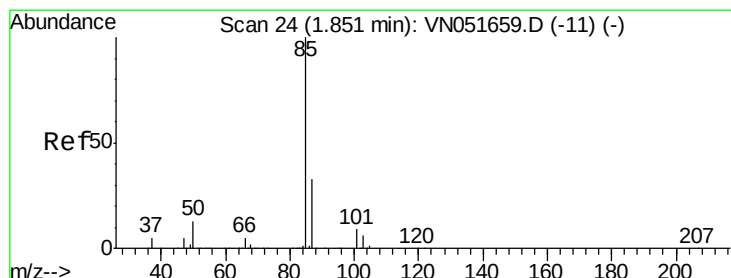
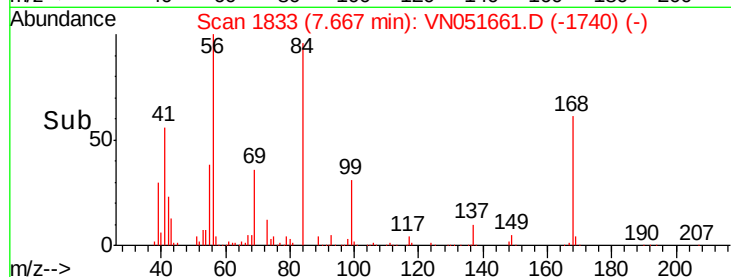
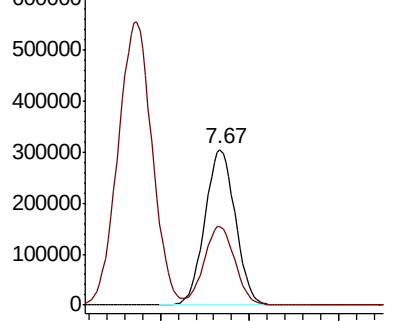
MMDadoda

10/8/2018 1:53:09 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC



#2

Dichlorodifluoromethane

Concen: 162.305 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051661.D

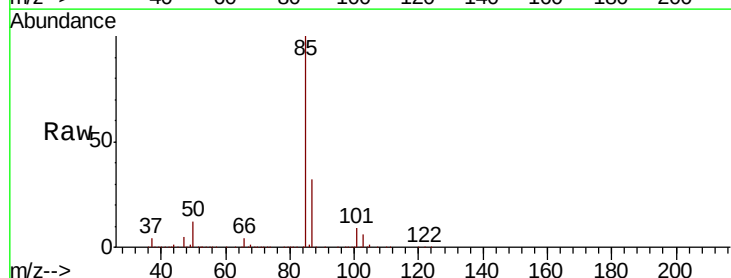
Acq: 4 Oct 2018 12:30

Tgt Ion: 85 Resp: 1393139

Ion Ratio Lower Upper

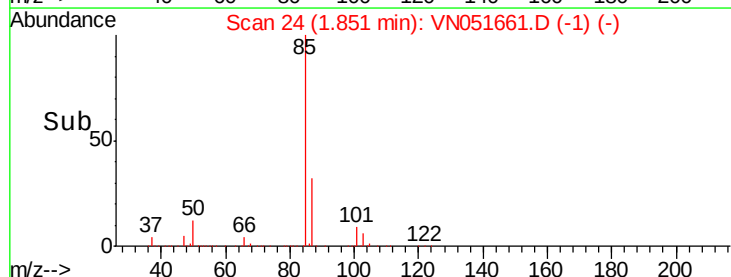
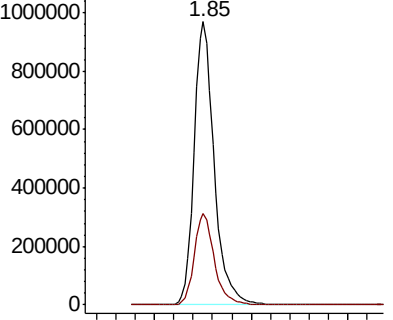
85 100

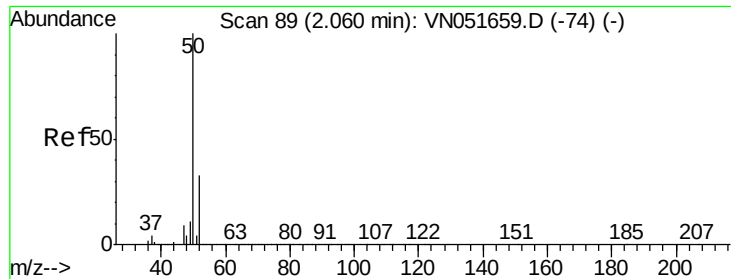
87 32.3 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC





#3

Chloromethane

Concen: 138.458 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1142884

Ion Ratio Lower Upper

50 100

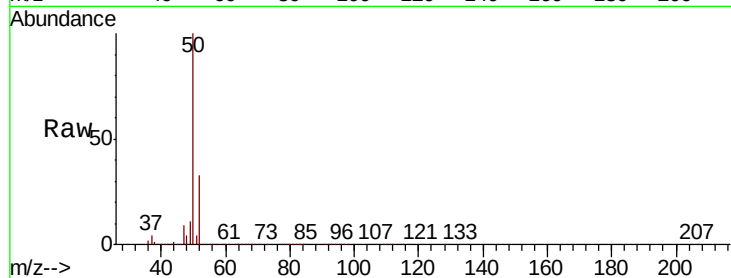
52 33.2 26.6 39.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

800000

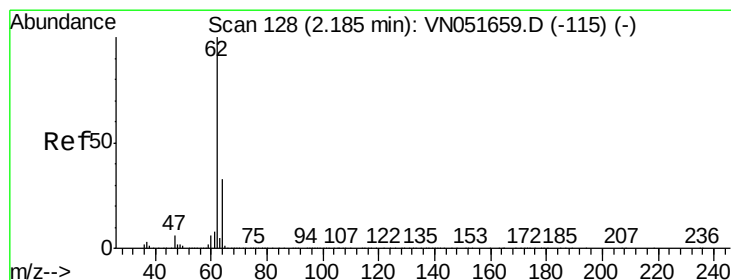
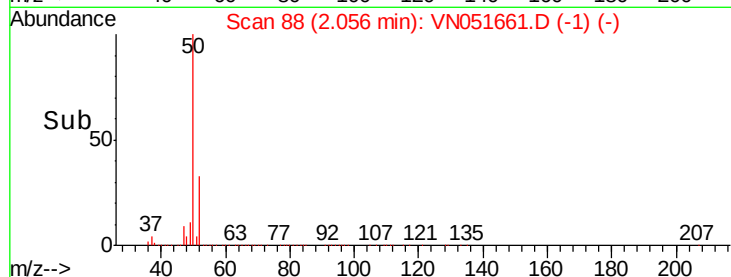
600000

400000

200000

0

Time-->



#4

Vinyl Chloride

Concen: 137.900 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051661.D

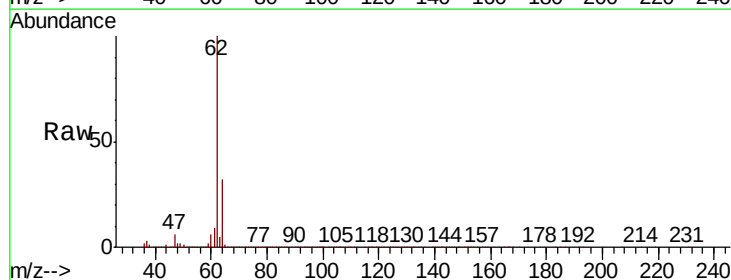
Acq: 4 Oct 2018 12:30

Tgt Ion: 62 Resp: 1793074

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

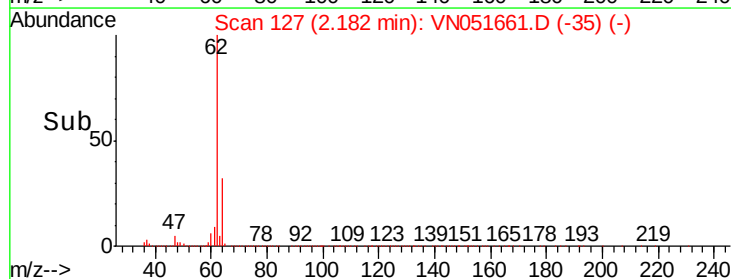
2.18

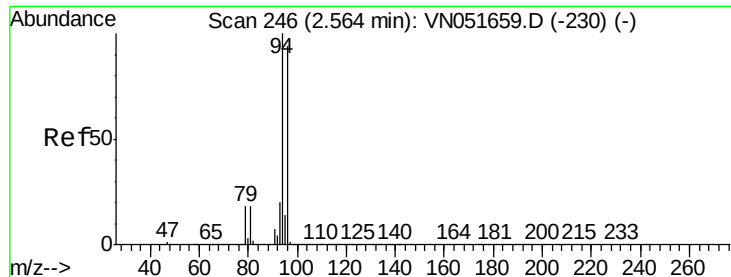
1000000

500000

0

Time-->





#5

Bromomethane

Concen: 138.794 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 1387864

Ion Ratio Lower Upper

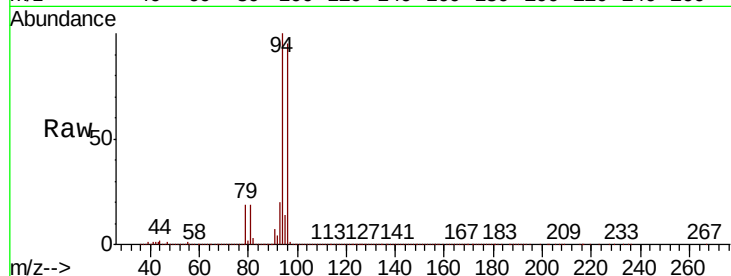
94 100

96 94.7 75.2 112.8

Manual Integrations
APPROVED

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

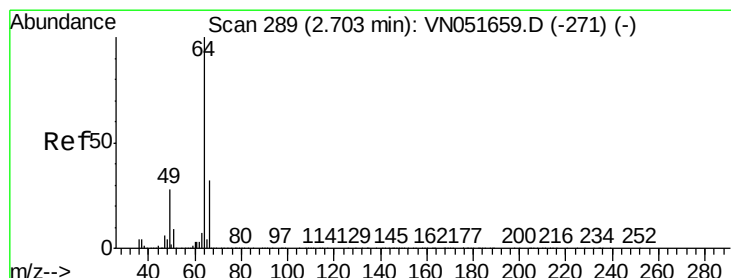
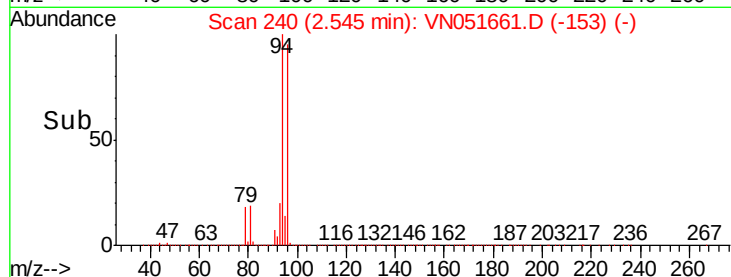
600000

400000

200000

0

Time-->



#6

Chloroethane

Concen: 132.850 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN051661.D

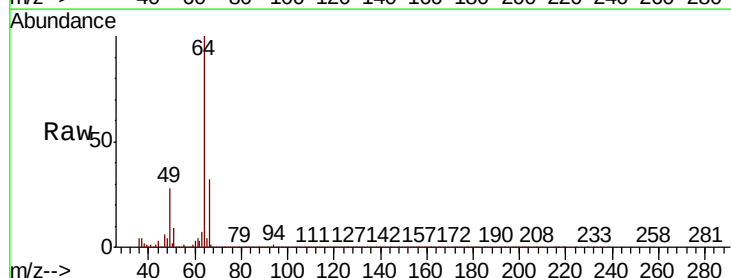
Acq: 4 Oct 2018 12:30

Tgt Ion: 64 Resp: 1160982

Ion Ratio Lower Upper

64 100

66 32.4 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

600000

500000

400000

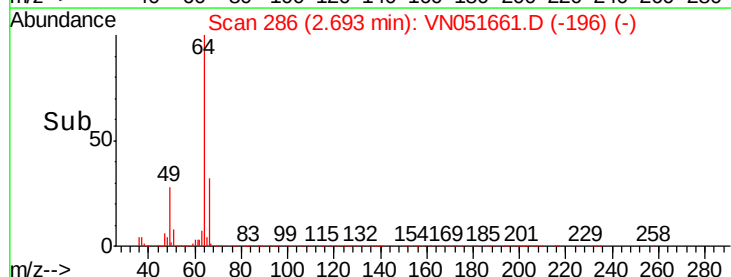
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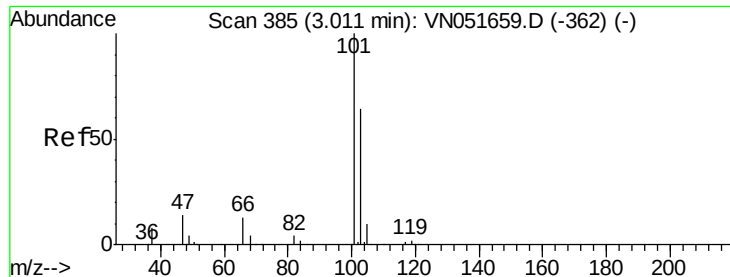
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100000

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Time-->





#7

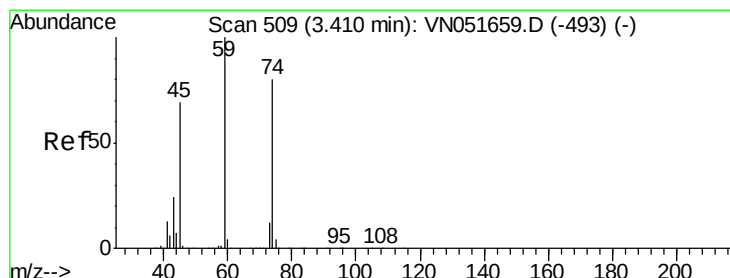
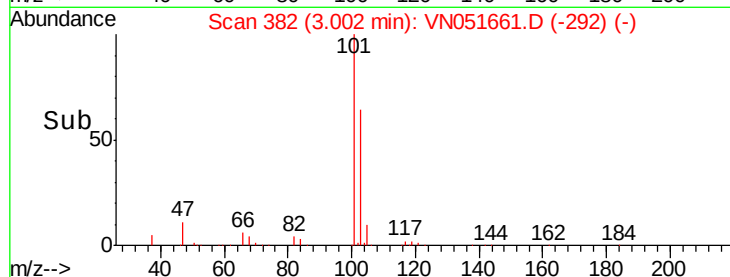
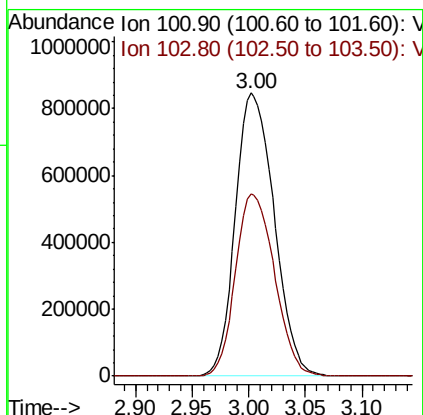
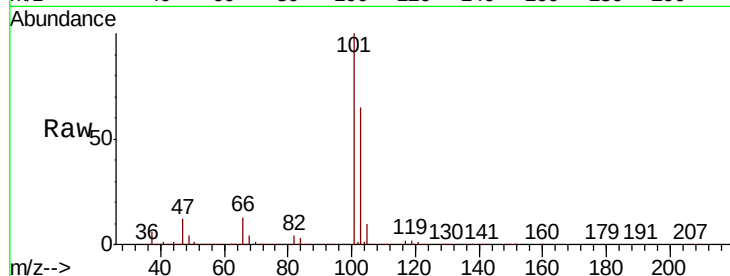
Trichlorofluoromethane
Concen: 136.796 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 2027923
Ion Ratio Lower Upper
101 100
103 64.4 51.1 76.7

Manual Integrations
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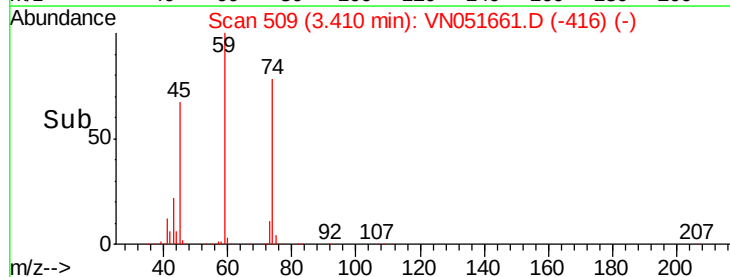
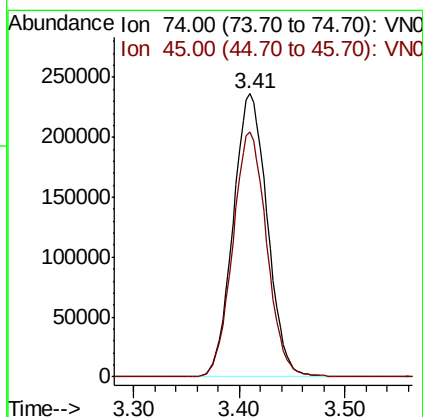
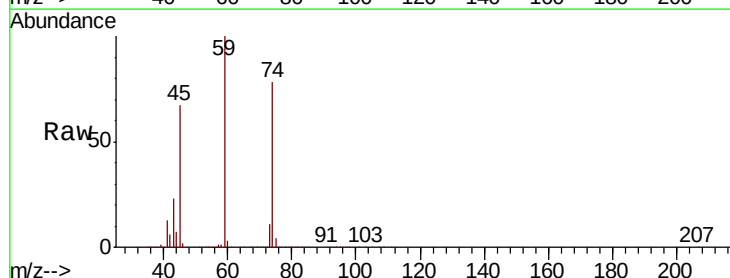
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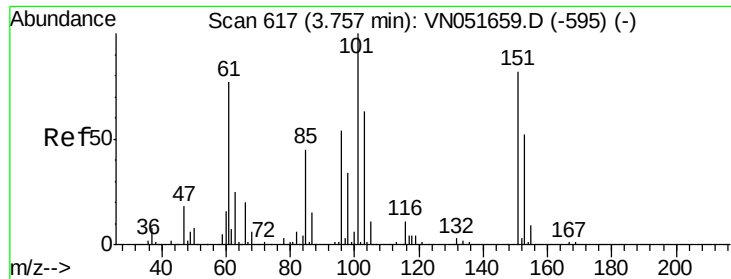


#8

Diethyl Ether
Concen: 140.444 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Tgt Ion: 74 Resp: 532152
Ion Ratio Lower Upper
74 100
45 85.2 44.3 132.9





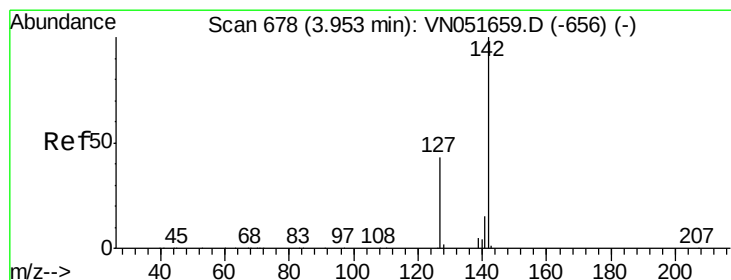
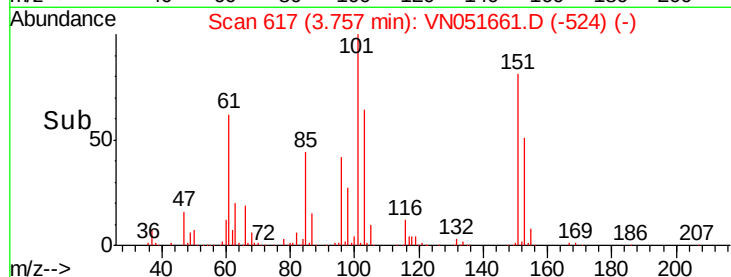
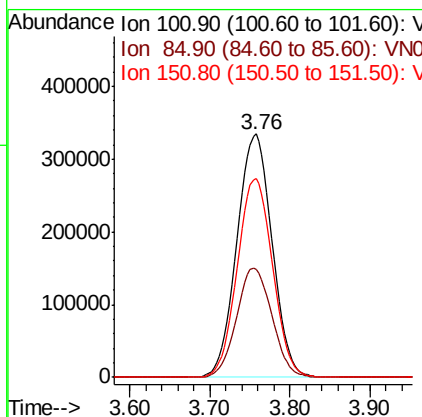
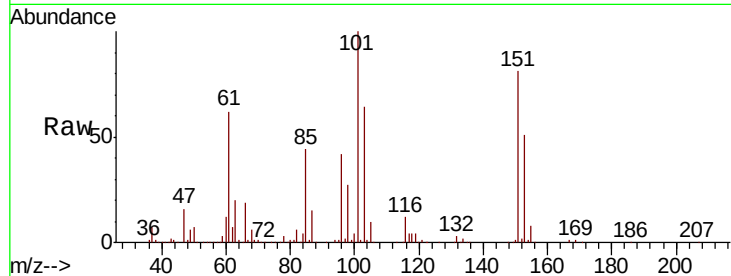
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 138.148 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	998401		
85	45.2	35.6	53.4	
151	82.0	65.5	98.3	

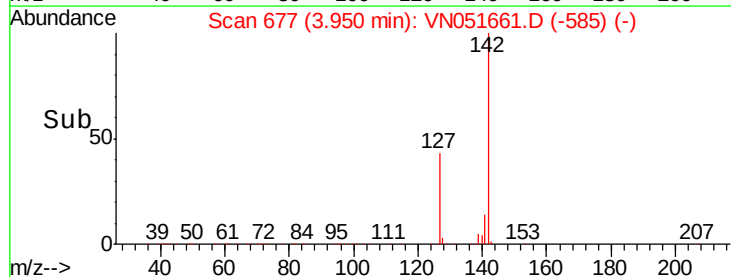
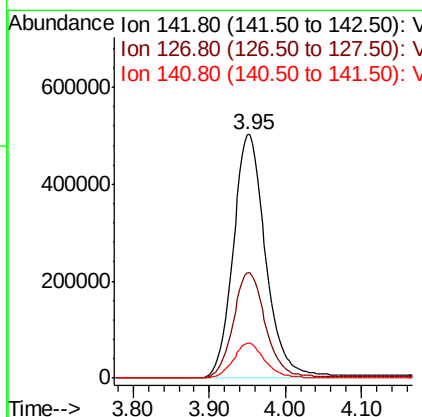
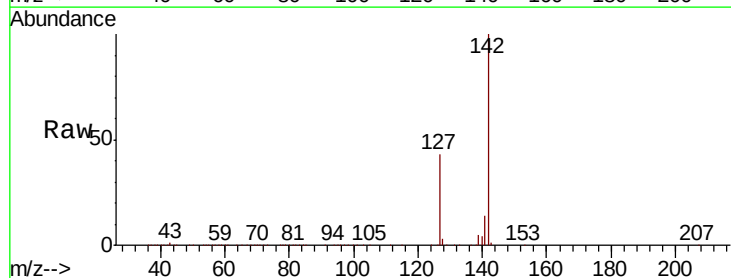
Manual Integrations
 APPROVED

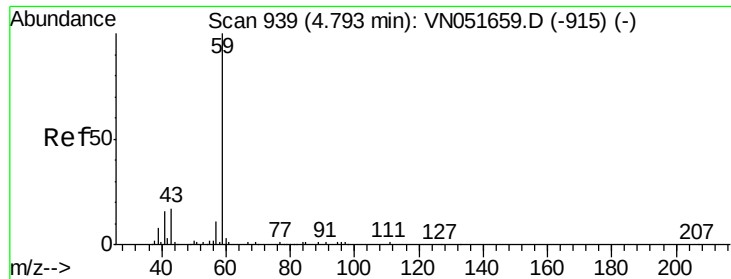
MMDadoda
 10/8/2018 1:53:09 PM



#10
 Methyl Iodide
 Concen: 169.130 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	1489979		
127	43.4	34.7	52.1	
141	13.9	11.4	17.2	





#11

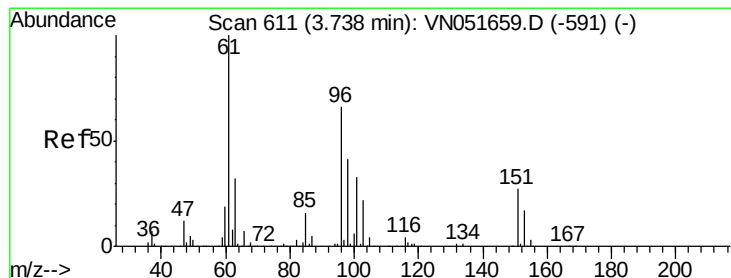
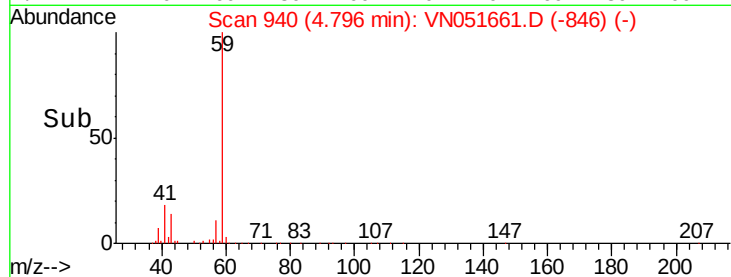
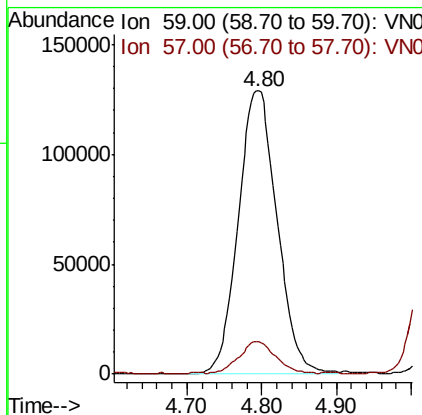
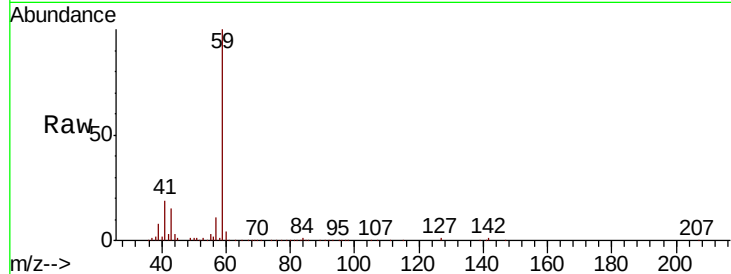
Tert butyl alcohol
Concen: 774.445 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

Manual Integrations
APPROVED

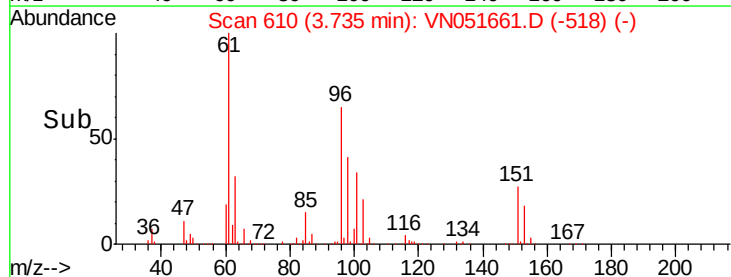
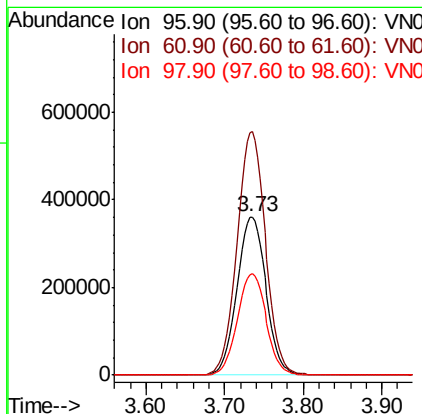
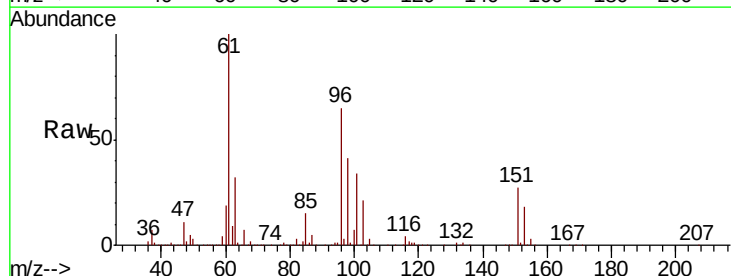
MMDadoda
10/8/2018 1:53:09 PM

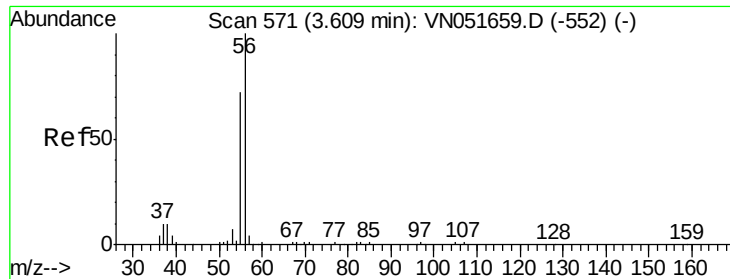


#12

1,1-Dichloroethene
Concen: 138.470 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.9	121.4	182.0
98	63.8	49.9	74.9





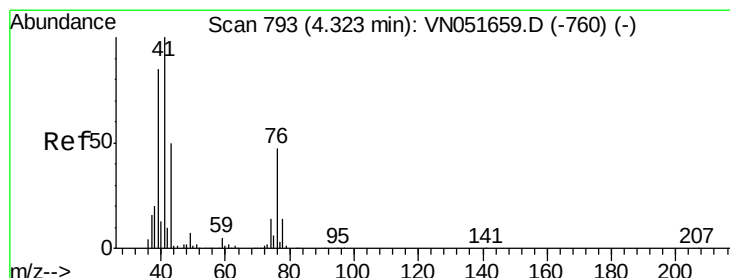
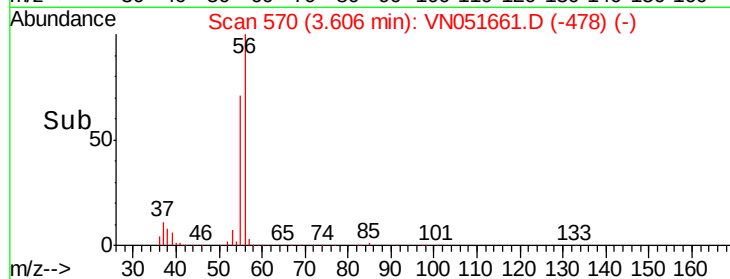
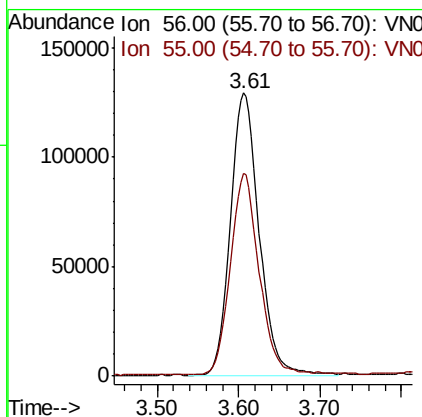
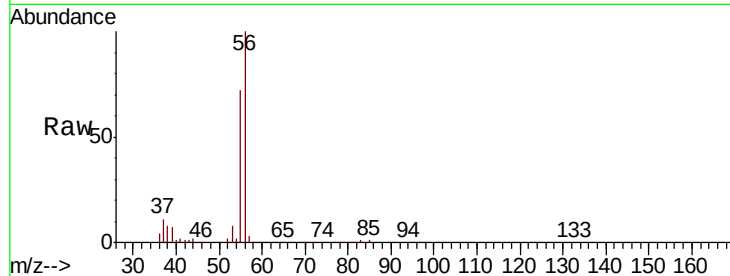
#13
Acrolein
Concen: 783.853 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	56	55	Ratio	Lower	Upper
318008	100	70.2		57.5	86.3

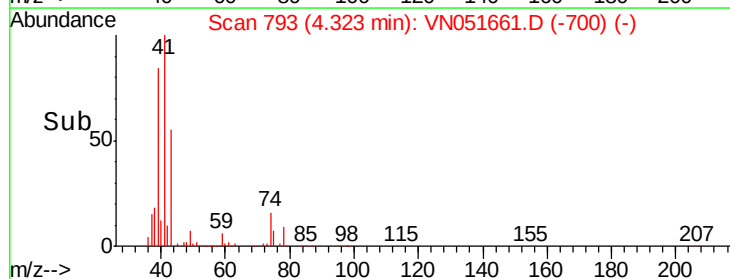
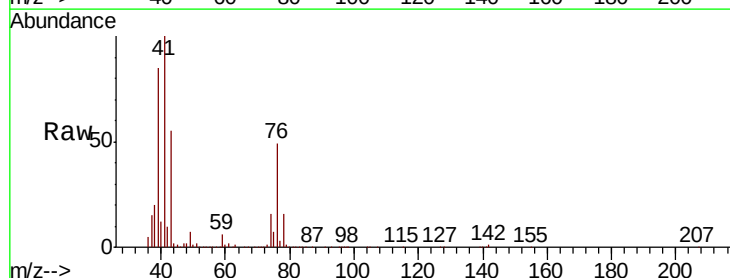
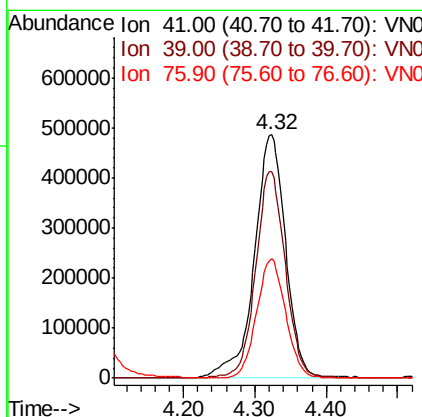
Manual Integrations
APPROVED

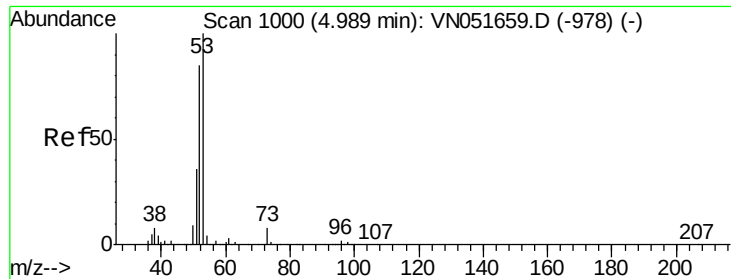
MMDadoda
10/8/2018 1:53:09 PM



#14
Allyl chloride
Concen: 142.714 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Tgt Ion	41	39	76	Ratio	Lower	Upper
1466176	100	80.2	45.6		65.4	98.0
					34.3	51.5





#15

Acrylonitrile

Concen: 742.525 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1663902

Ion Ratio Lower Upper

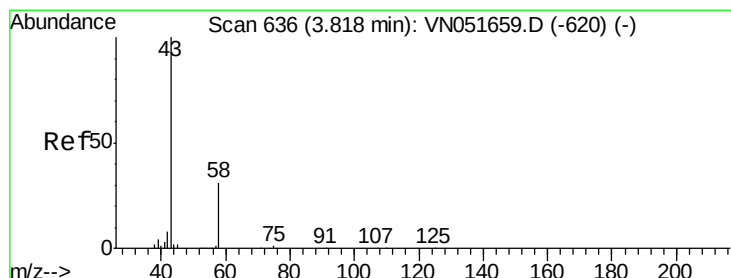
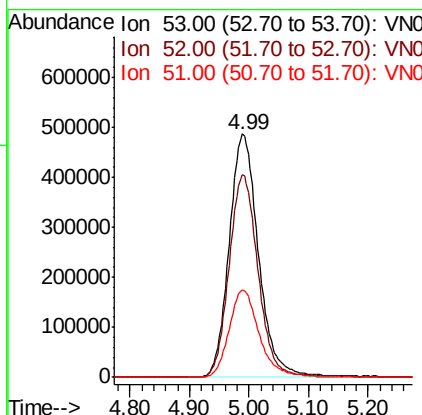
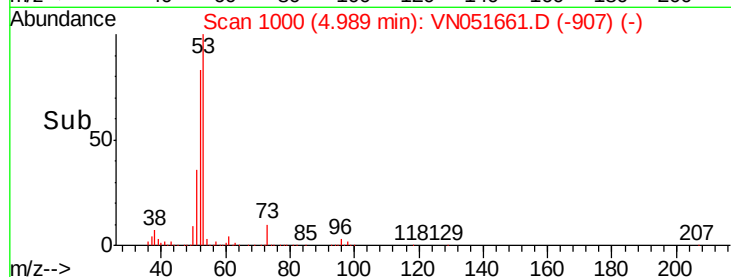
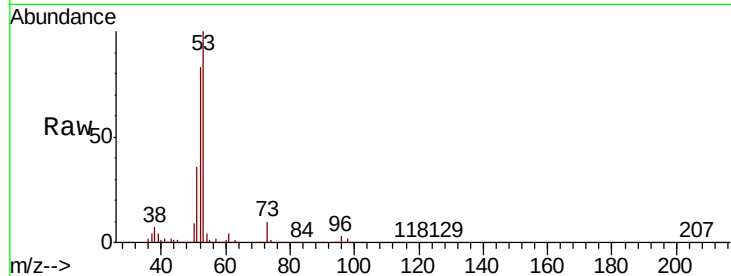
53 100

52 82.3 66.2 99.2

51 37.0 30.3 45.5

Manual Integrations
APPROVED

MMDadoda
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#16

Acetone

Concen: 651.851 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051661.D

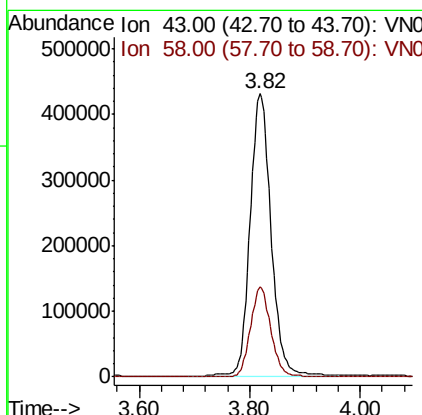
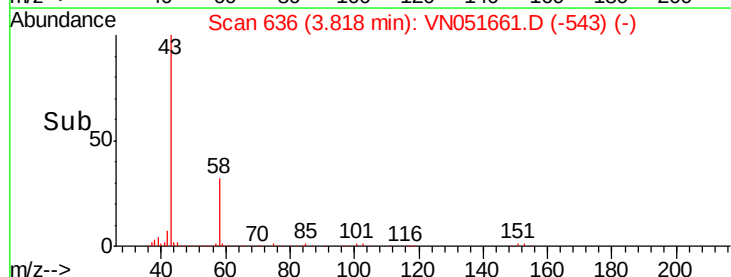
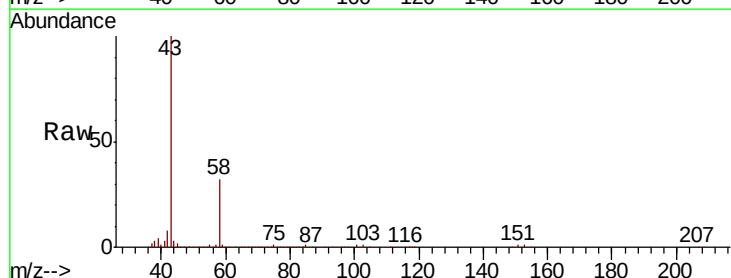
Acq: 4 Oct 2018 12:30

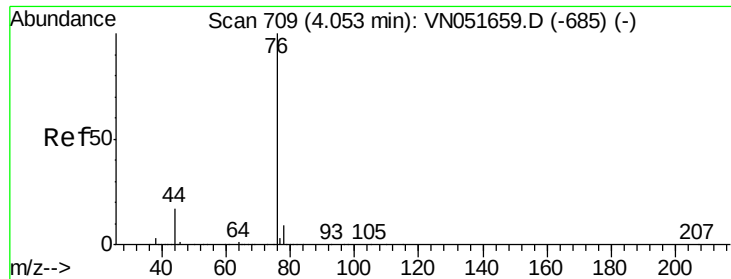
Tgt Ion: 43 Resp: 1139926

Ion Ratio Lower Upper

43 100

58 31.7 24.3 36.5





#17

Carbon Disulfide

Concen: 143.575 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 2939644

Ion Ratio Lower Upper

76 100

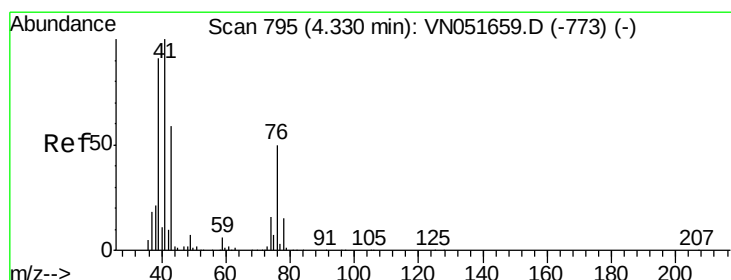
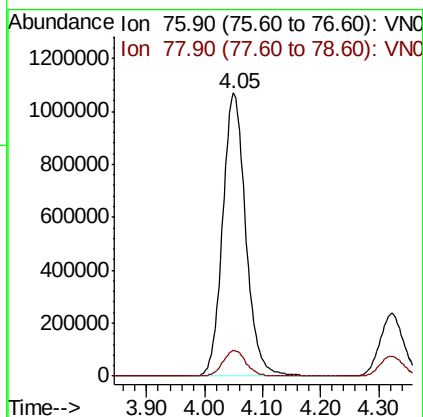
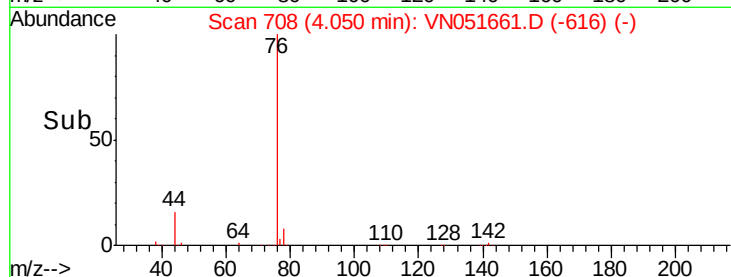
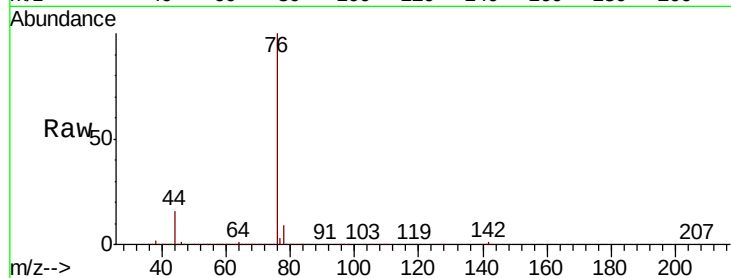
78 9.1 7.2 10.8

Manual Integrations

APPROVED

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10/8/2018 1:53:09 PM



#18

Methyl Acetate

Concen: 145.963 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051661.D

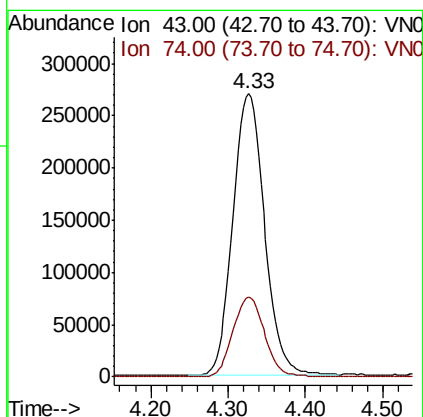
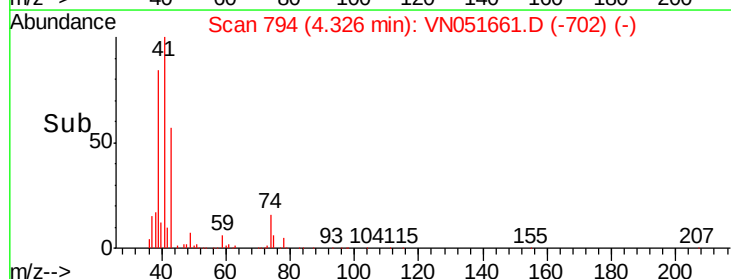
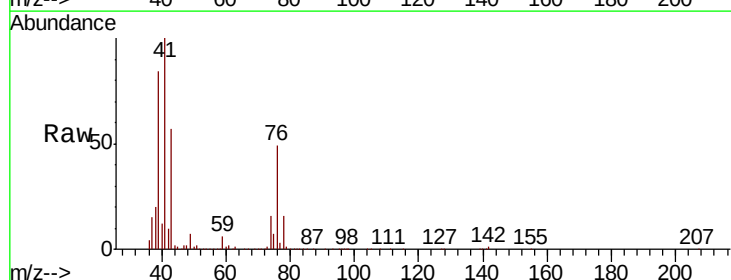
Acq: 4 Oct 2018 12:30

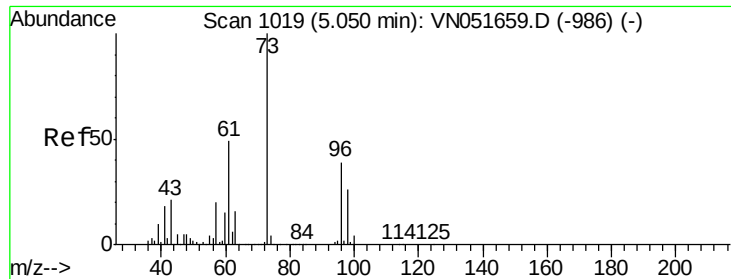
Tgt Ion: 43 Resp: 769809

Ion Ratio Lower Upper

43 100

74 28.5 21.5 32.3





#19

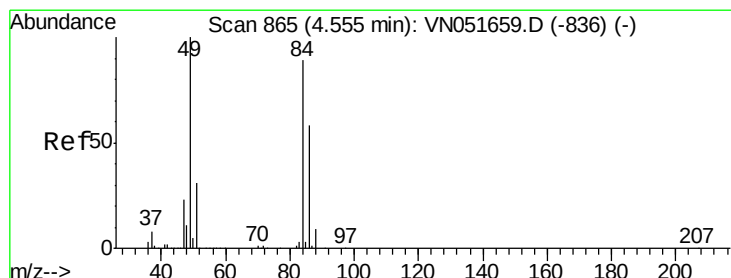
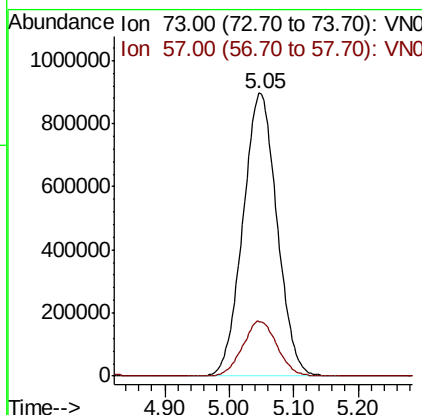
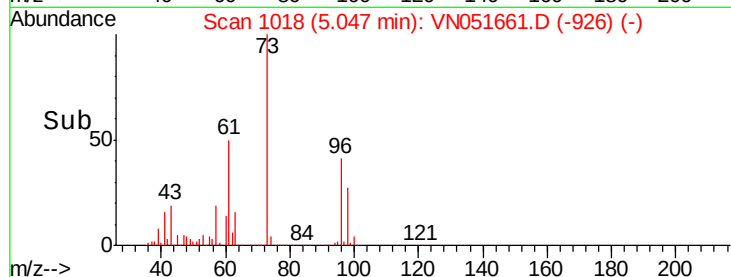
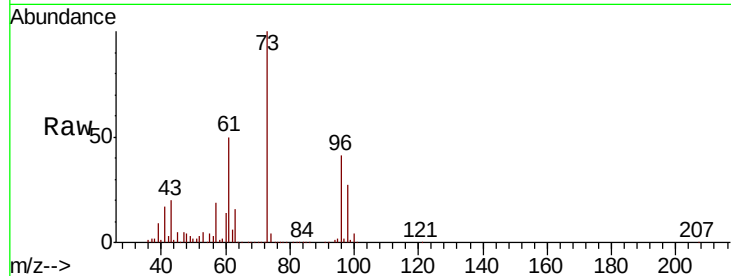
Methyl tert-butyl Ether
 Concen: 148.159 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 3294115
 Ion Ratio Lower Upper
 73 100
 57 19.3 15.6 23.4

Manual Integrations
 APPROVED

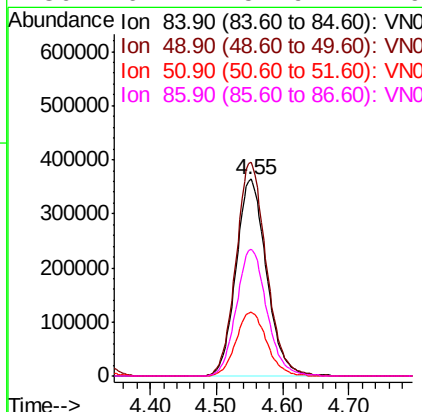
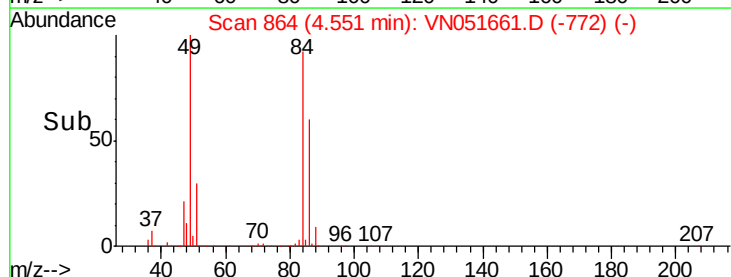
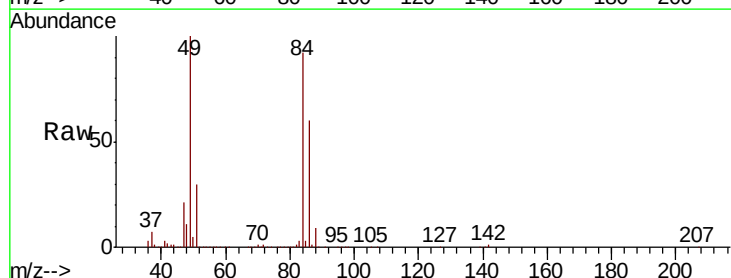
MMDadoda
 10/8/2018 1:53:09 PM

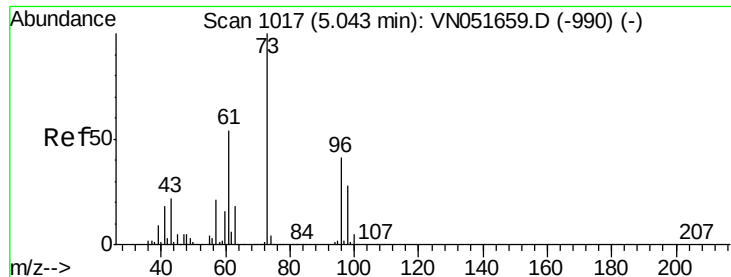


#20

Methylene Chloride
 Concen: 147.514 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Tgt Ion: 84 Resp: 1159666
 Ion Ratio Lower Upper
 84 100
 49 108.8 89.5 134.3
 51 32.4 27.4 41.0
 86 64.7 51.9 77.9





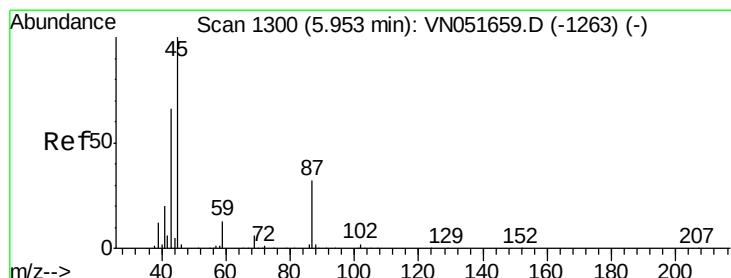
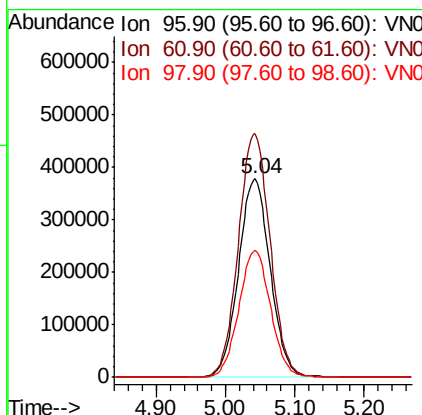
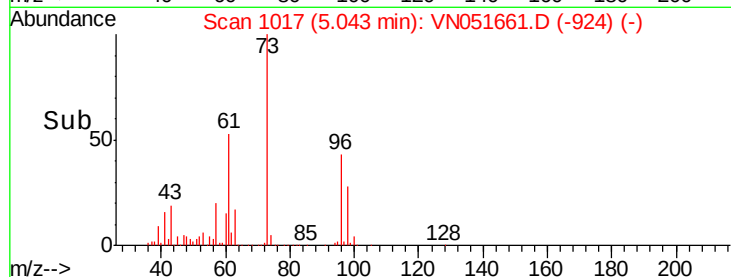
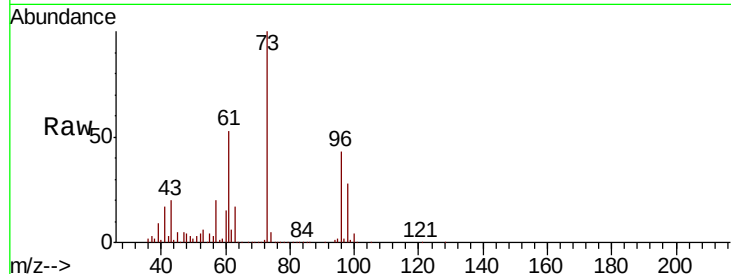
#21
trans-1,2-Dichloroethene
Concen: 150.714 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 1202998
Ion Ratio Lower Upper
96 100
61 122.4 104.7 157.1
98 64.1 54.6 82.0

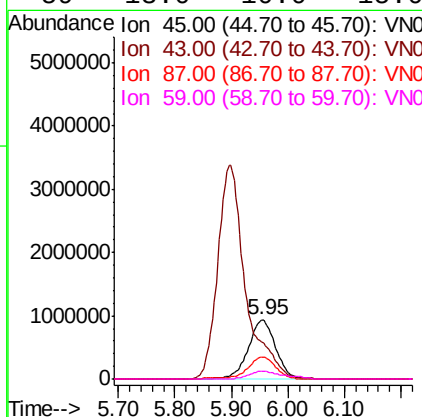
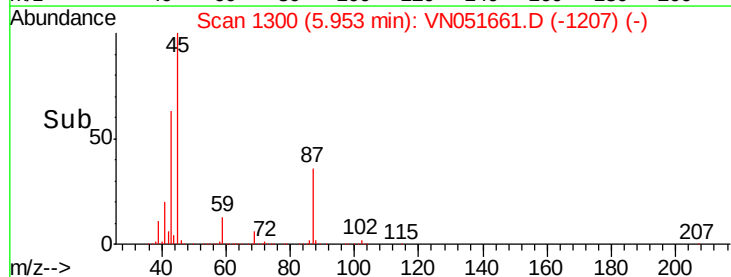
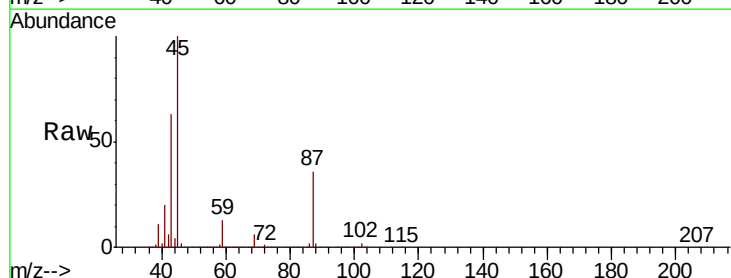
Manual Integrations
APPROVED

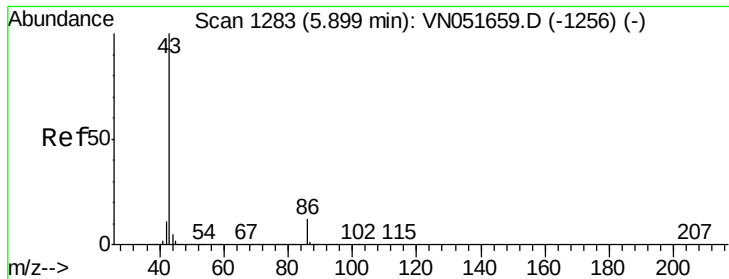
MMDadoda
10/8/2018 1:53:09 PM



#22
Diisopropyl ether
Concen: 141.962 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Tgt Ion: 45 Resp: 3126328
Ion Ratio Lower Upper
45 100
43 62.4 53.0 79.4
87 36.4 26.4 39.6
59 13.0 10.0 15.0





#23

Vinyl Acetate

Concen: 713.443 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 11552545

Ion Ratio Lower Upper

43 100

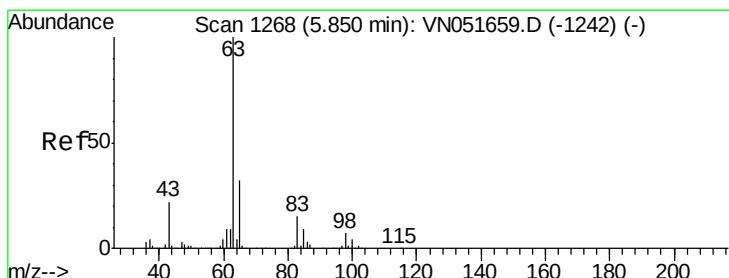
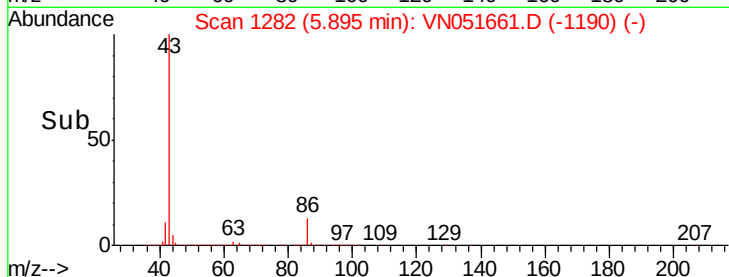
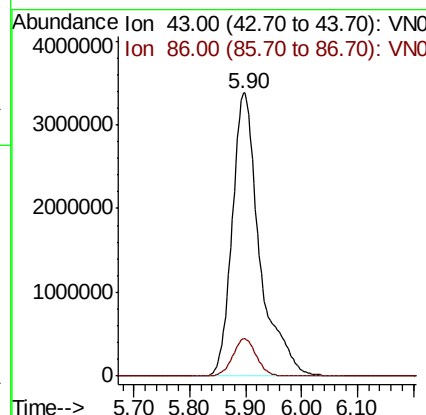
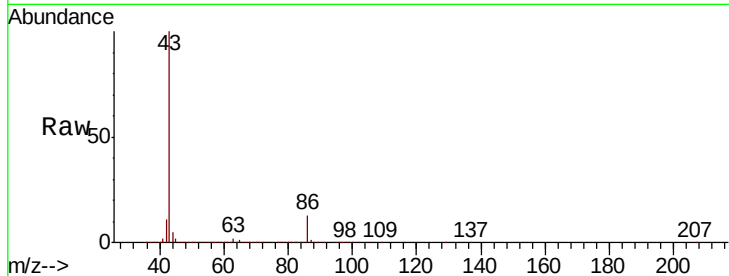
86 13.2 9.3 13.9

Manual Integrations

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10/8/2018 1:53:09 PM



#24

1,1-Dichloroethane

Concen: 143.274 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

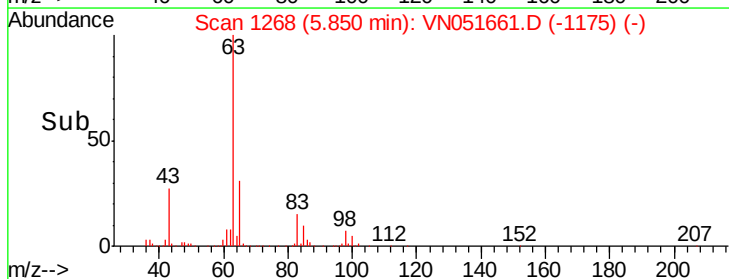
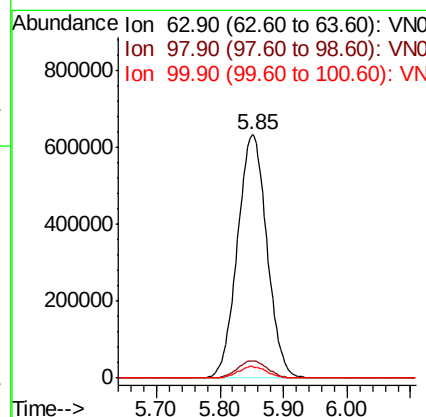
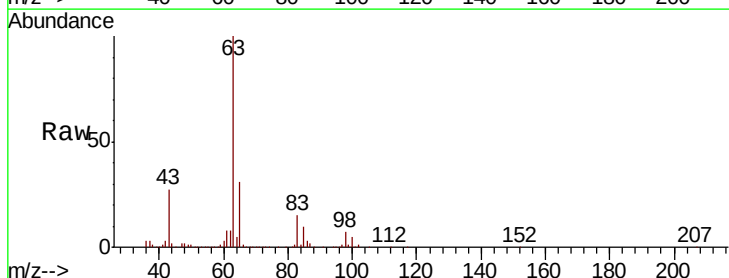
Tgt Ion: 63 Resp: 2029236

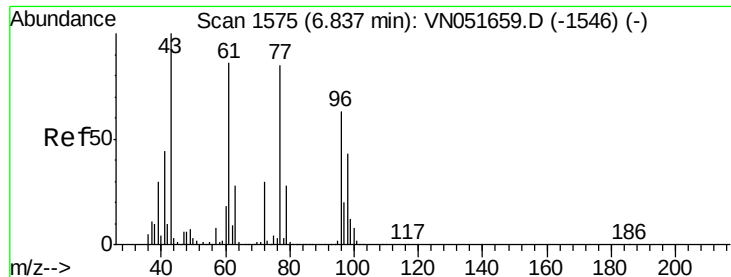
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

100 4.8 2.2 6.6





#25

2-Butanone

Concen: 678.743 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1872763

Ion Ratio Lower Upper

43 100

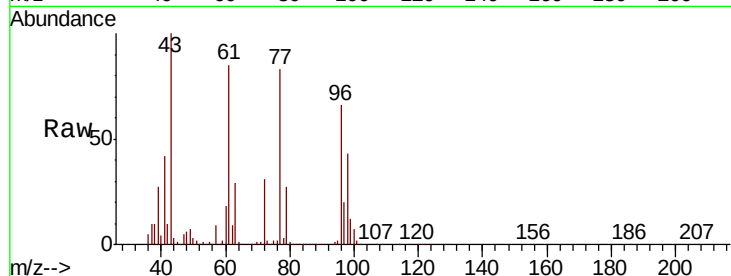
72 31.4 24.2 36.2

Manual Integrations

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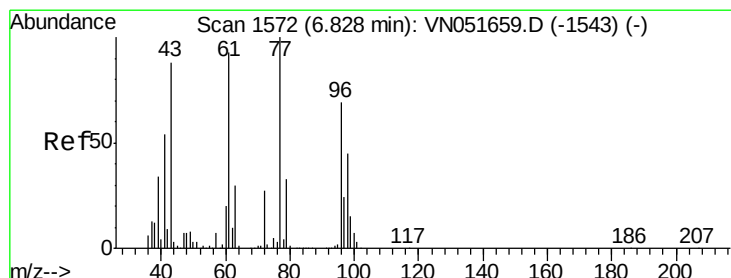
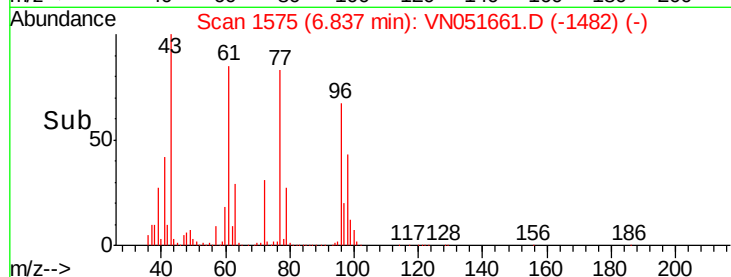
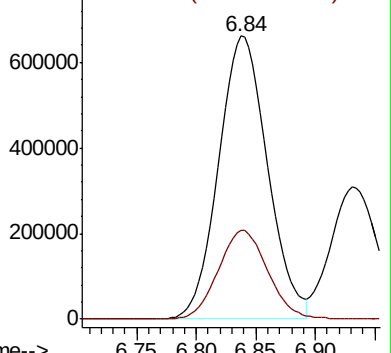
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 142.400 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051661.D

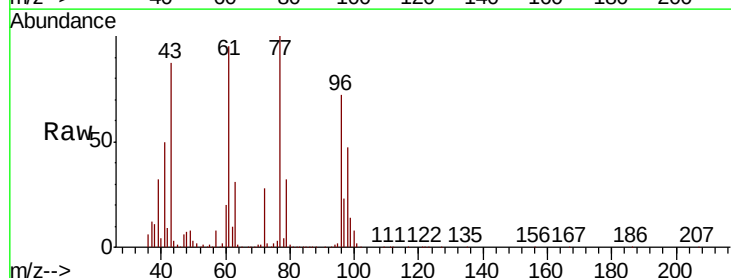
Acq: 4 Oct 2018 12:30

Tgt Ion: 77 Resp: 2021133

Ion Ratio Lower Upper

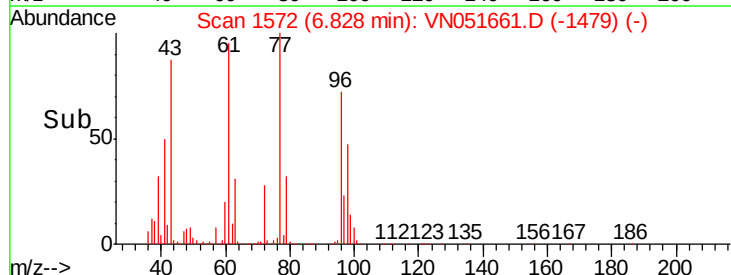
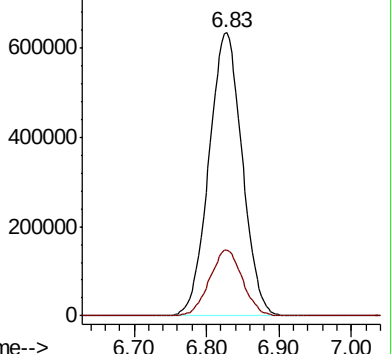
77 100

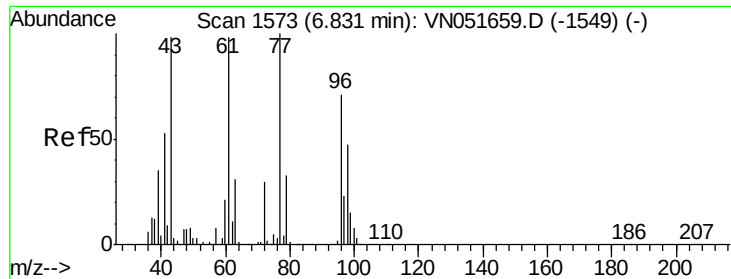
97 23.1 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 146.644 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Instrument :

MSVOA_N

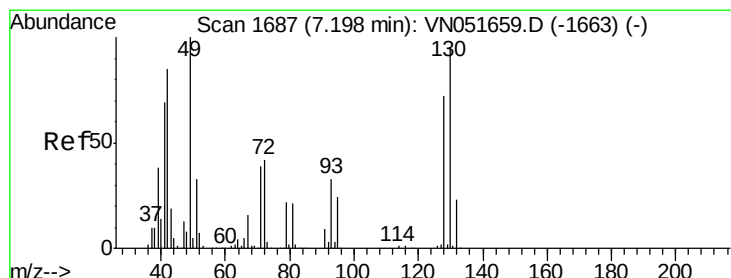
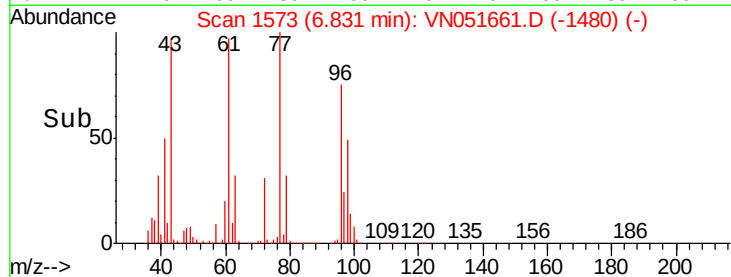
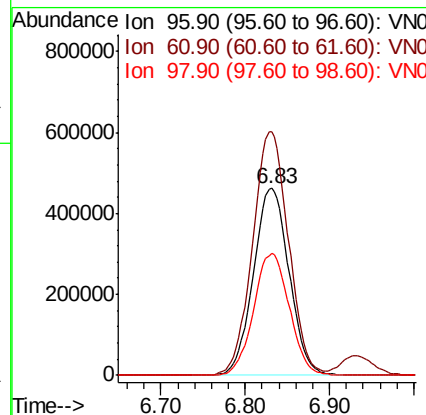
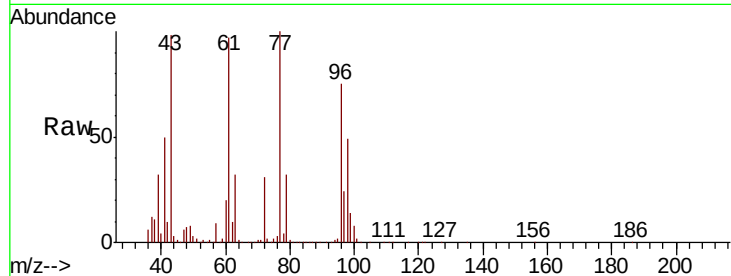
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.0	0.0	275.4
98	65.2	0.0	129.6

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#28

Bromochloromethane

Concen: 141.374 ug/l

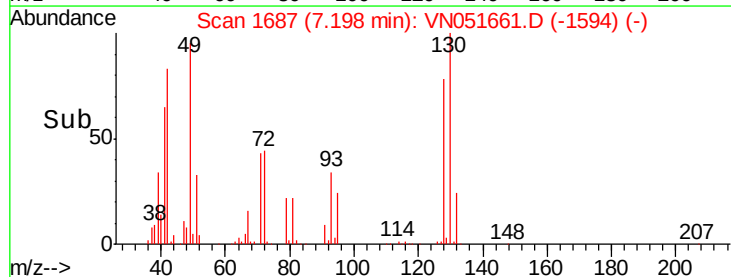
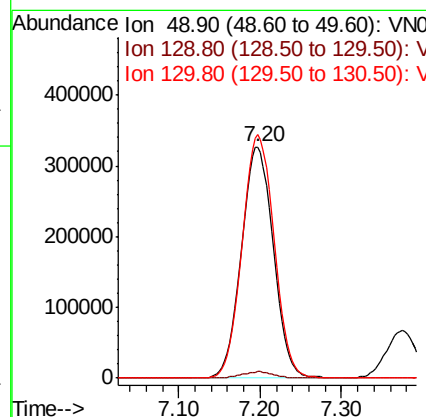
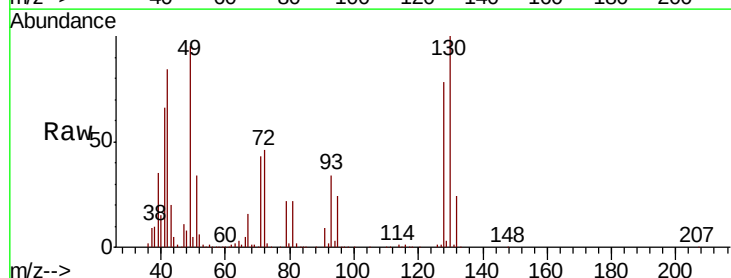
RT: 7.20 min Scan# 1687

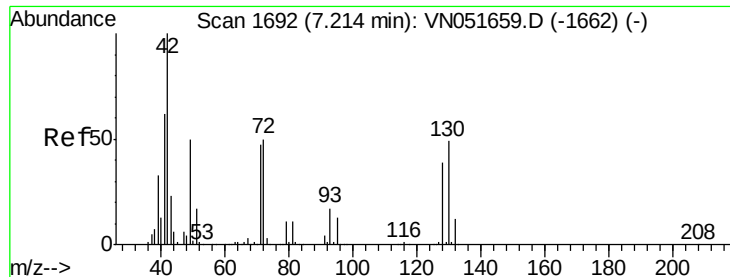
Delta R.T. -0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.8
130	105.1	75.7	113.5





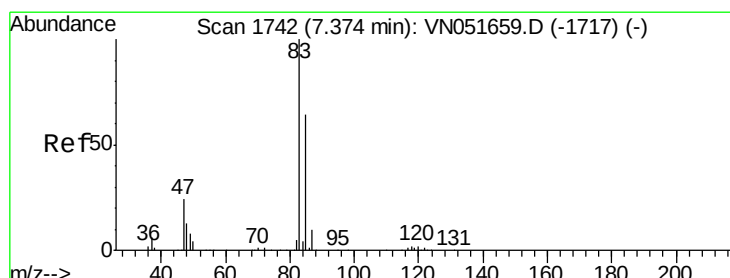
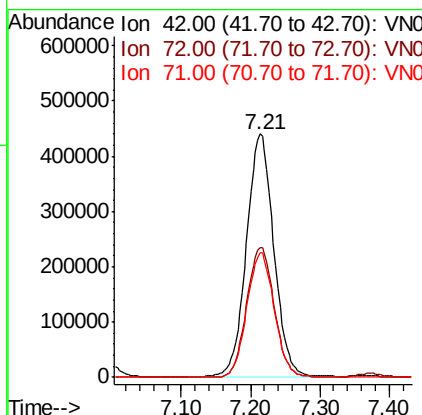
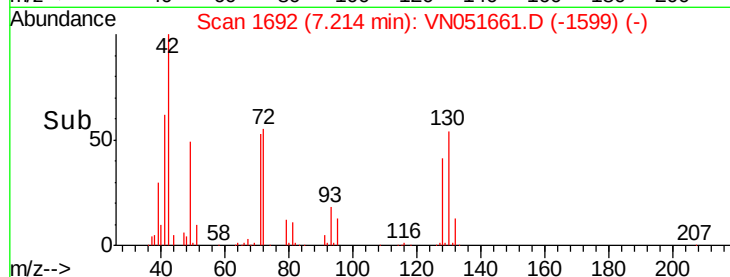
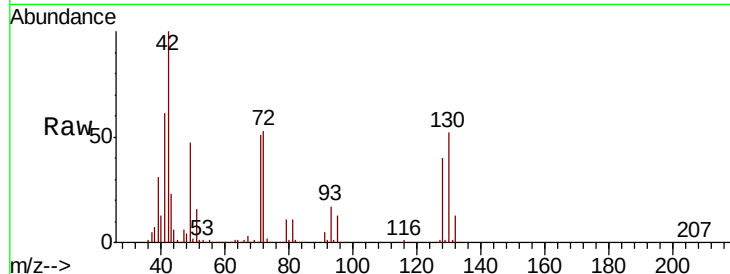
#29
Tetrahydrofuran
Concen: 712.196 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1205897
Ion Ratio Lower Upper
42 100
72 53.8 40.1 60.1
71 51.3 38.0 57.0

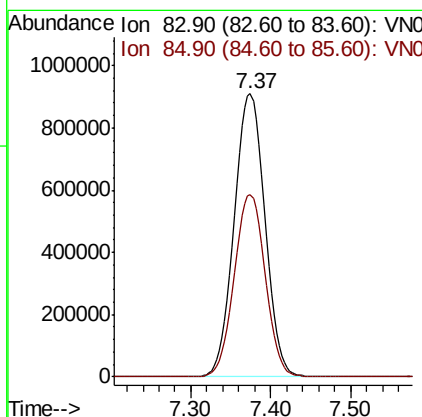
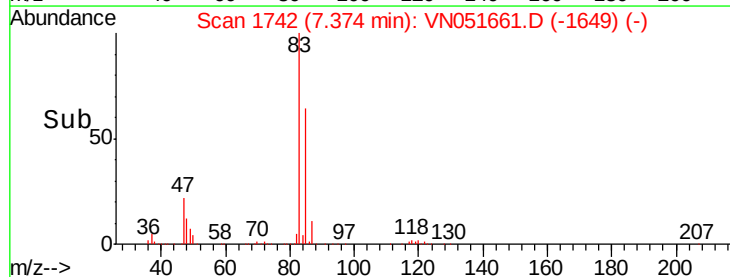
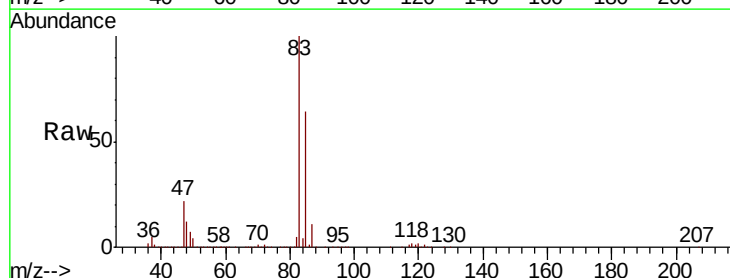
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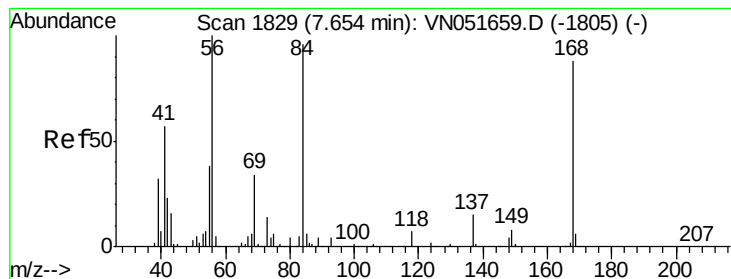
MMDadoda
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#30
Chloroform
Concen: 148.393 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Tgt Ion: 83 Resp: 2361422
Ion Ratio Lower Upper
83 100
85 64.5 51.6 77.4





#31

Cyclohexane

Concen: 135.791 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1761350

Ion Ratio Lower Upper

56 100

69 34.4 27.5 41.3

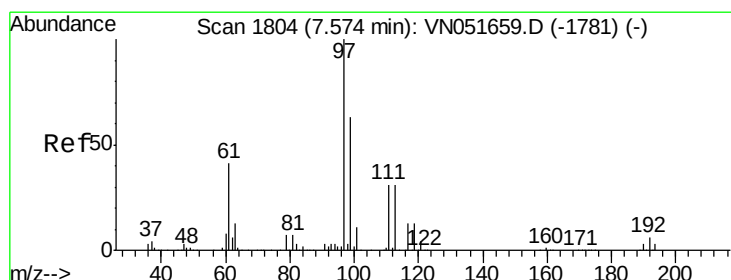
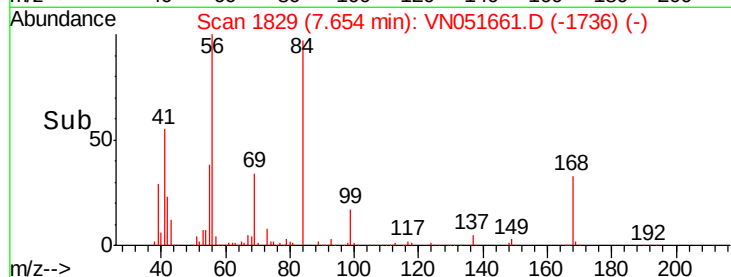
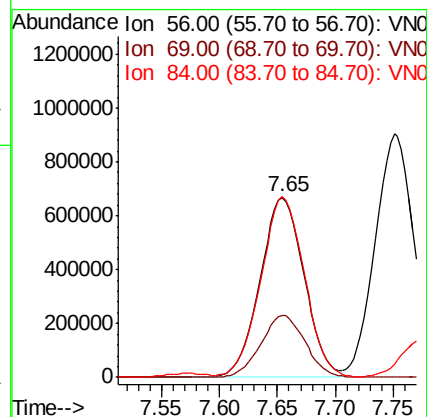
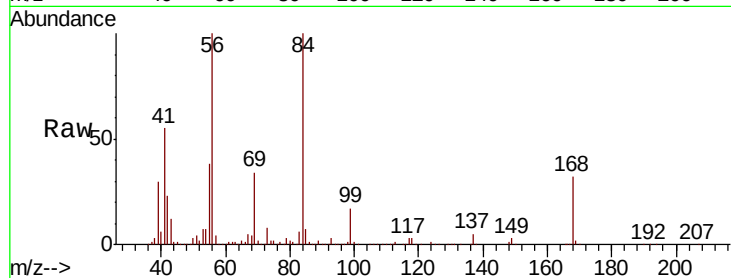
84 98.6 76.7 115.1

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 148.037 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

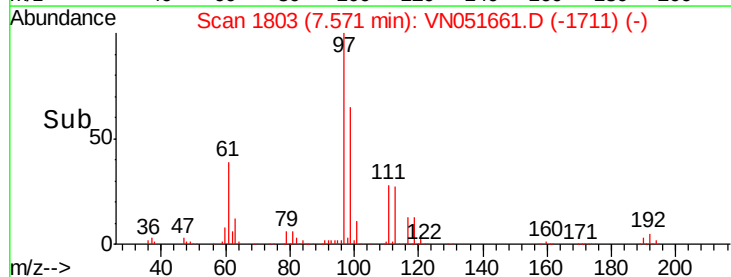
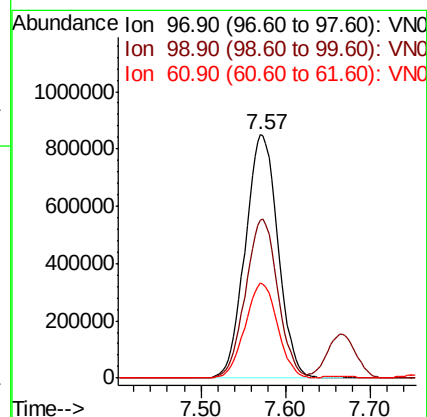
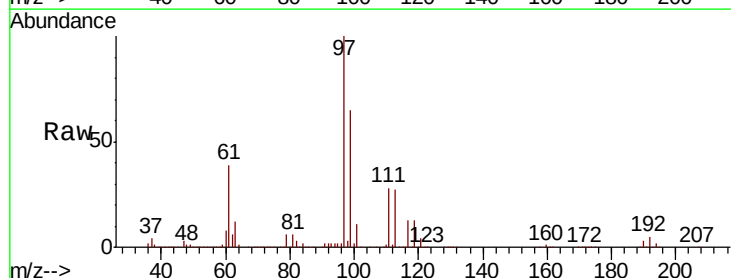
Tgt Ion: 97 Resp: 2283406

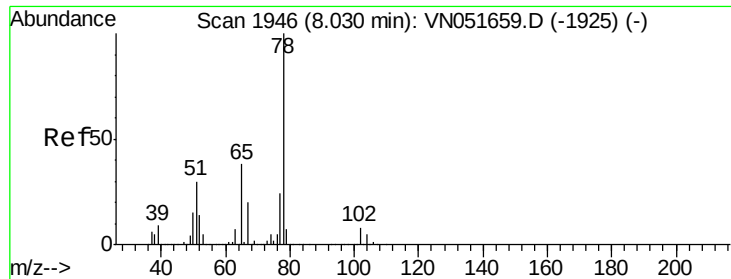
Ion Ratio Lower Upper

97 100

99 64.6 51.9 77.9

61 38.8 33.4 50.0





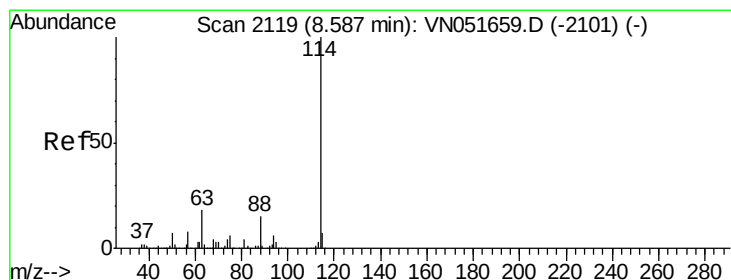
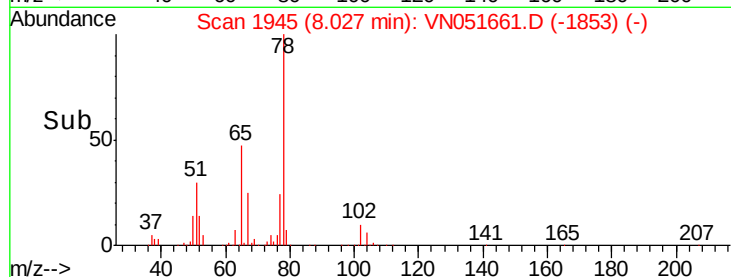
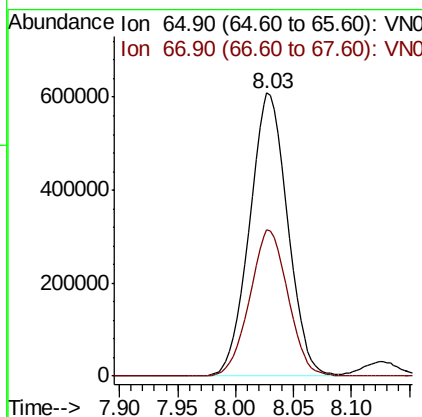
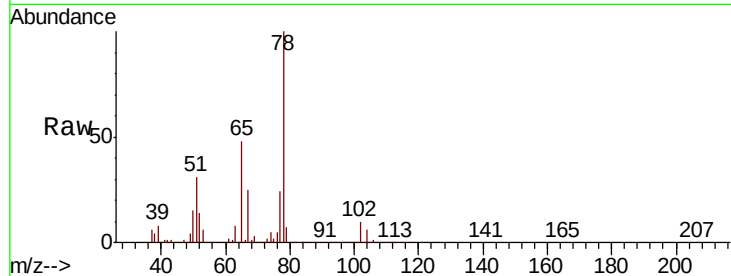
#33
 1,2-Dichloroethane-d4
 Concen: 148.037 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 1392344
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.6

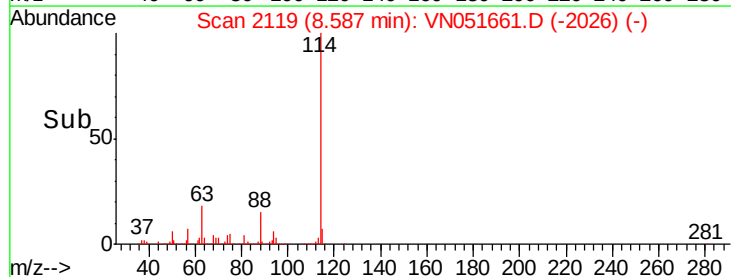
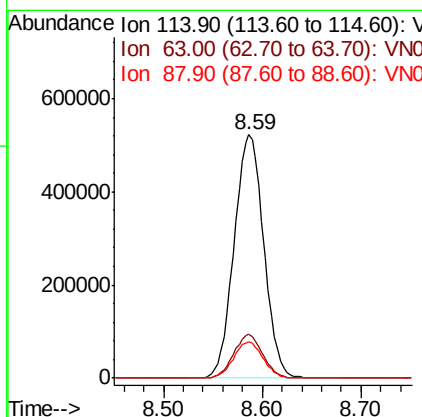
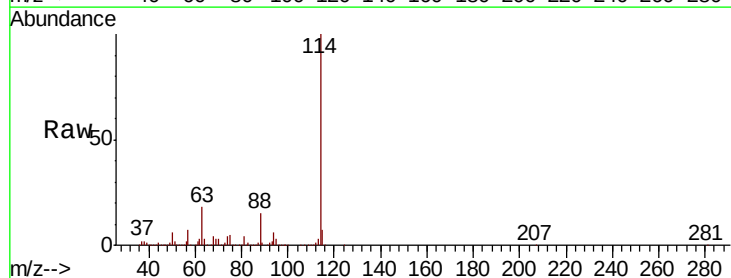
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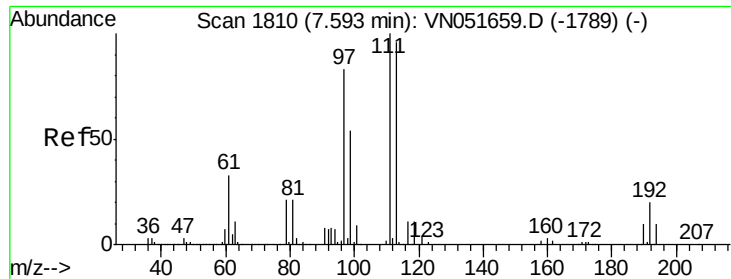
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Tgt Ion: 114 Resp: 1084087
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.2
 88 14.8 0.0 30.2





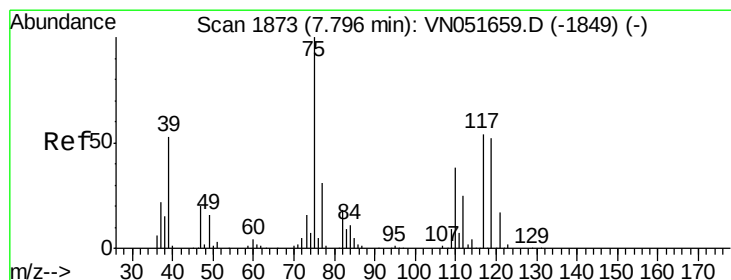
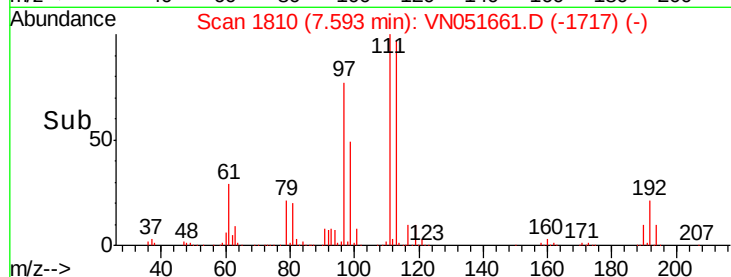
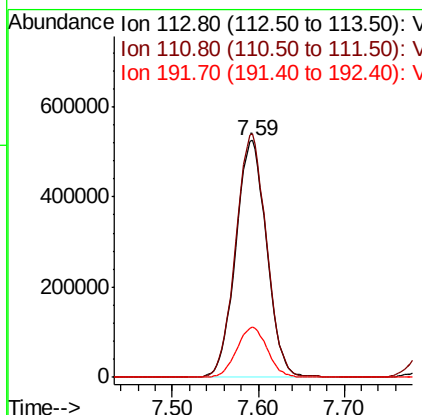
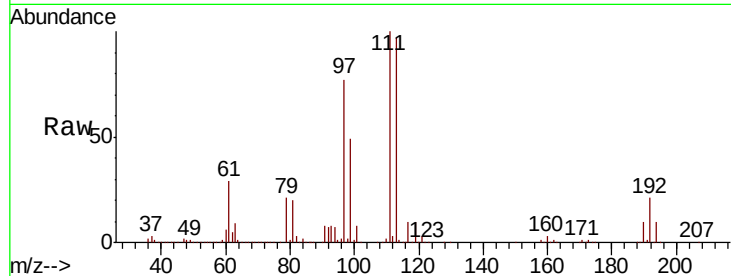
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.8
192	21.1	16.5	24.7

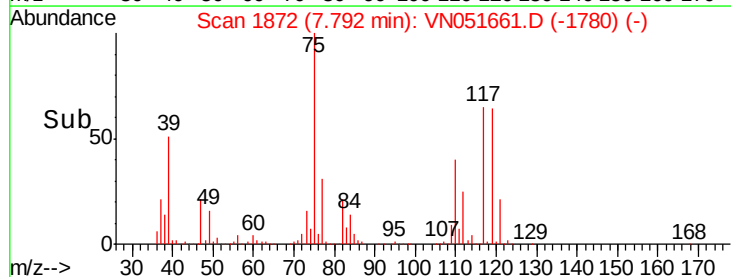
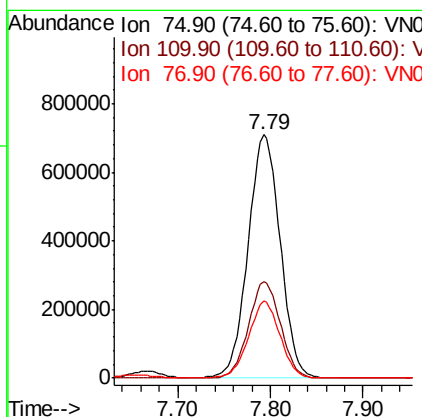
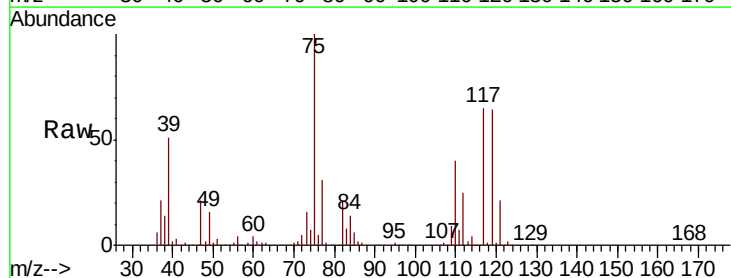
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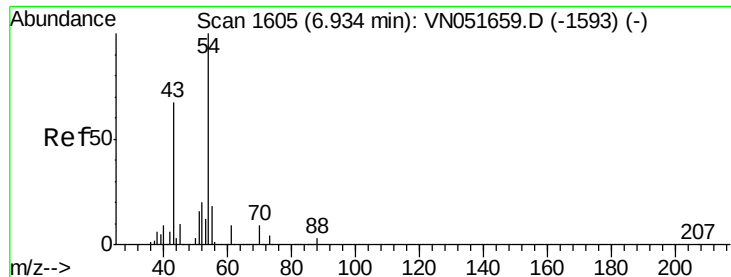
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#36
 1,1-Dichloropropene
 Concen: 150.326 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.5	19.3	57.8
77	30.8	24.7	37.1





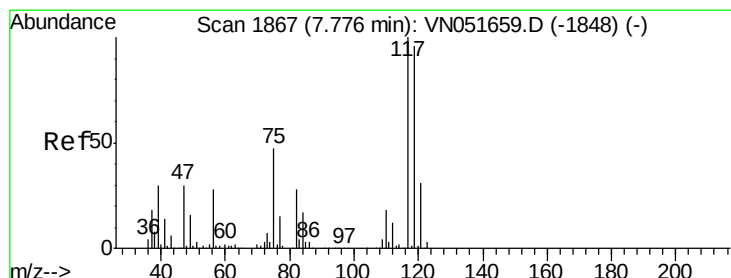
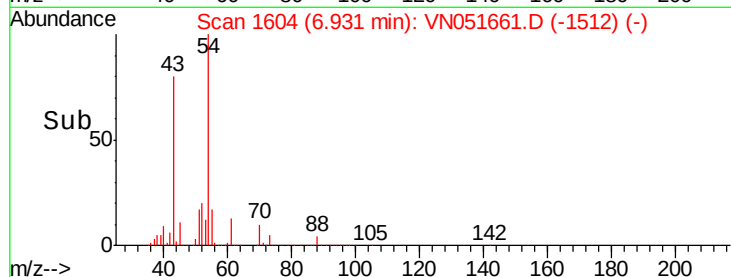
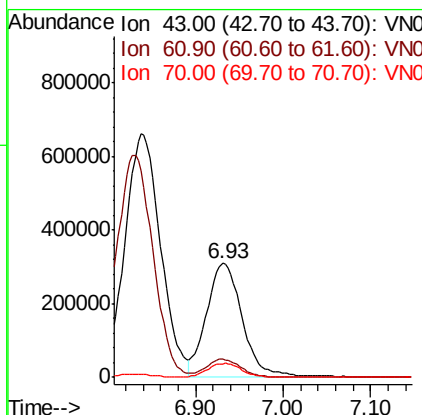
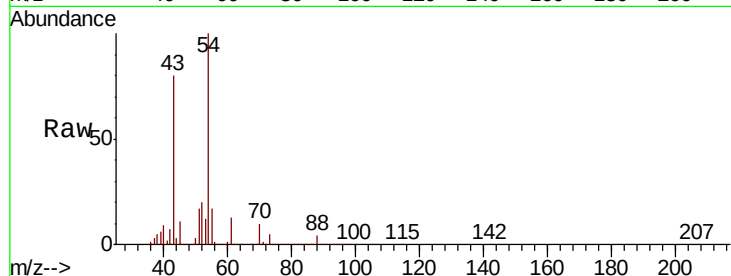
#37
Ethyl Acetate
Concen: 146.247 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.8	17.6
70	11.7	8.7	13.1

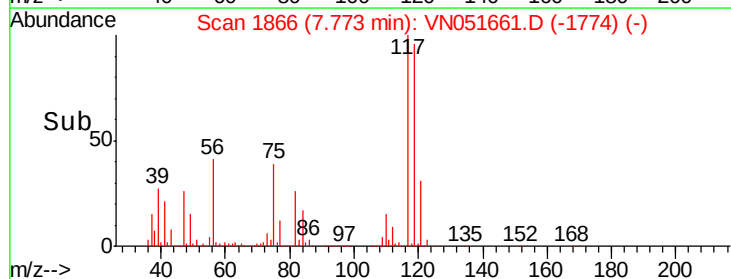
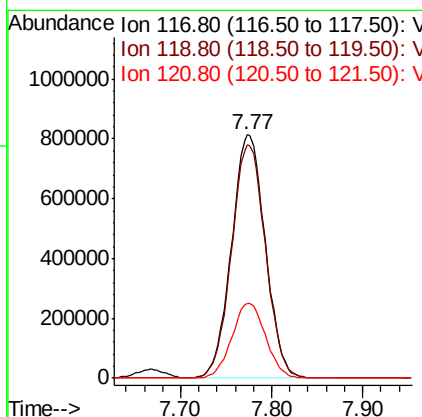
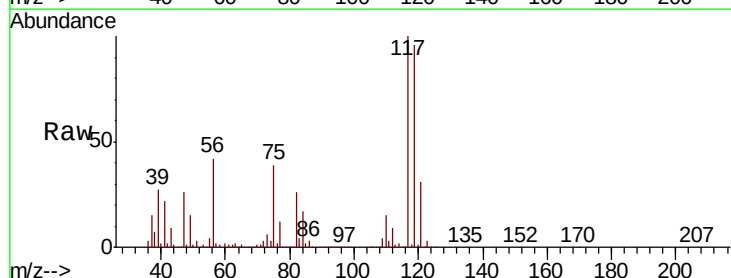
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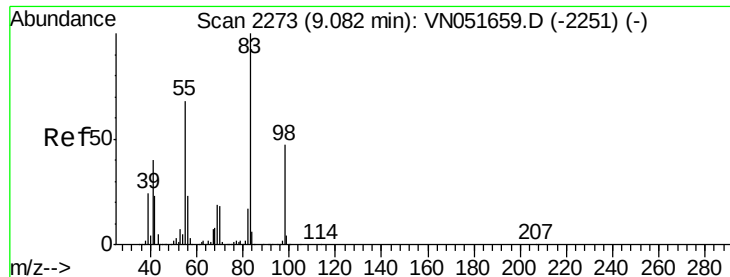
MMDadoda
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#38
Carbon Tetrachloride
Concen: 153.508 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.0	115.6
121	30.9	25.0	37.6





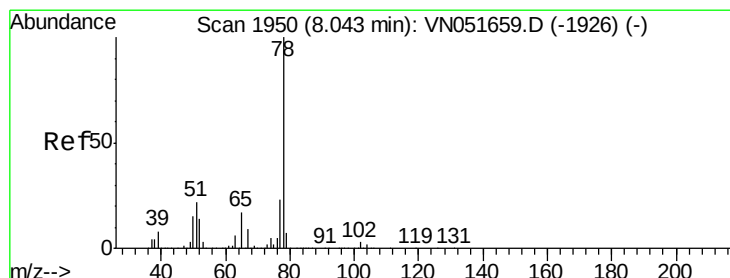
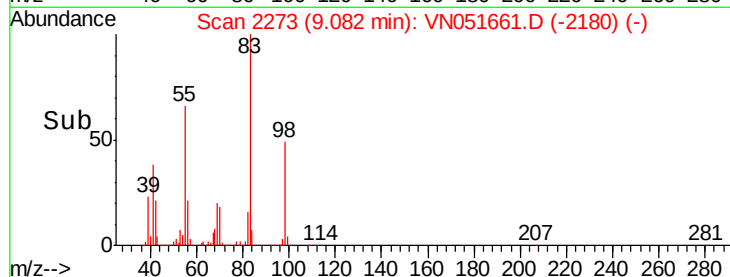
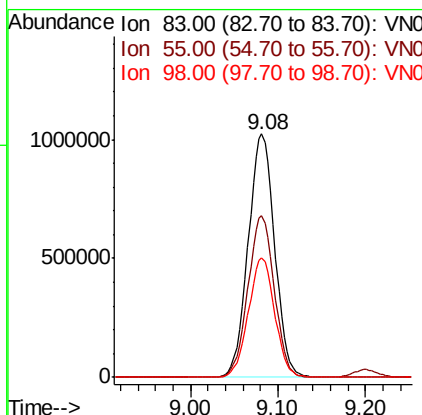
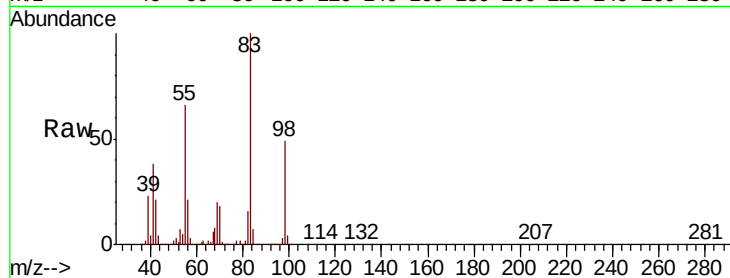
#39
Methylvlcyclohexane
Concen: 150.819 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.1	54.3	81.5
98	49.3	37.4	56.2

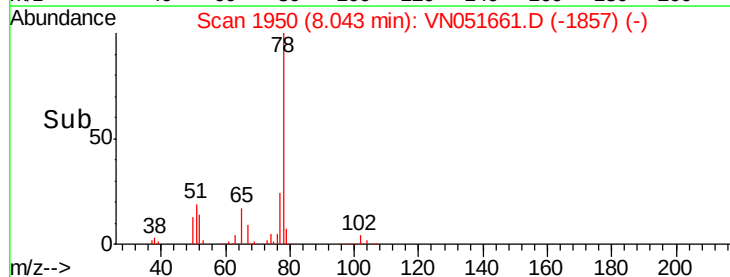
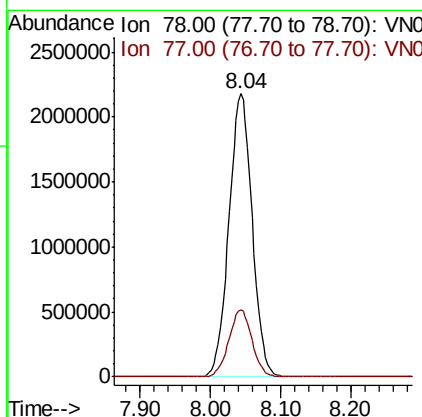
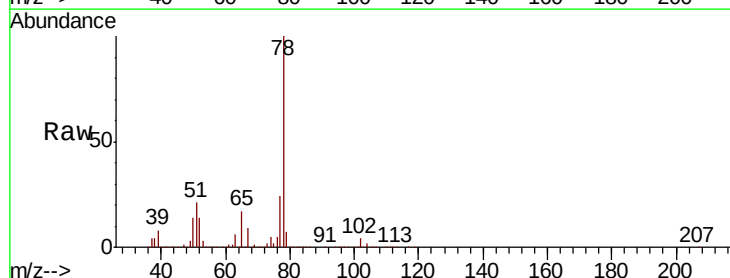
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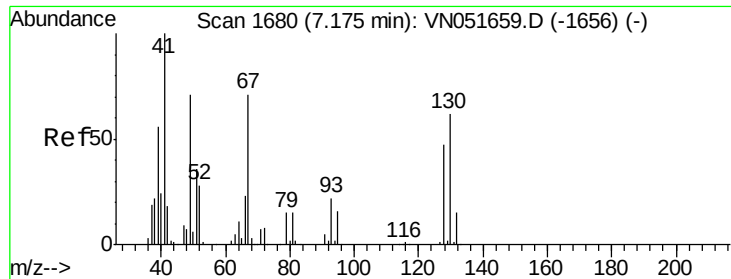
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#40
Benzene
Concen: 149.322 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.5	27.7





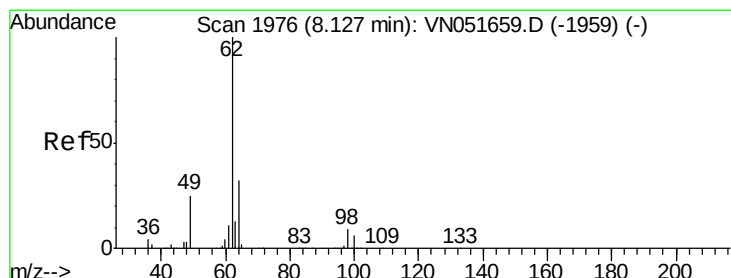
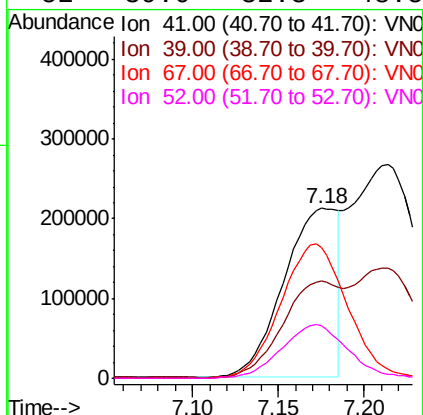
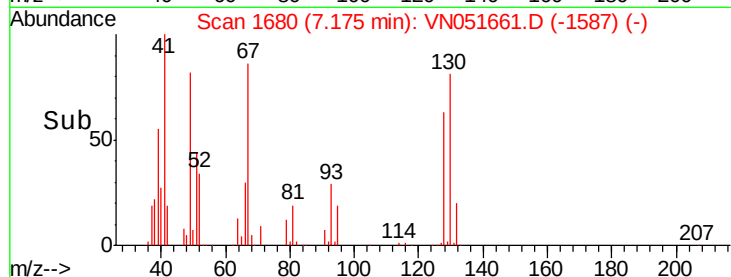
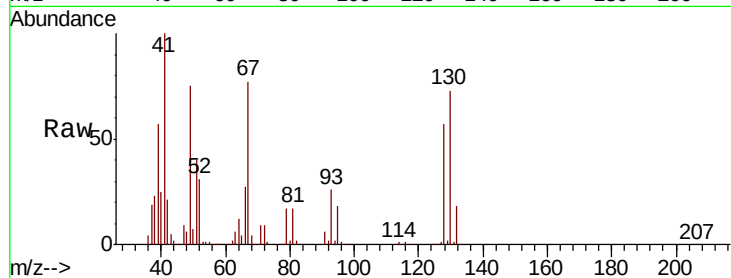
#41
Methacrylonitrile
Concen: 142.181 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	41	Resp	461400
Ion Ratio	Lower	Upper	
41	100		
39	61.9	53.9	80.9
67	98.3	78.1	117.1
52	39.0	32.3	48.5

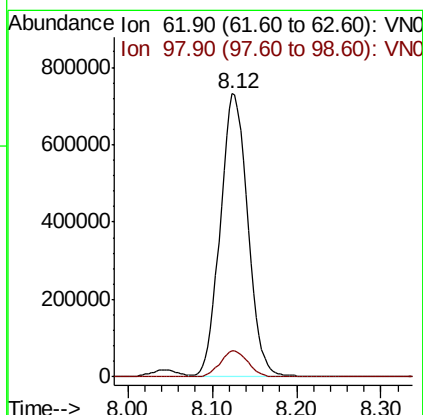
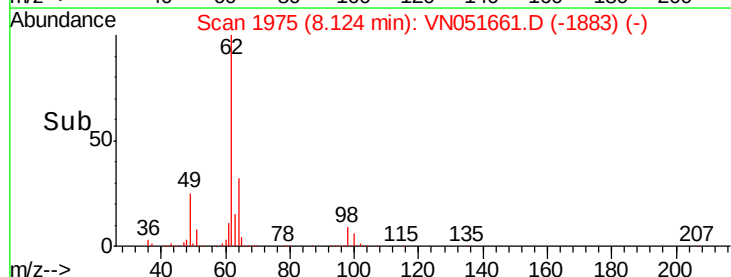
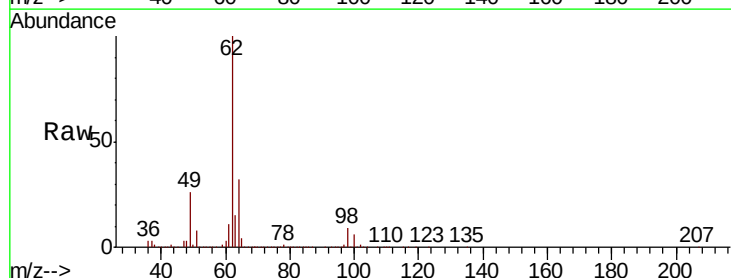
Manual Integrations
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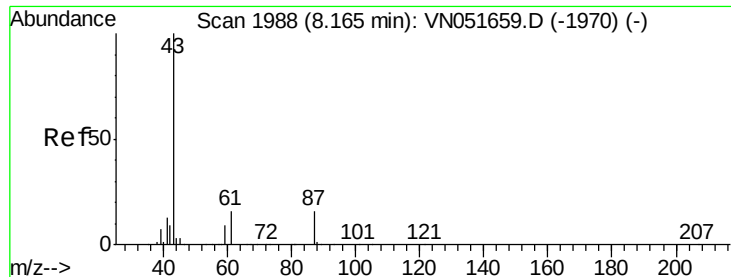
MMDadoda
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#42
1,2-Dichloroethane
Concen: 146.498 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Tgt Ion	62	Resp	1658452
Ion Ratio	Lower	Upper	
62	100		
98	9.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 142.079 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1750652

Ion Ratio Lower Upper

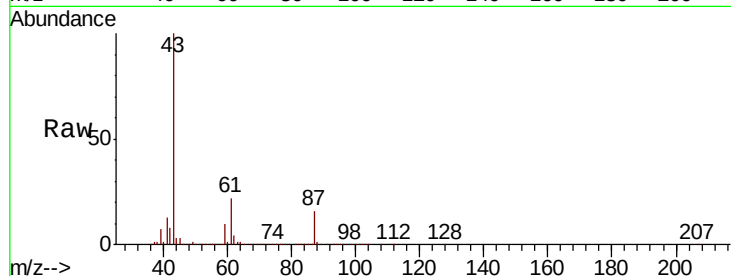
43 100

61 22.0 15.8 23.6

87 16.8 12.6 19.0

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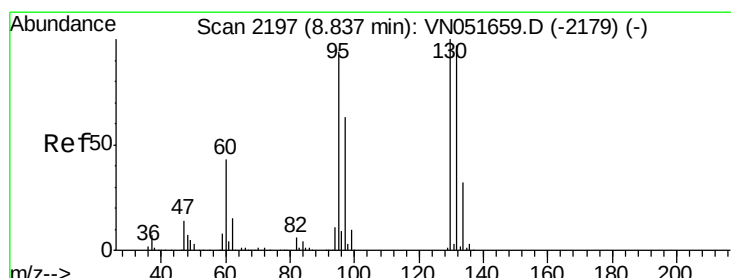
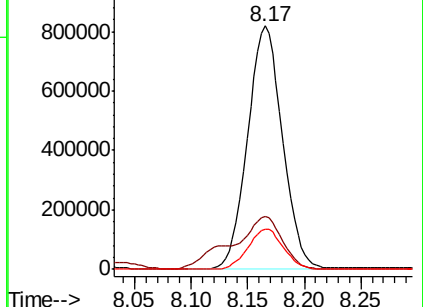
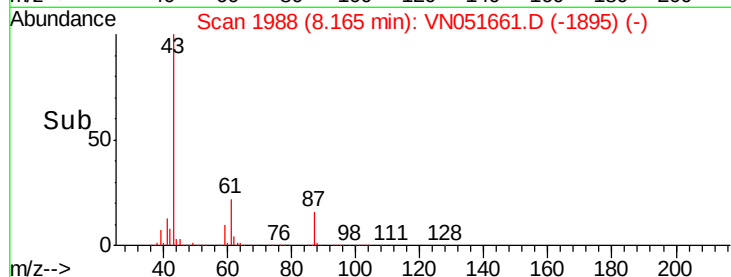
MMDadoda
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Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN051659.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN051659.D (-1970) (-)



#44

Trichloroethene

Concen: 151.483 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051661.D

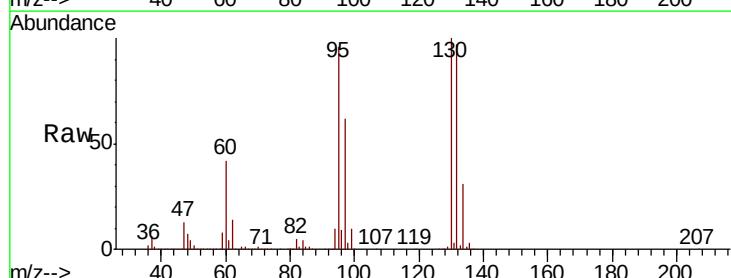
Acq: 4 Oct 2018 12:30

Tgt Ion:130 Resp: 1444844

Ion Ratio Lower Upper

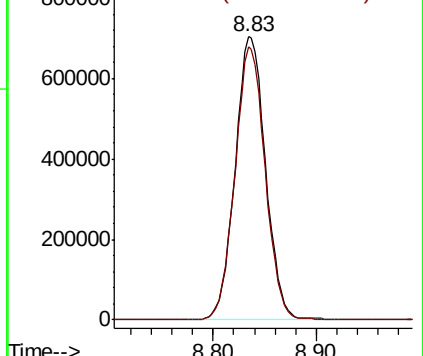
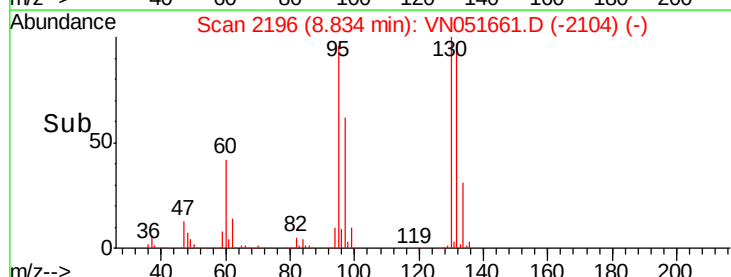
130 100

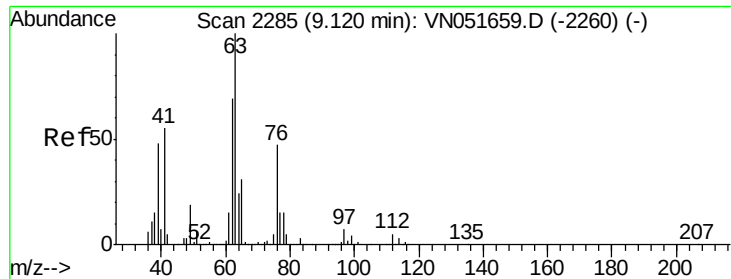
95 96.3 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN051659.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051659.D (-2179) (-)





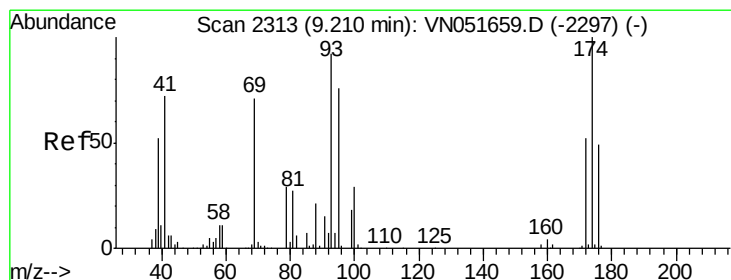
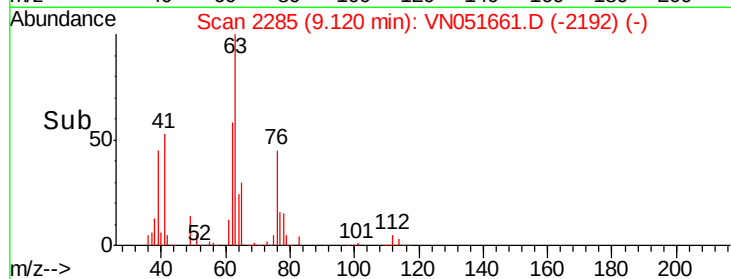
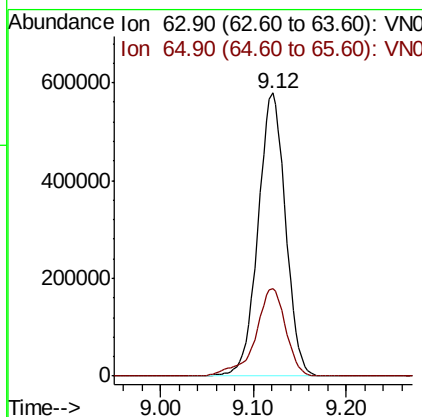
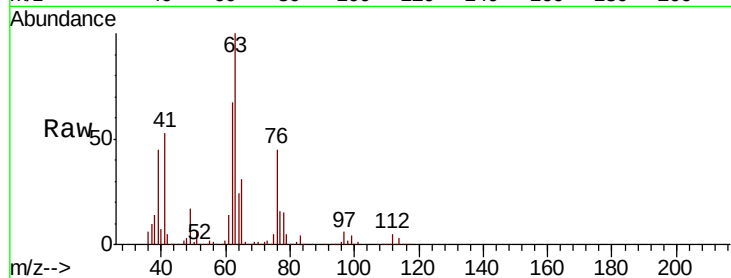
#45
 1,2-Dichloropropane
 Concen: 143.498 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 1191780
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.4

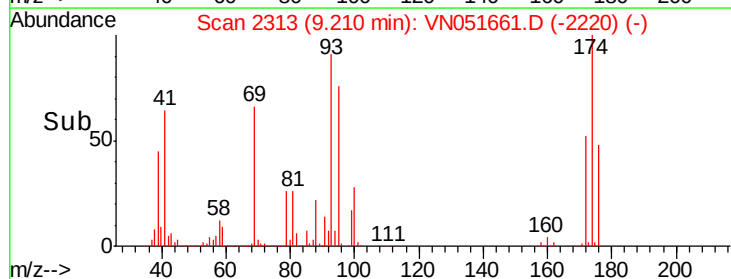
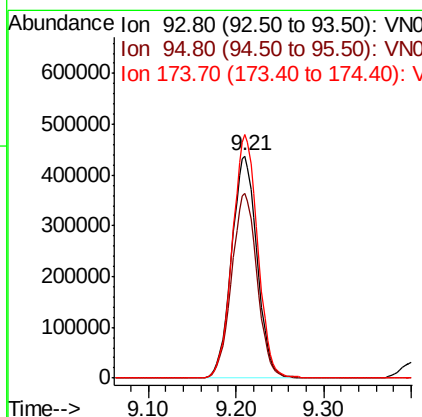
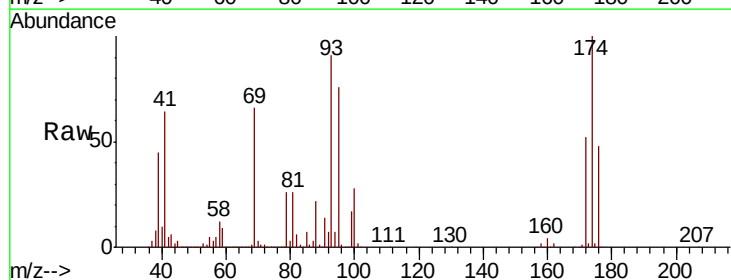
Manual Integrations
 APPROVED

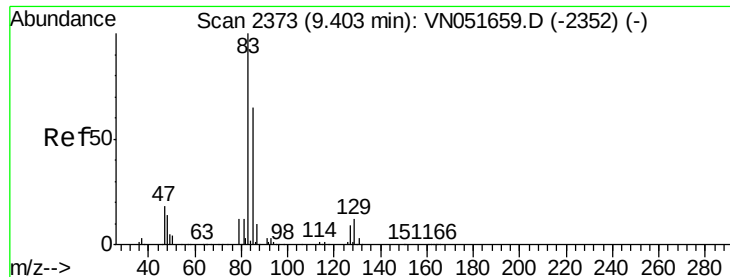
MMDadoda
 10/8/2018 1:53:09 PM



#46
 Dibromomethane
 Concen: 153.173 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Tgt Ion: 93 Resp: 884232
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.6 100.0
 174 108.6 85.9 128.9





#47

Bromodichloromethane

Concen: 150.756 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1915799

Ion Ratio Lower Upper

83 100

85 65.1 51.6 77.4

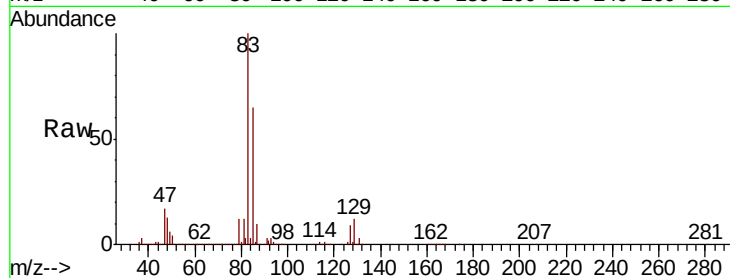
127 9.3 7.3 10.9

Manual Integrations

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MMDadoda

10/8/2018 1:53:09 PM

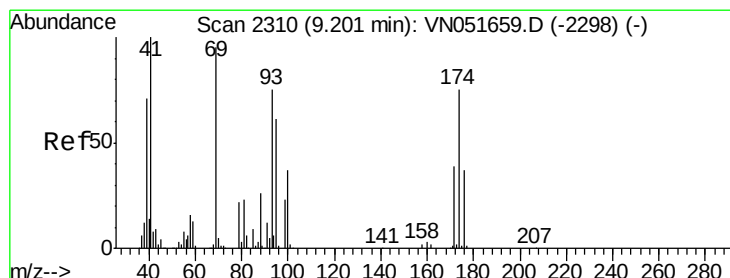
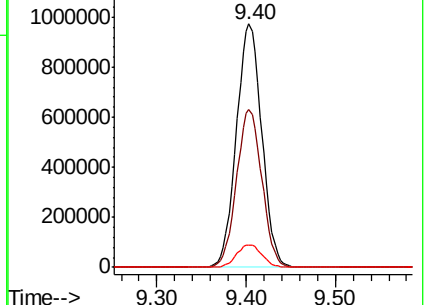
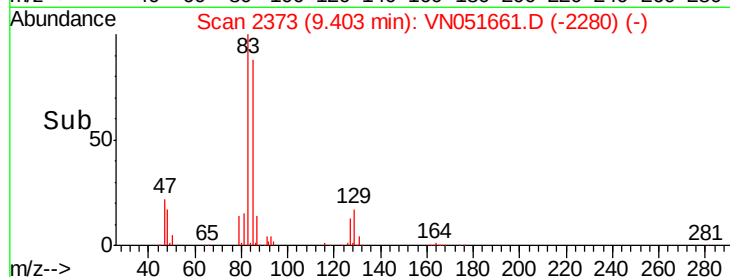


Abundance Ion 82.90 (82.60 to 83.60): VN051659.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN051659.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN051659.D (-2352) (-)

Time-->



#48

Methyl methacrylate

Concen: 144.686 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

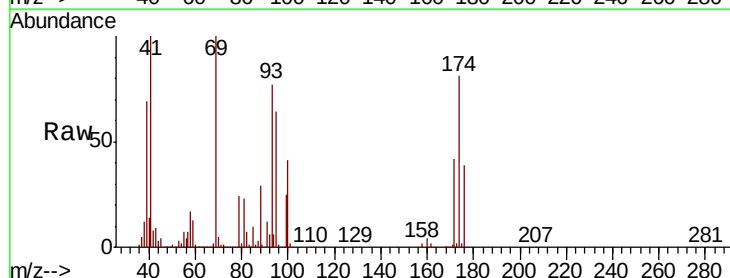
Tgt Ion: 41 Resp: 814624

Ion Ratio Lower Upper

41 100

69 102.6 78.6 118.0

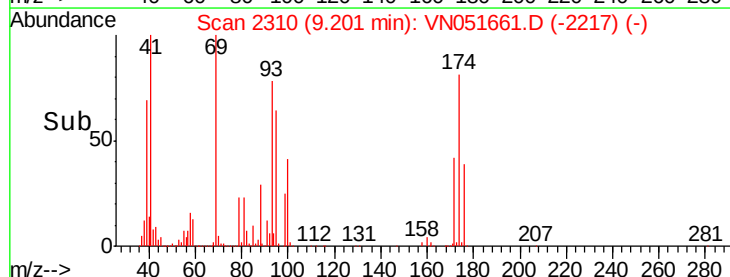
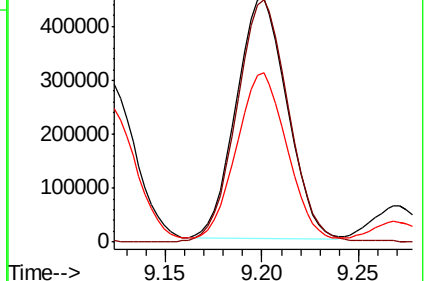
39 70.7 59.2 88.8

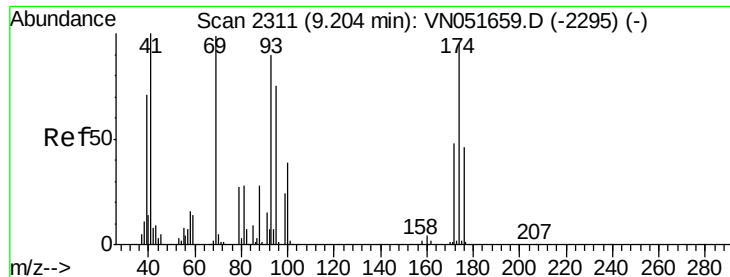


Abundance Ion 41.00 (40.70 to 41.70): VN051659.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051659.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051659.D (-2298) (-)





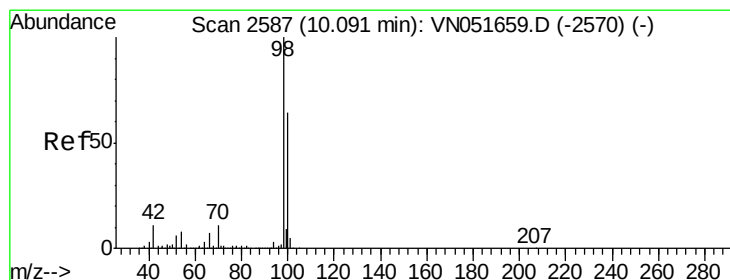
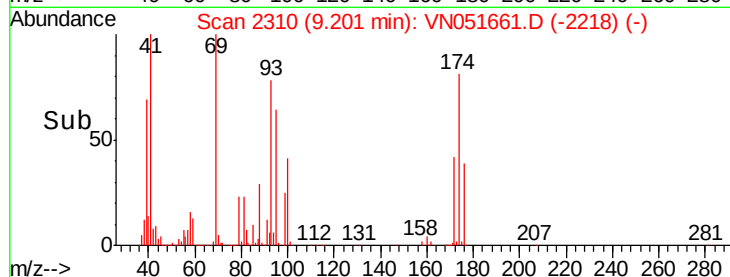
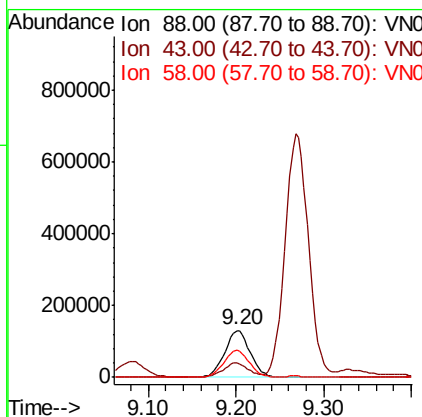
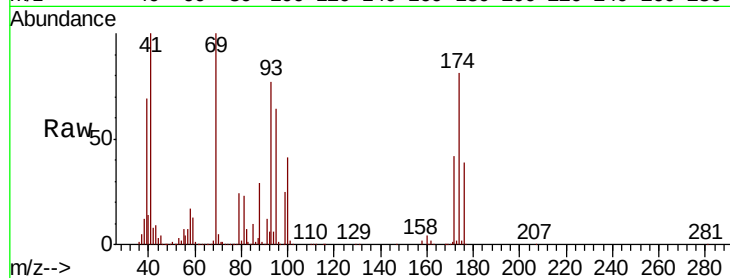
#49
1,4-Dioxane
Concen: 3118.753 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.4	24.5	36.7
58	57.9	47.6	71.4

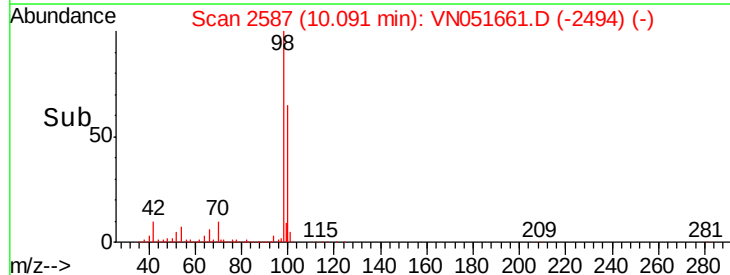
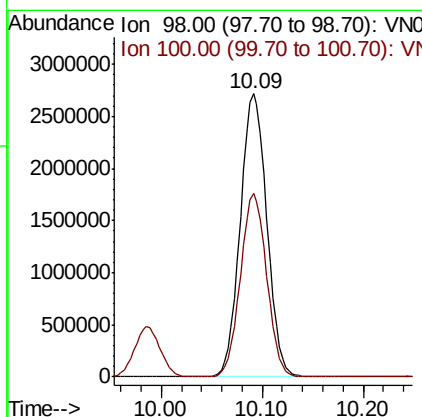
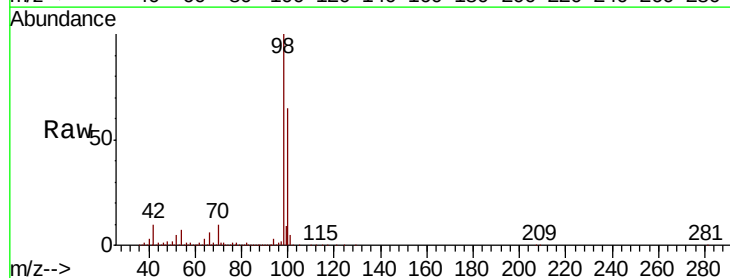
Manual Integrations
APPROVED

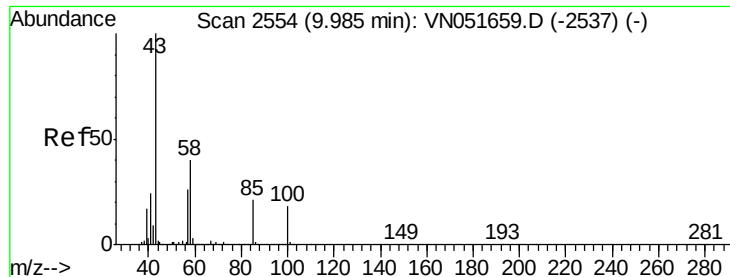
MMDadoda
10/8/2018 1:53:09 PM



#50
Toluene-d8
Concen: 3118.753 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 713.435 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4454483

Ion Ratio Lower Upper

43 100

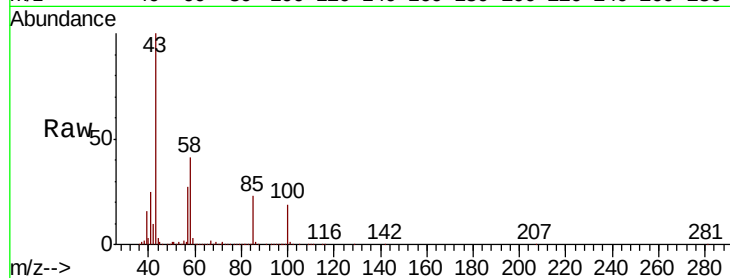
58 41.6 32.2 48.2

Manual Integrations

APPROVED

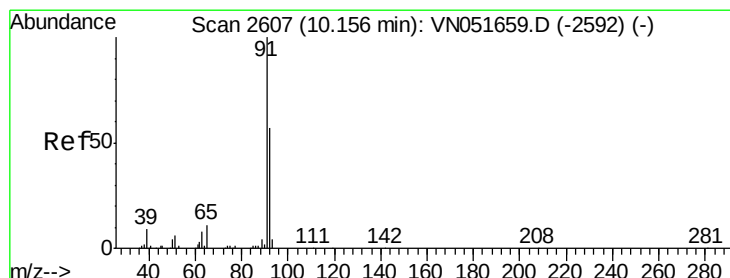
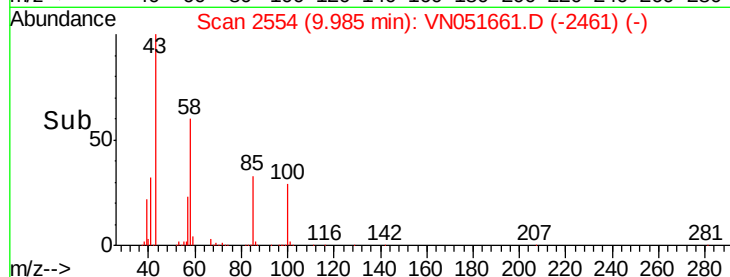
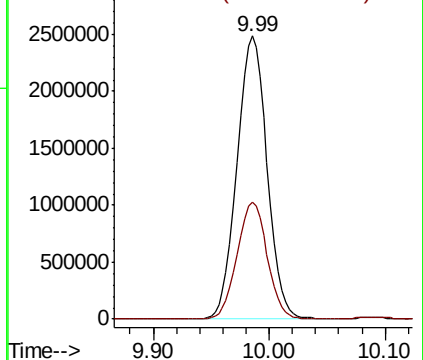
MMDadoda

10/8/2018 1:53:09 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 155.437 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051661.D

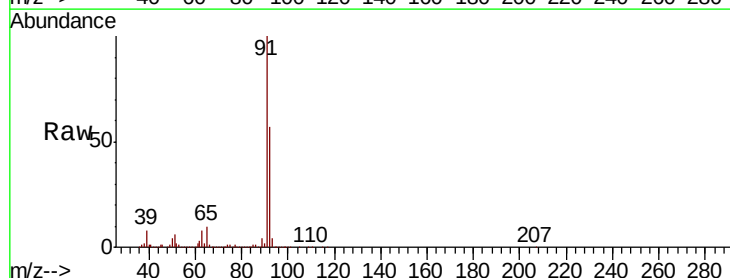
Acq: 4 Oct 2018 12:30

Tgt Ion: 92 Resp: 3472777

Ion Ratio Lower Upper

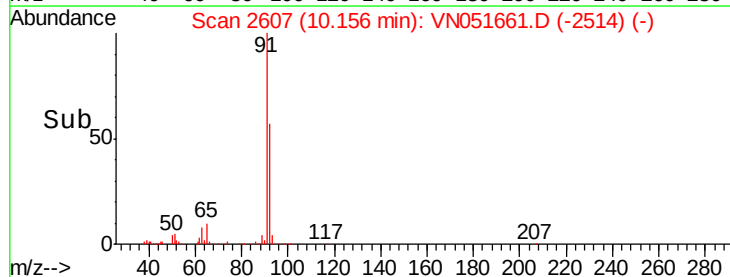
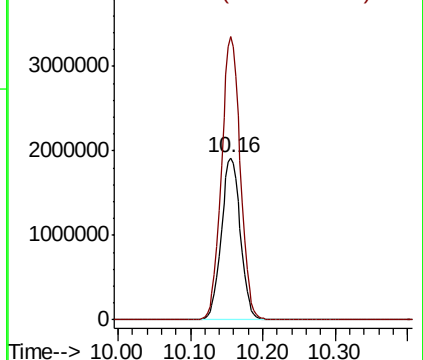
92 100

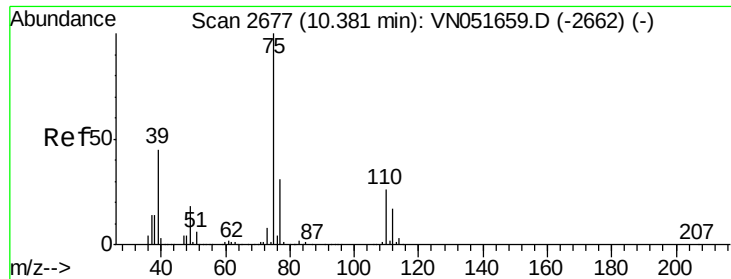
91 173.6 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





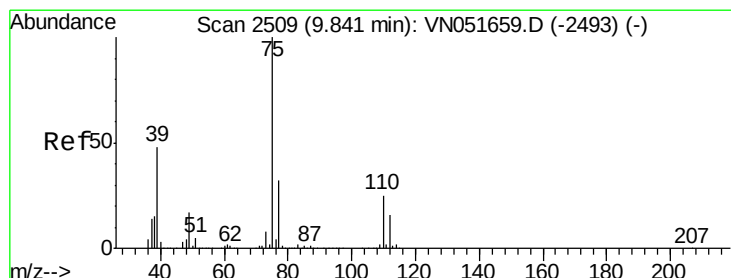
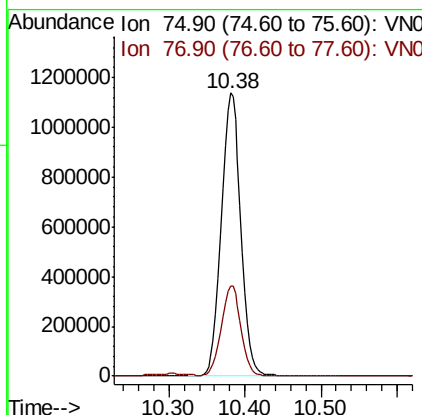
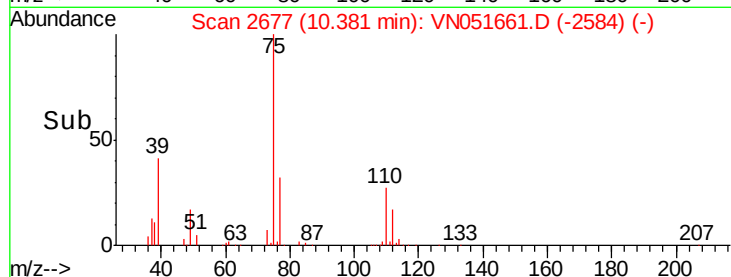
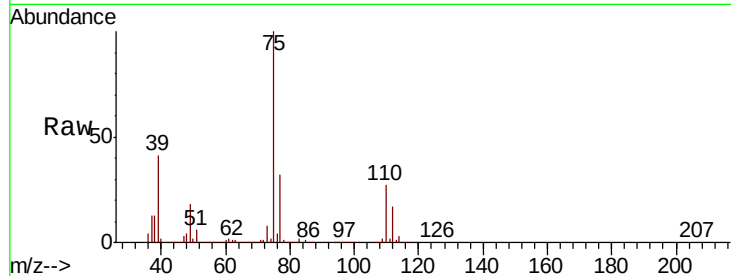
#53
 t-1,3-Dichloropropene
 Concen: 154.464 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 75 Resp: 2025469
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3

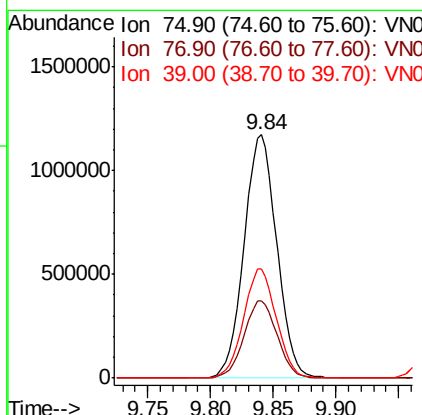
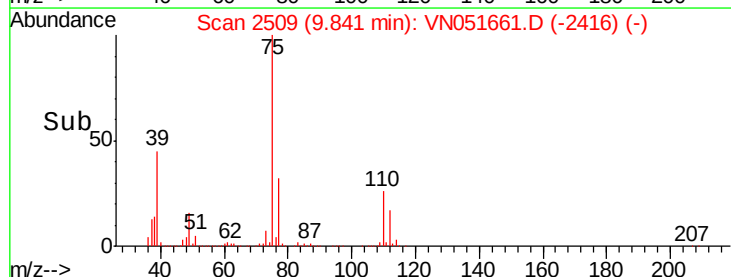
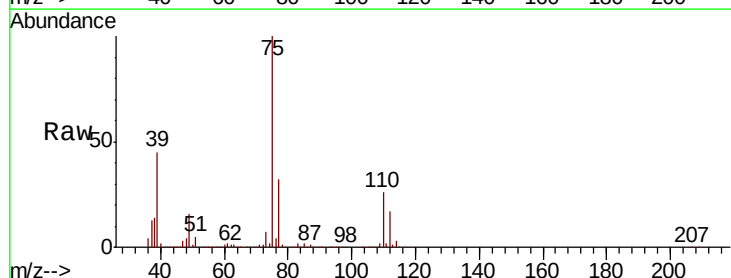
Manual Integrations
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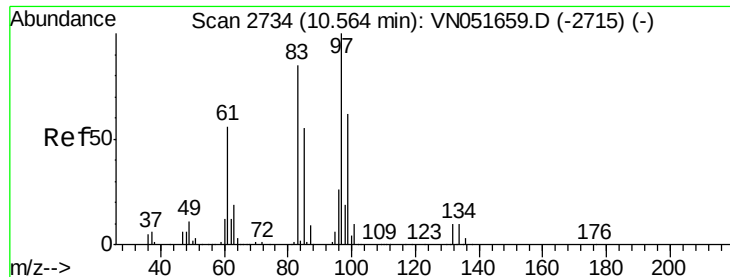
MMDadoda
 10/8/2018 1:53:09 PM



#54
 cis-1,3-Dichloropropene
 Concen: 152.185 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Tgt Ion: 75 Resp: 2119117
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.7 38.5
 39 44.9 38.1 57.1





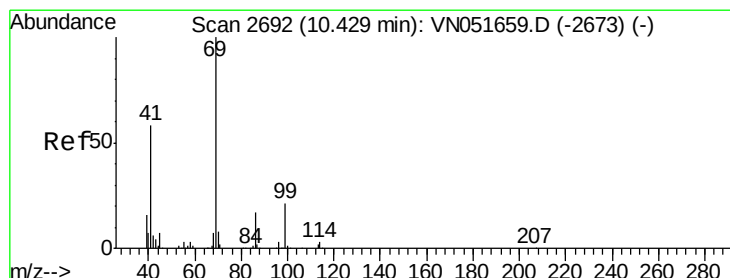
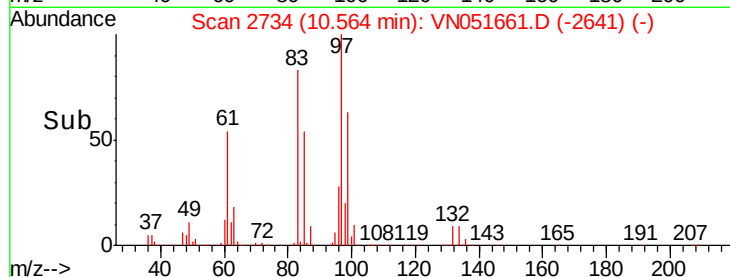
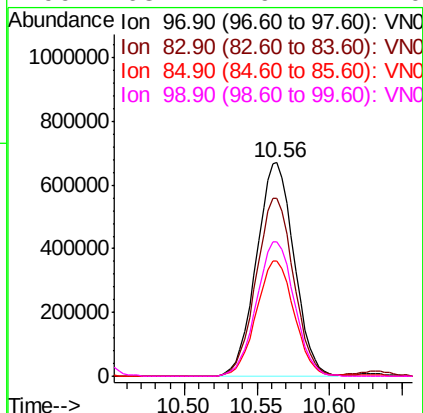
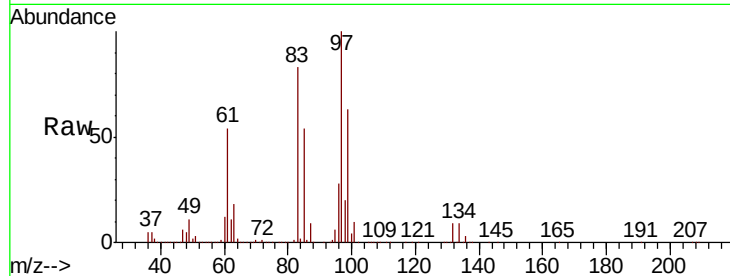
#55
 1,1,2-Trichloroethane
 Concen: 151.666 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 97 Resp: 1207100
 Ion Ratio Lower Upper
 97 100
 83 83.0 68.1 102.1
 85 54.2 43.6 65.4
 99 63.2 49.4 74.0

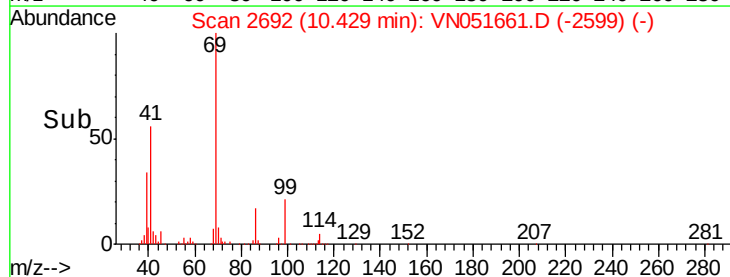
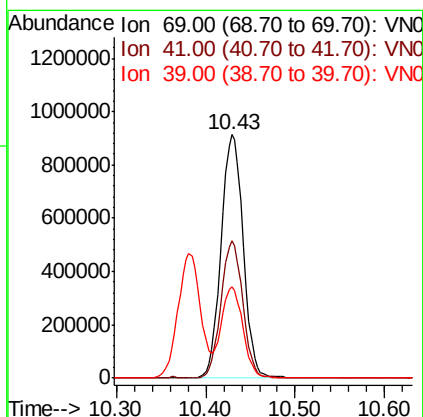
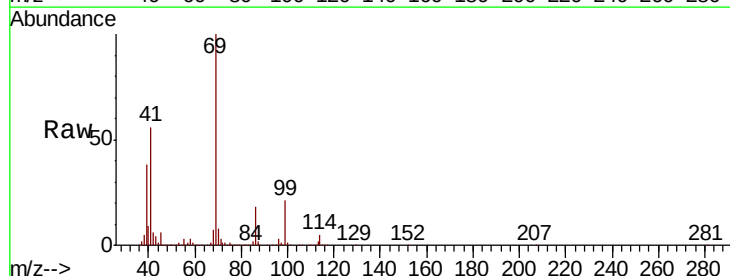
Manual Integrations
 APPROVED

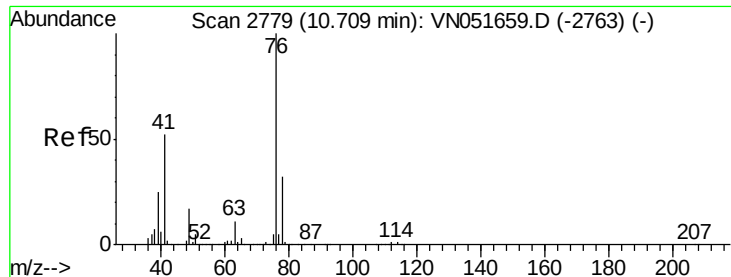
MMDadoda
 10/8/2018 1:53:09 PM



#56
 Ethyl methacrylate
 Concen: 155.066 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Tgt Ion: 69 Resp: 1560732
 Ion Ratio Lower Upper
 69 100
 41 55.2 46.4 69.6
 39 36.9 32.4 48.6





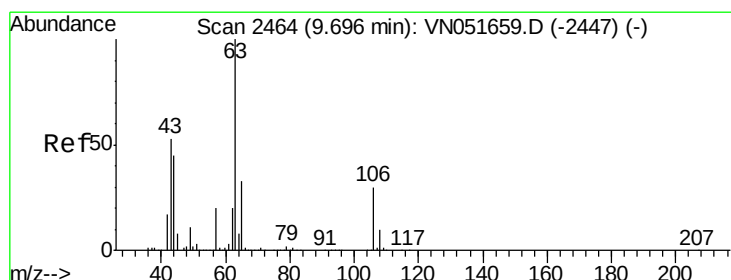
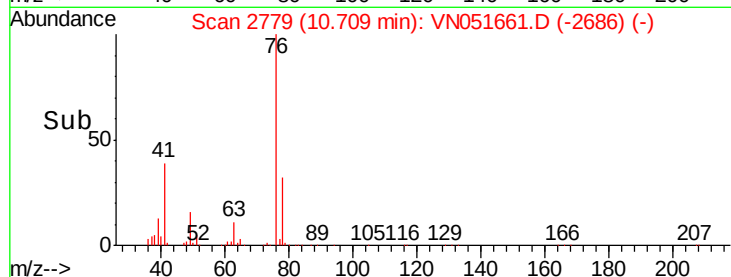
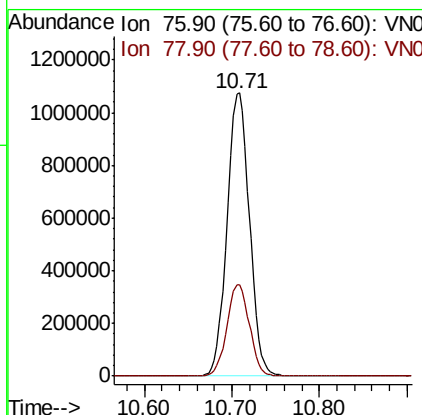
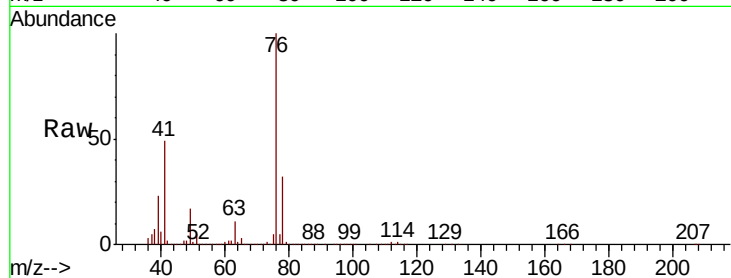
#57
 1,3-Dichloropropane
 Concen: 151.738 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1911394
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.0 39.0

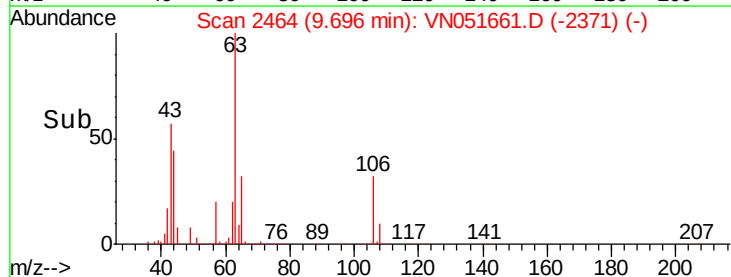
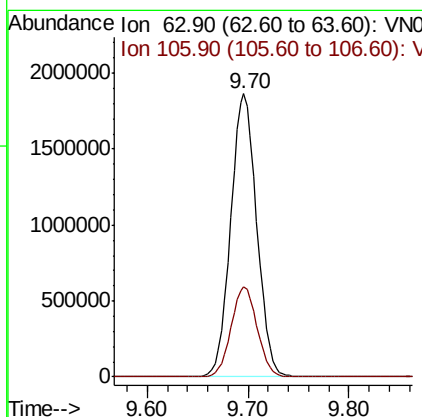
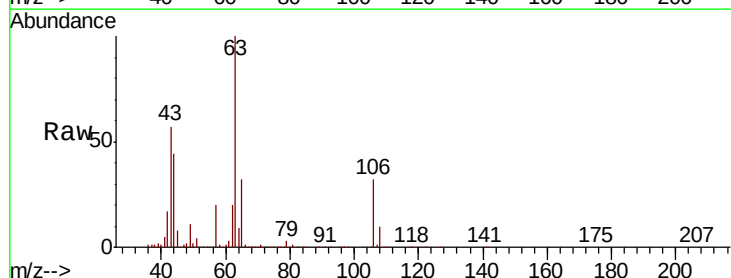
Manual Integrations
 APPROVED

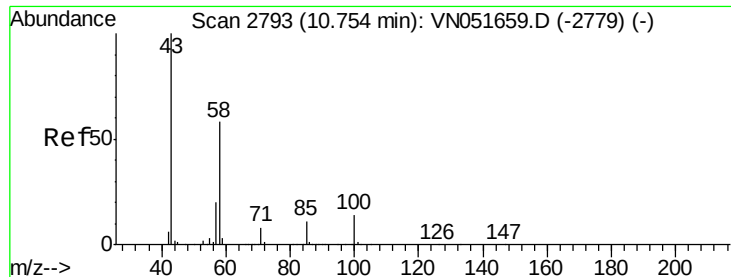
MMDadoda
 10/8/2018 1:53:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 802.997 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Tgt Ion: 63 Resp: 3344918
 Ion Ratio Lower Upper
 63 100
 106 31.8 24.3 36.5





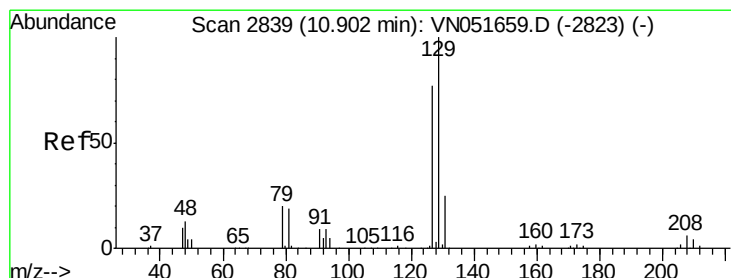
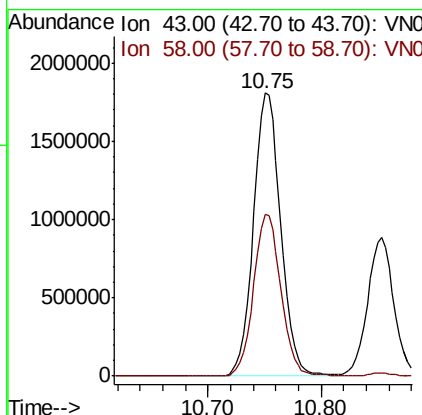
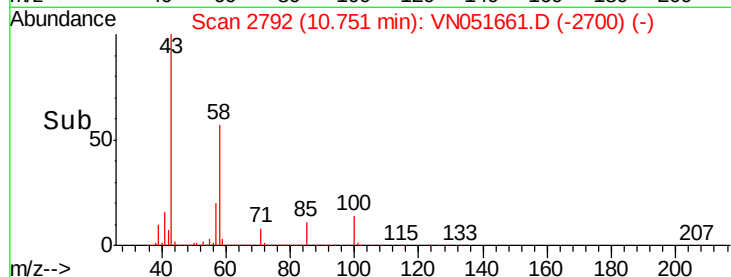
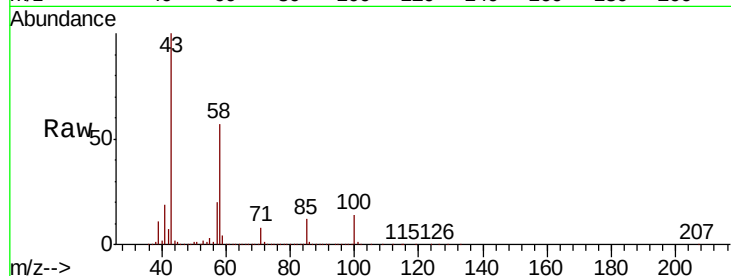
#59
2-Hexanone
Concen: 711.559 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3017227
Ion Ratio Lower Upper
43 100
58 57.6 28.8 86.4

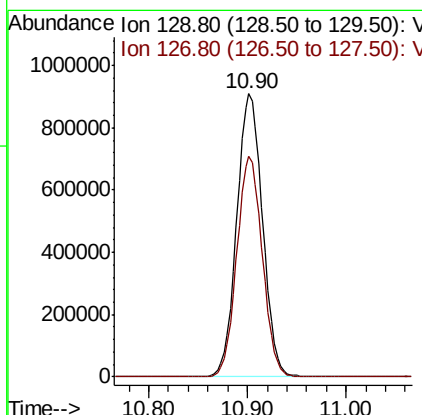
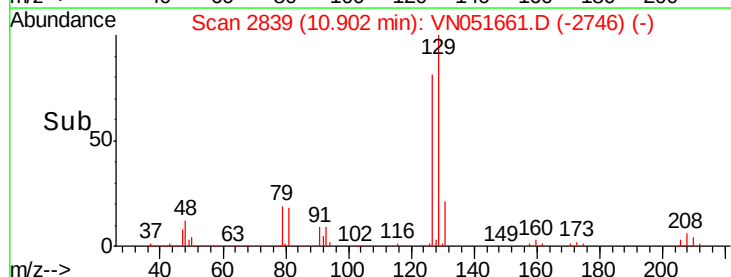
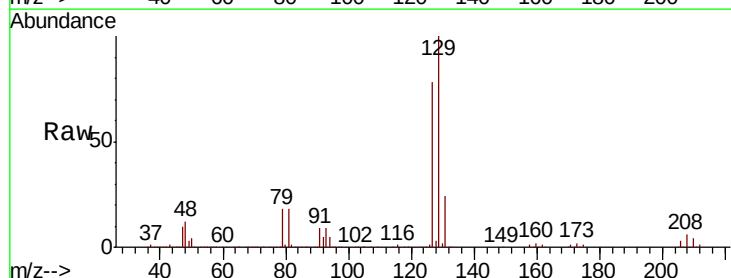
Manual Integrations
APPROVED

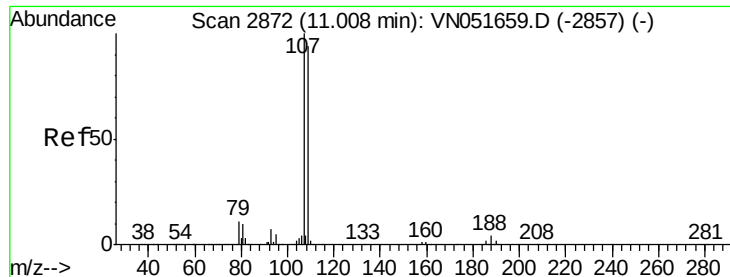
MMDadoda
10/8/2018 1:53:09 PM



#60
Dibromochloromethane
Concen: 158.186 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Tgt Ion: 129 Resp: 1647586
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.7





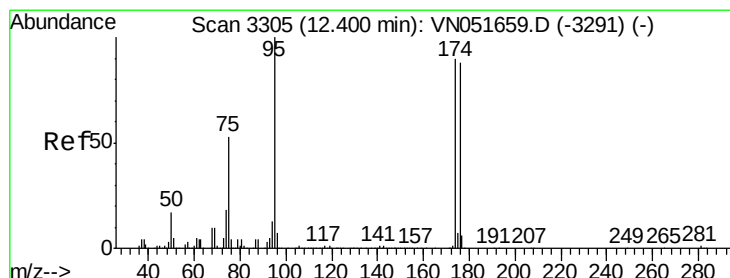
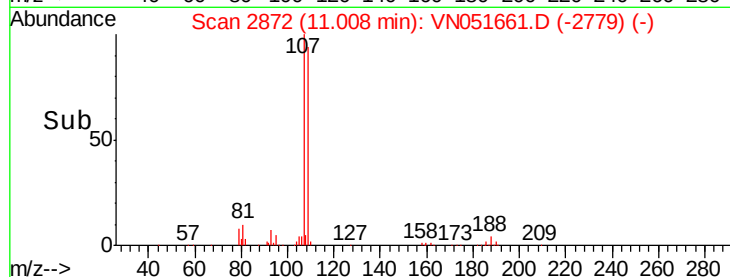
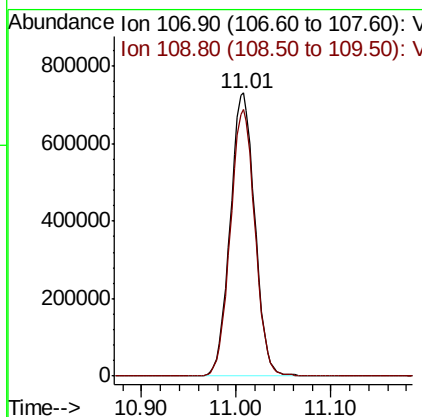
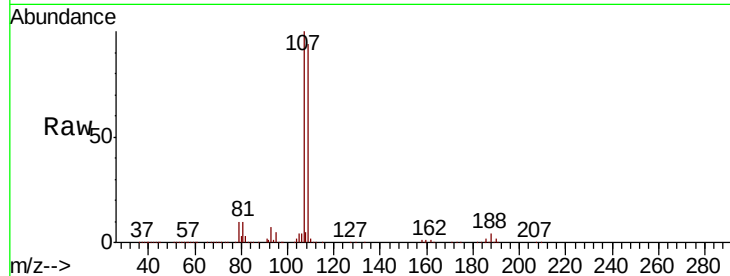
#61
 1,2-Dibromoethane
 Concen: 156.939 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:107 Resp: 1320446
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.4 113.0

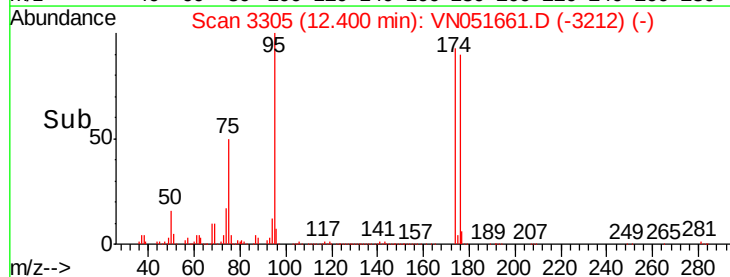
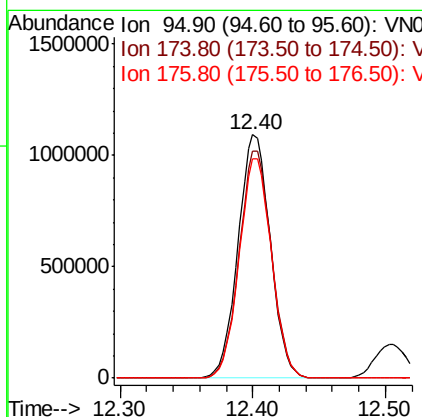
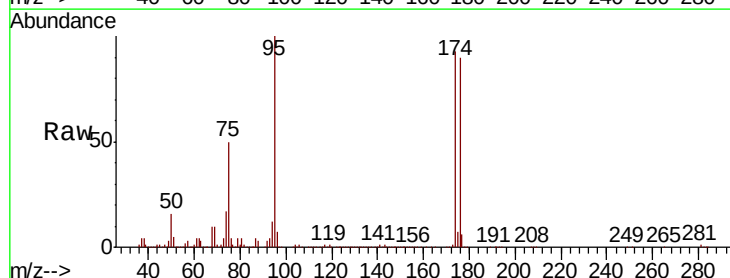
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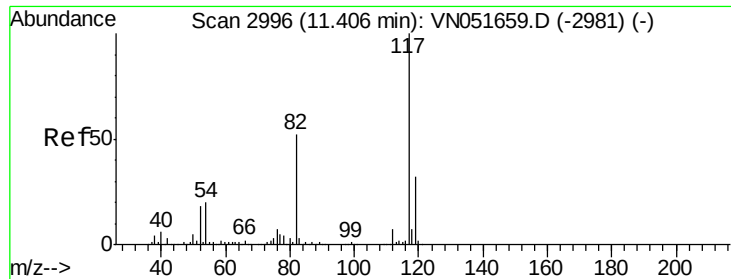
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 156.939 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Tgt Ion: 95 Resp: 1840194
 Ion Ratio Lower Upper
 95 100
 174 93.3 0.0 182.8
 176 90.6 0.0 176.4





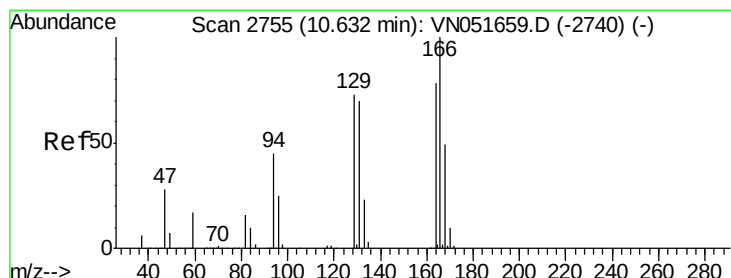
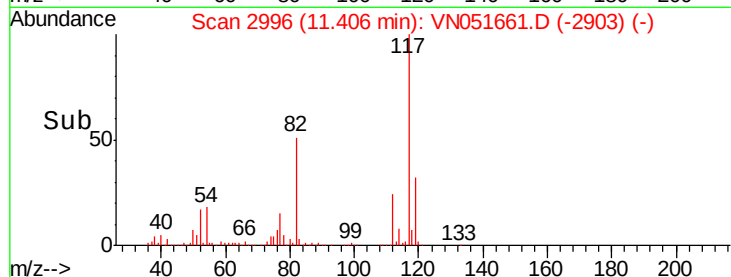
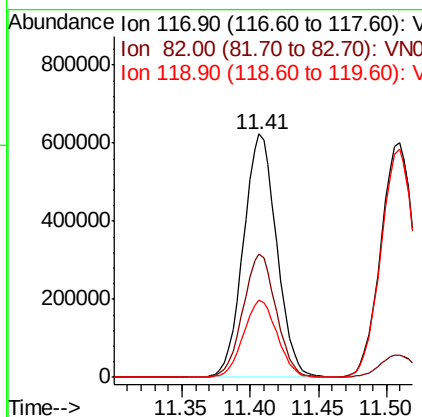
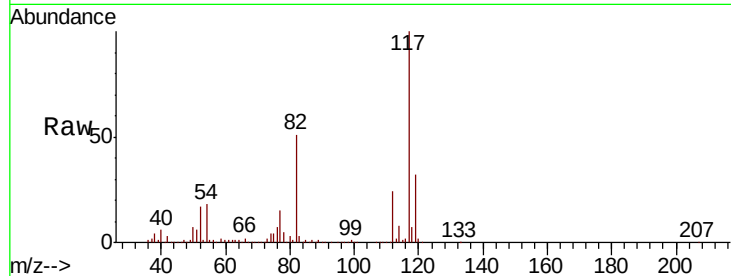
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	41.3	61.9
119	31.5	25.9	38.9

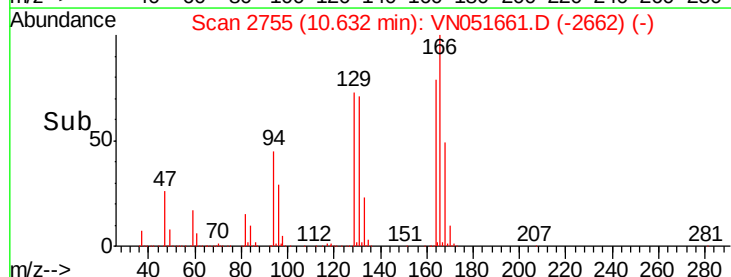
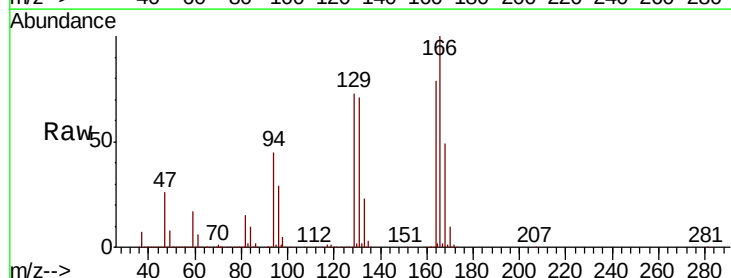
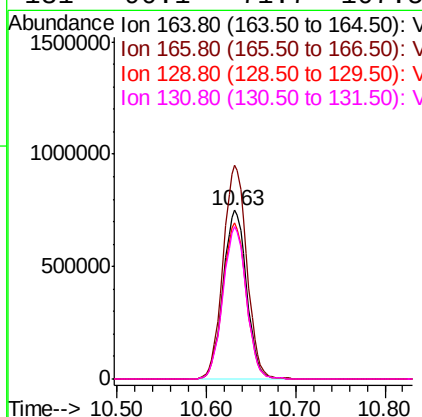
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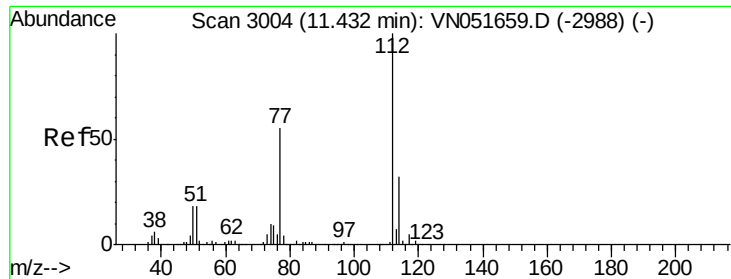
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#64
Tetrachloroethene
Concen: 146.821 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	103.0	154.6
129	92.6	75.2	112.8
131	90.1	71.7	107.5





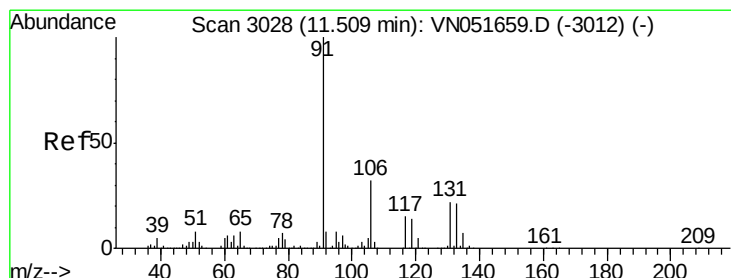
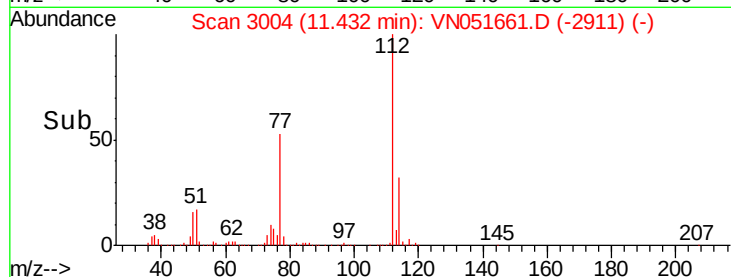
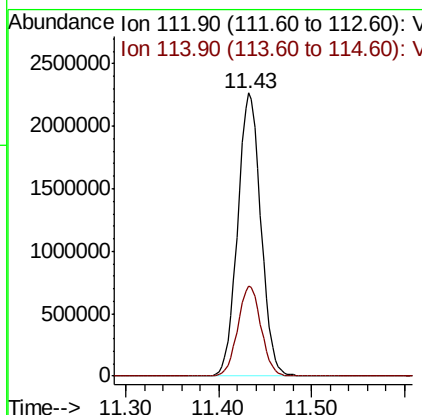
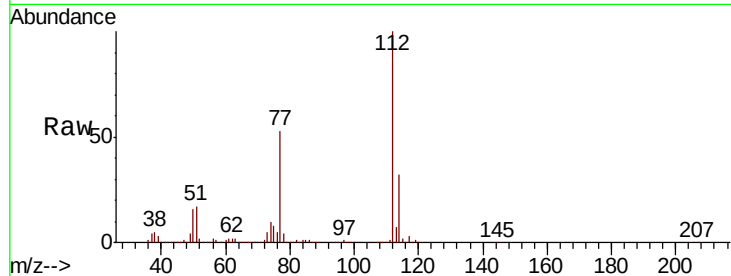
#65
Chlorobenzene
Concen: 150.080 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:112 Resp: 3923976
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9

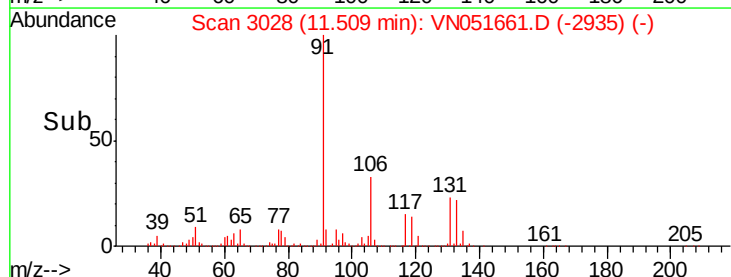
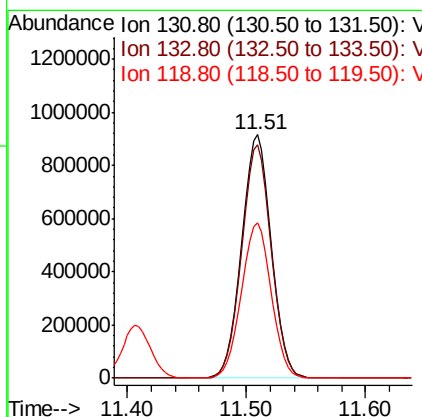
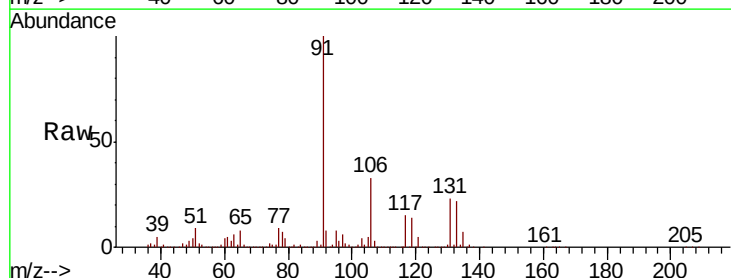
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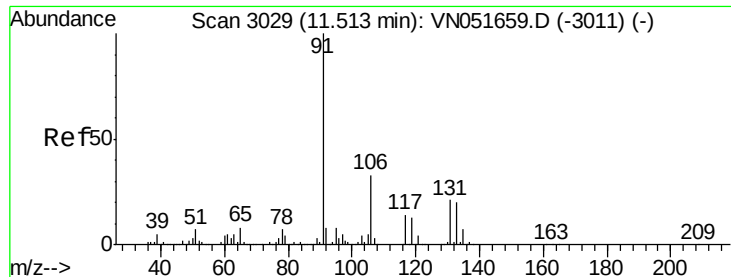
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#66
1,1,1,2-Tetrachloroethane
Concen: 150.322 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Tgt Ion:131 Resp: 1573703
Ion Ratio Lower Upper
131 100
133 96.1 47.6 142.8
119 64.4 32.0 96.0





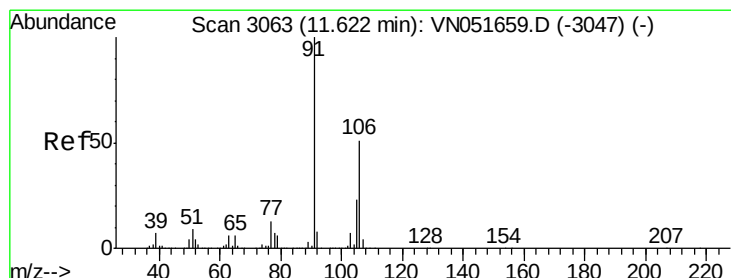
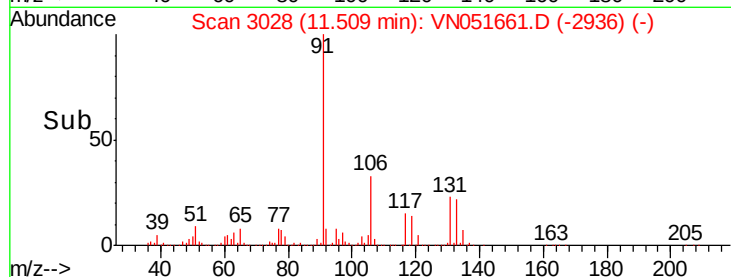
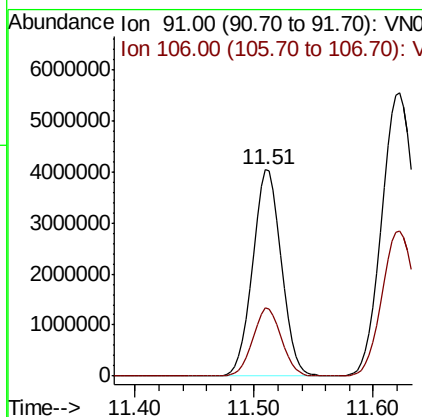
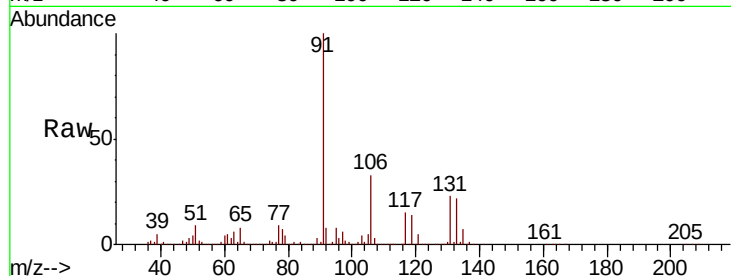
#67
Ethyl Benzene
Concen: 149.260 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 6745320
Ion Ratio Lower Upper
91 100
106 32.9 26.0 39.0

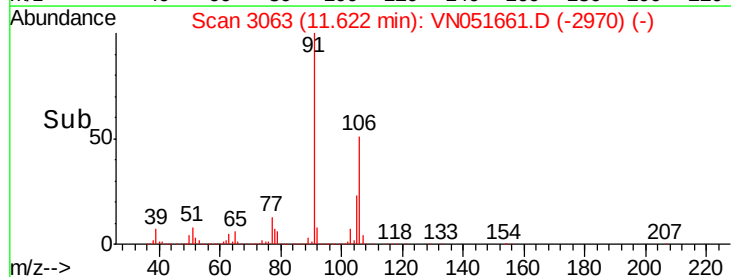
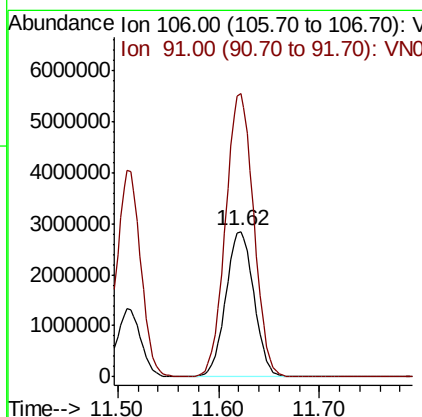
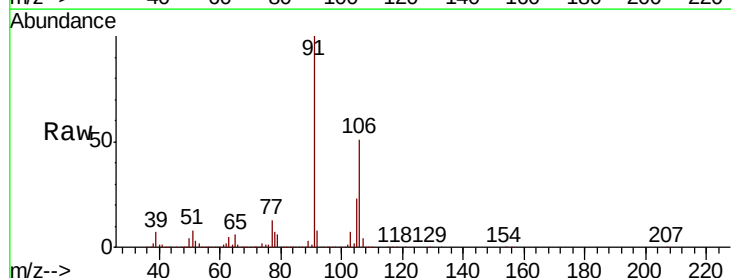
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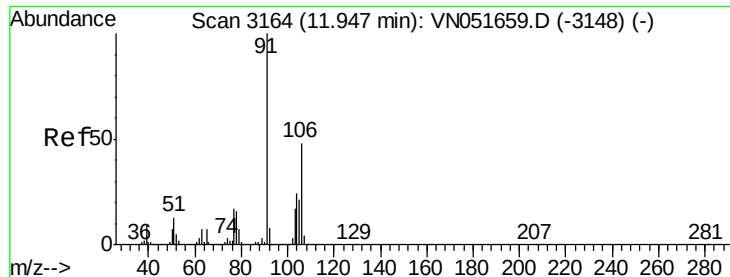
MMDadoda
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#68
m/p-Xylenes
Concen: 305.612 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Tgt Ion: 106 Resp: 5526062
Ion Ratio Lower Upper
106 100
91 195.3 158.4 237.6





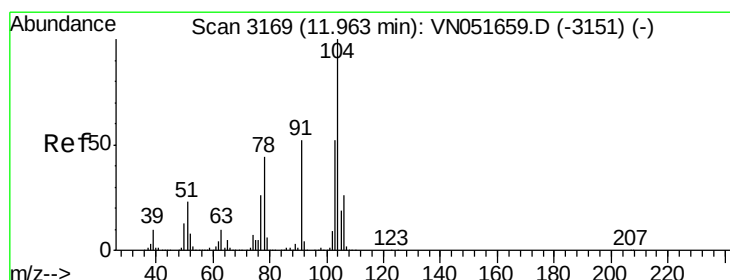
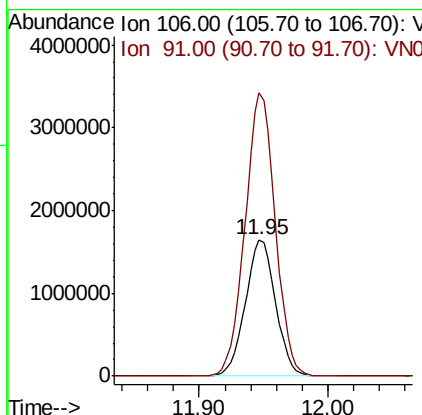
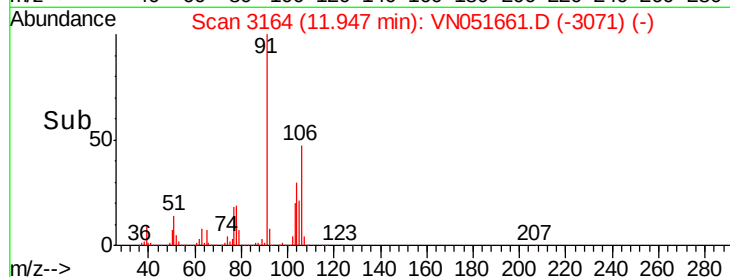
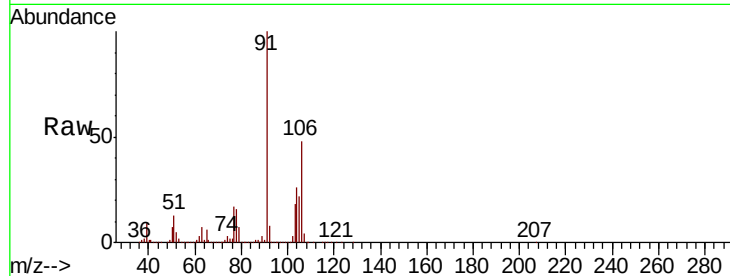
#69
o-Xylene
Concen: 151.068 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 2678887
Ion Ratio Lower Upper
106 100
91 207.7 104.4 313.2

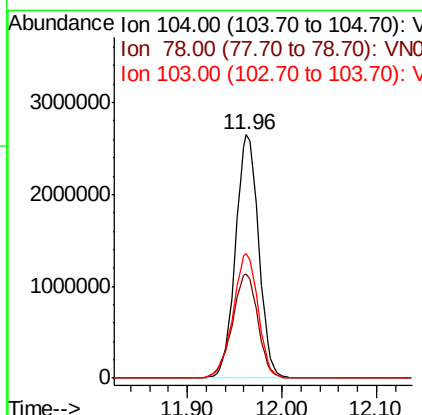
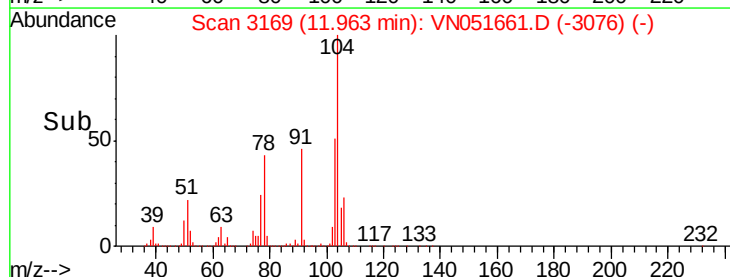
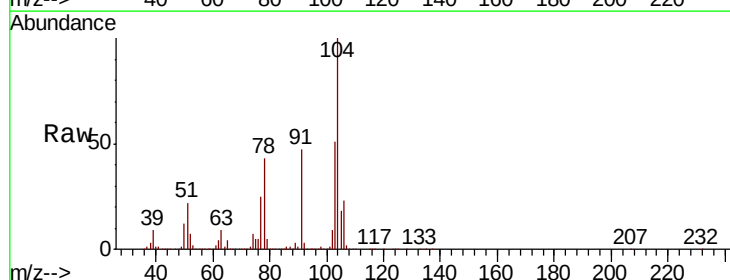
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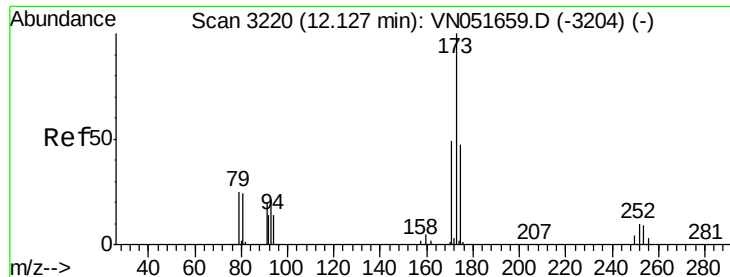
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#70
Styrene
Concen: 159.131 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Tgt Ion:104 Resp: 4496528
Ion Ratio Lower Upper
104 100
78 47.2 39.3 58.9
103 55.2 45.0 67.6





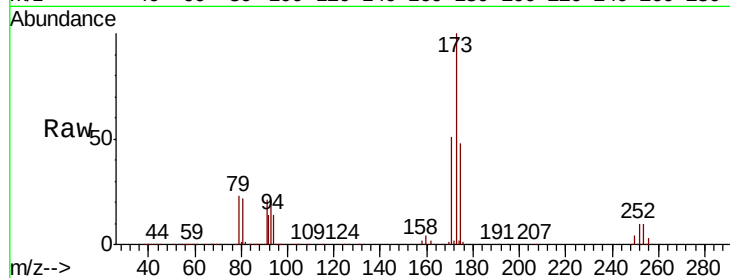
#71
Bromoform
Concen: 161.750 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.0	72.0
254	0.1	0.1	0.1

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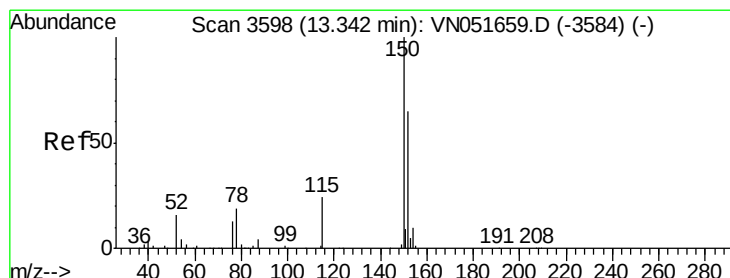
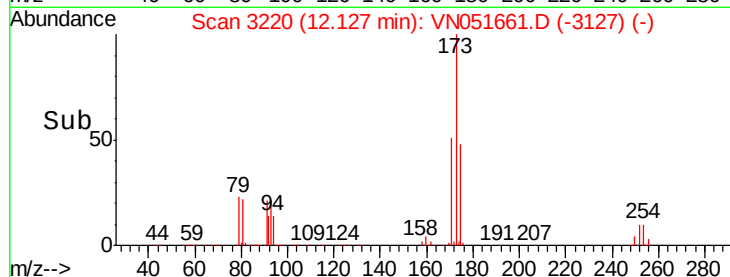
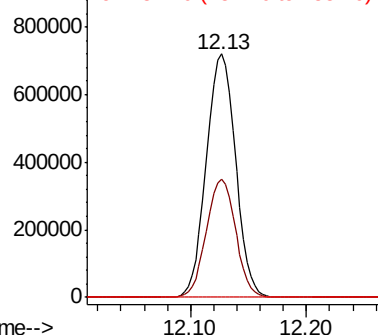


Abundance

Ion 172.70 (172.40 to 173.40): V

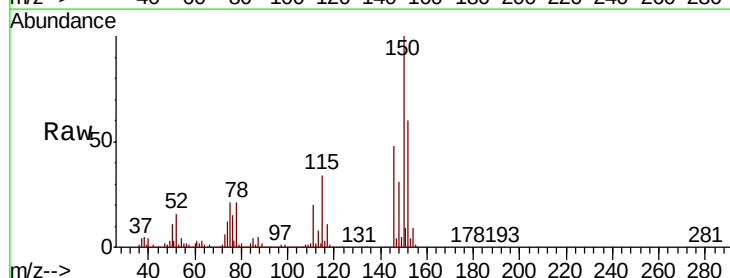
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.6	85.8
150	209.9	0.0	352.4

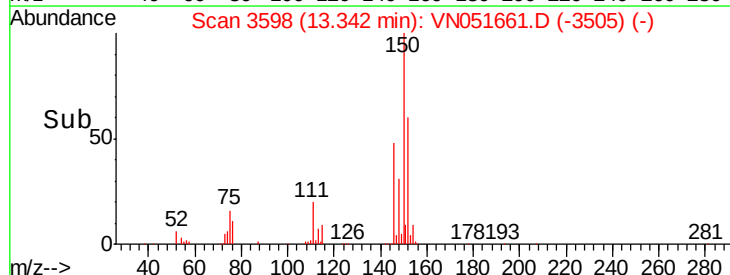
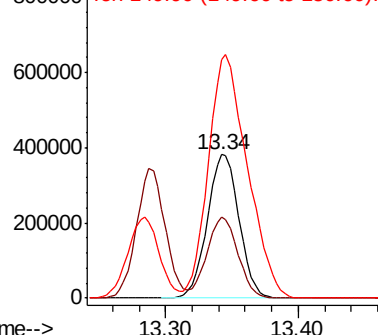


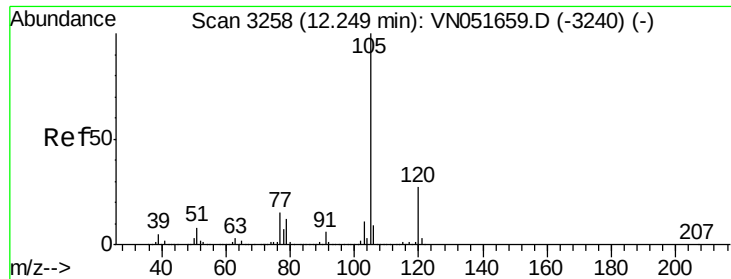
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 135.613 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 7292076

Ion Ratio Lower Upper

105 100

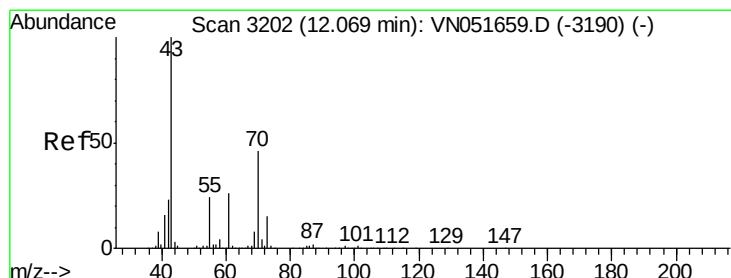
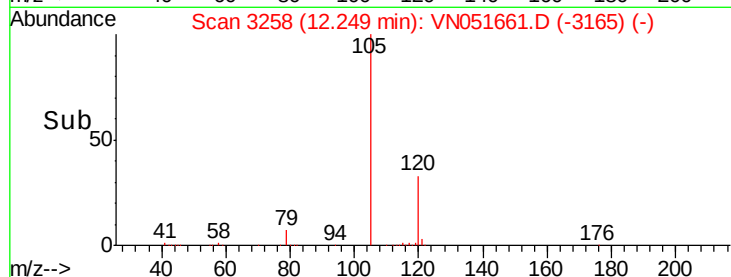
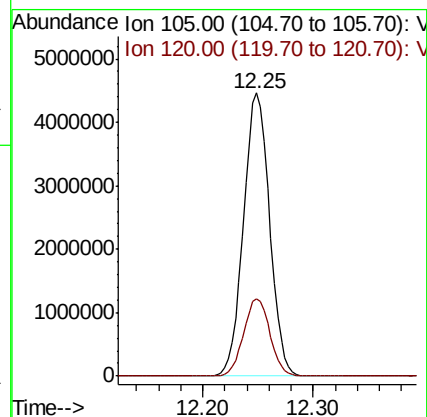
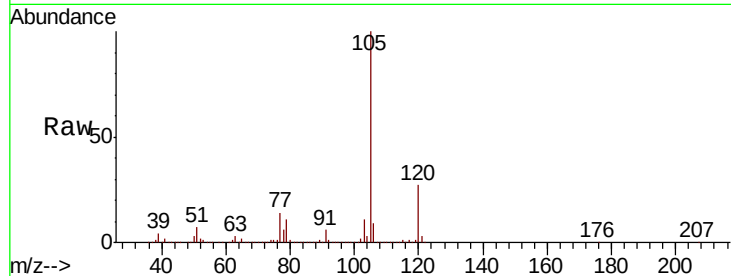
120 27.6 13.9 41.6

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#74

N-ethyl acetate

Concen: 130.842 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Tgt Ion: 43 Resp: 1604445

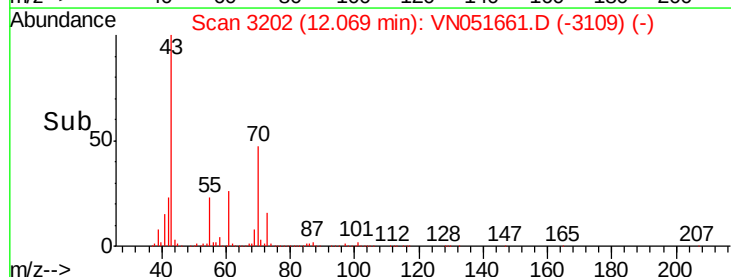
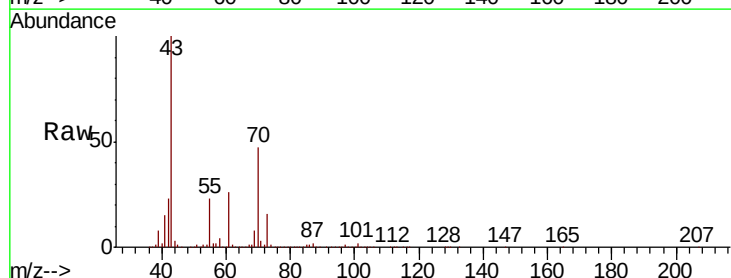
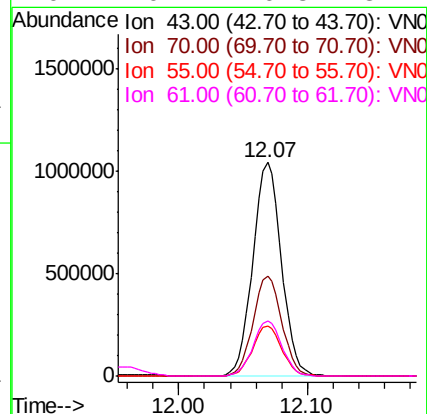
Ion Ratio Lower Upper

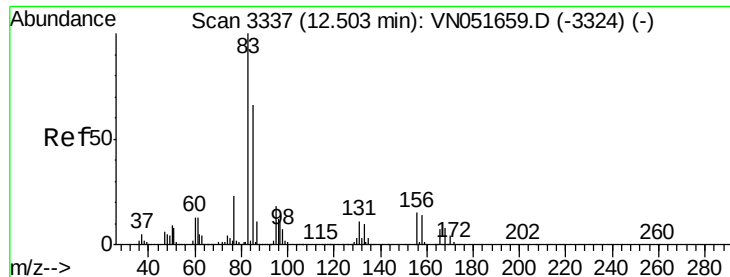
43 100

70 47.1 37.1 55.7

55 23.7 19.1 28.7

61 26.1 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 128.177 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1485666

Ion Ratio Lower Upper

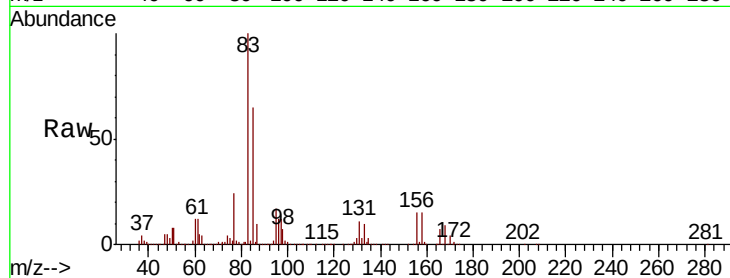
83 100

131 12.0 5.7 17.1

85 65.5 33.0 98.9

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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

1200000

1000000

800000

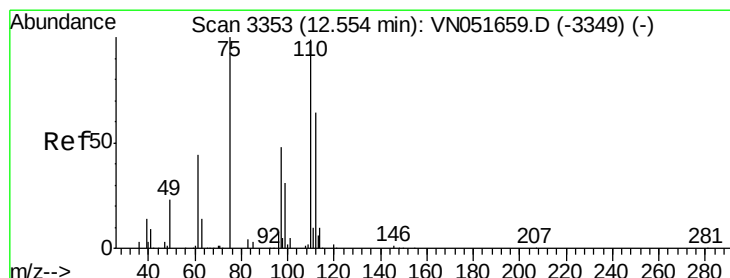
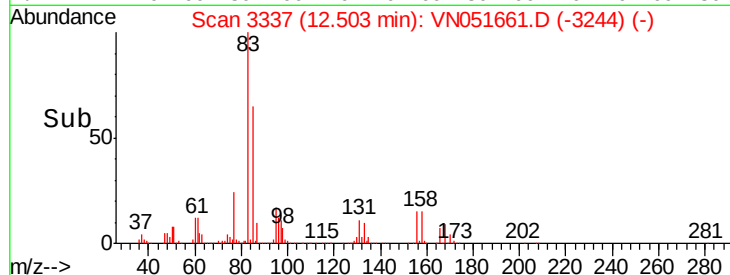
600000

400000

200000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 125.510 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051661.D

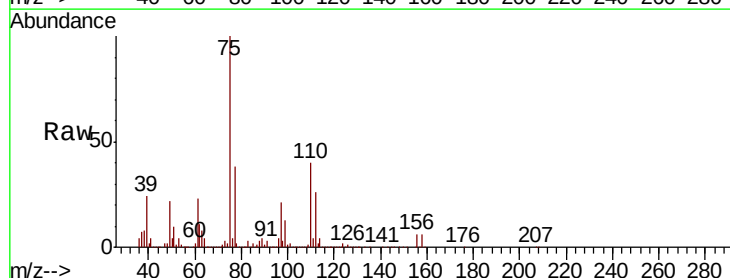
Acq: 4 Oct 2018 12:30

Tgt Ion: 75 Resp: 1110427

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

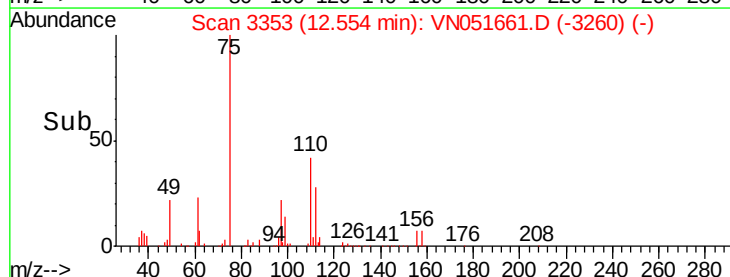
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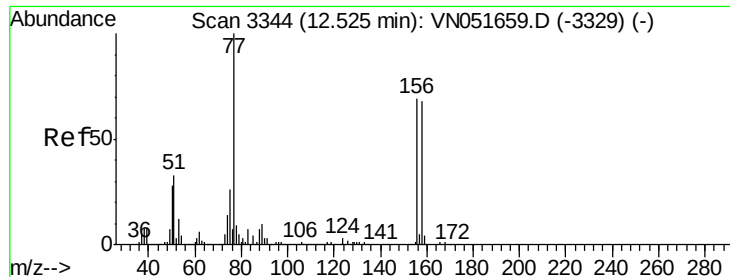
1000000

500000

0

Time-->





#77

Bromobenzene

Concen: 140.673 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1849522

Ion Ratio Lower Upper

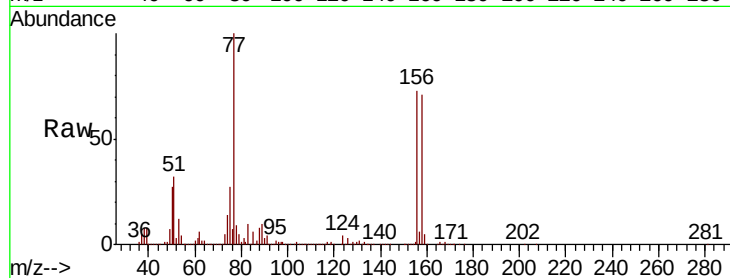
156 100

77 158.8 83.2 249.4

158 97.9 49.0 147.2

Manual Integrations
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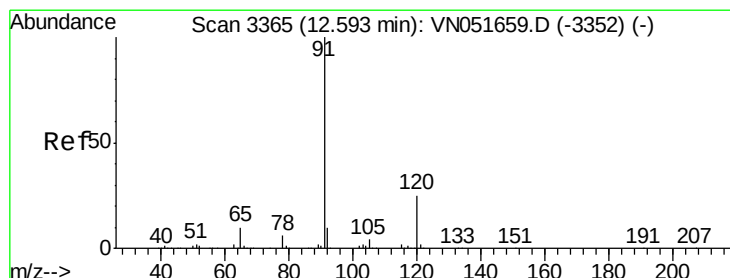
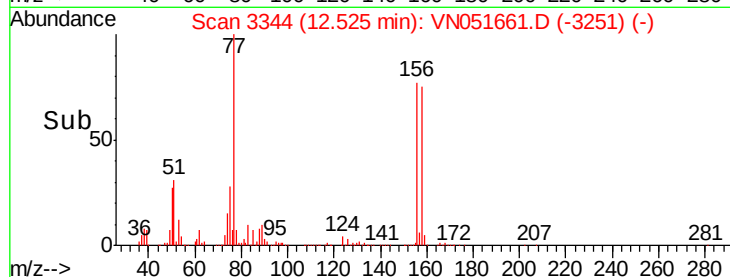
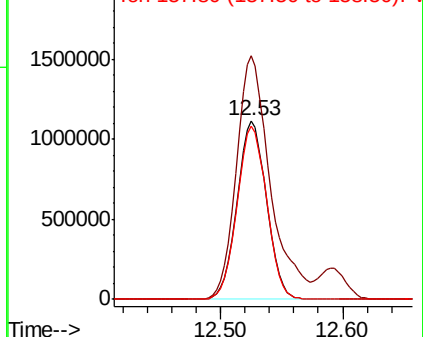


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 138.112 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051661.D

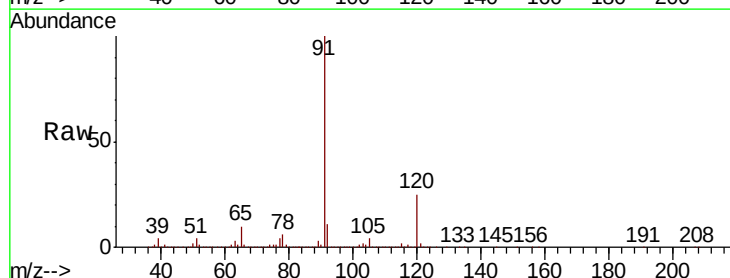
Acq: 4 Oct 2018 12:30

Tgt Ion: 91 Resp: 8100134

Ion Ratio Lower Upper

91 100

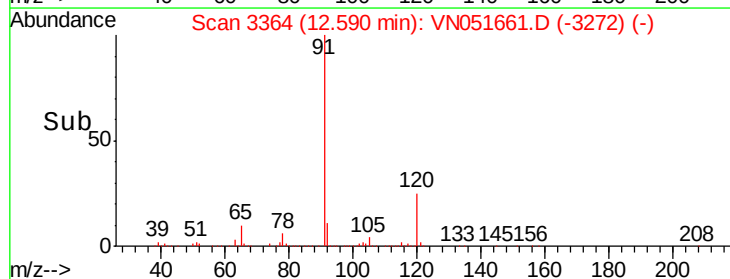
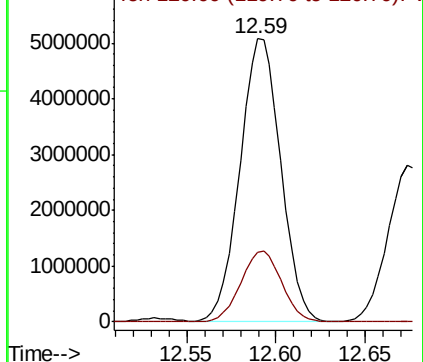
120 25.2 12.4 37.2

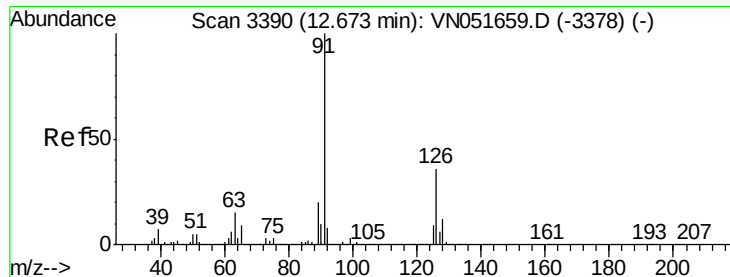


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 135.938 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 4698717

Ion Ratio Lower Upper

91 100

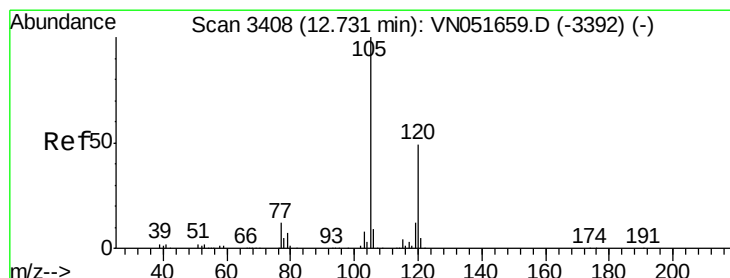
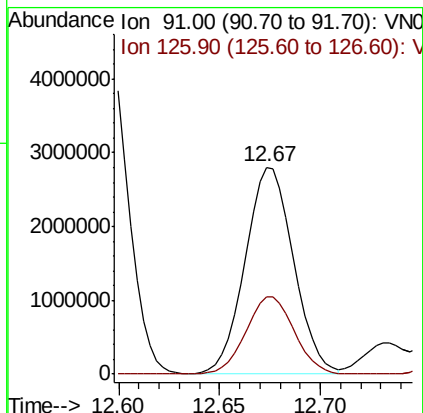
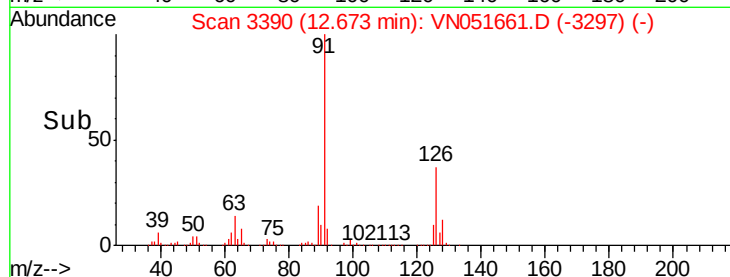
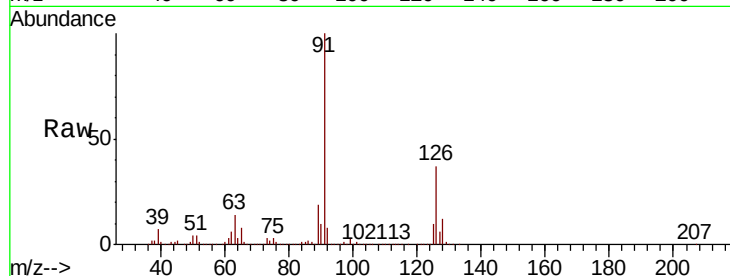
126 37.5 18.5 55.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 136.663 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051661.D

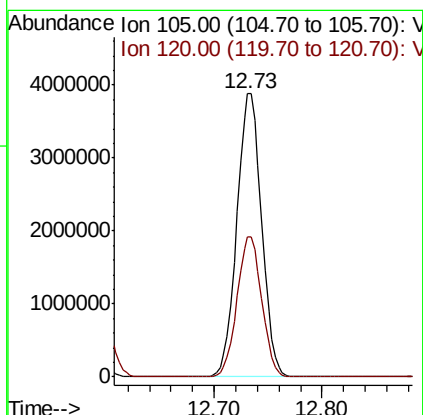
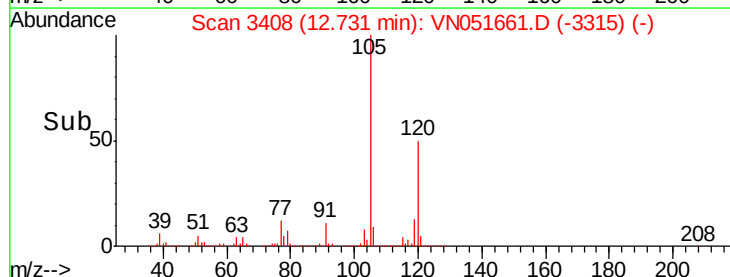
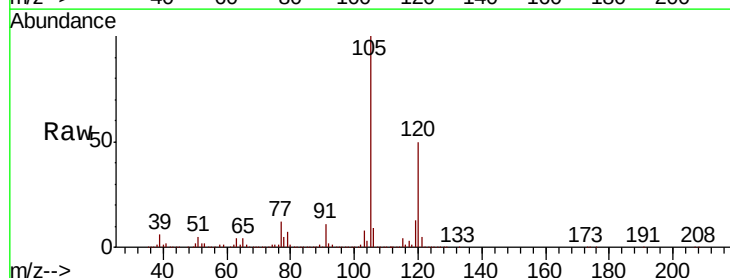
Acq: 4 Oct 2018 12:30

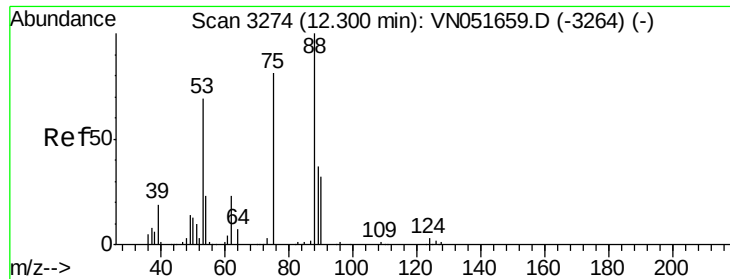
Tgt Ion: 105 Resp: 6192873

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0





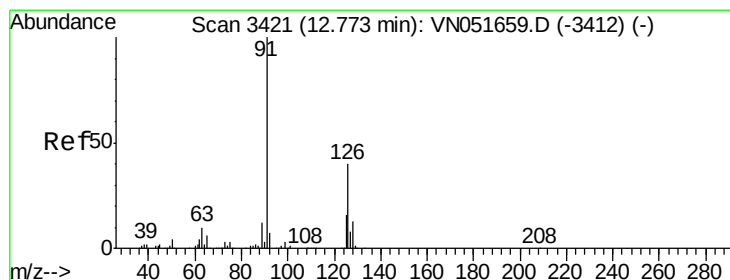
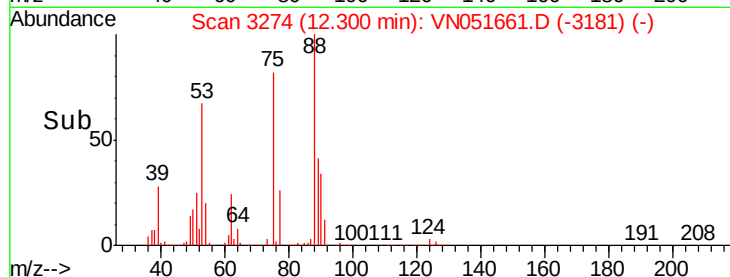
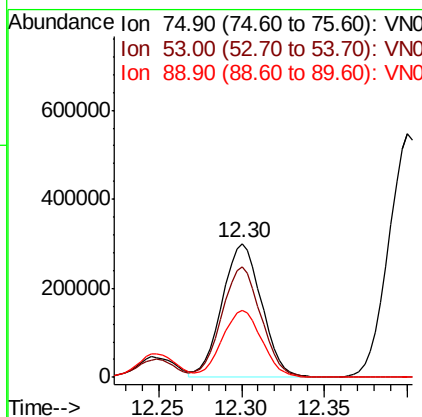
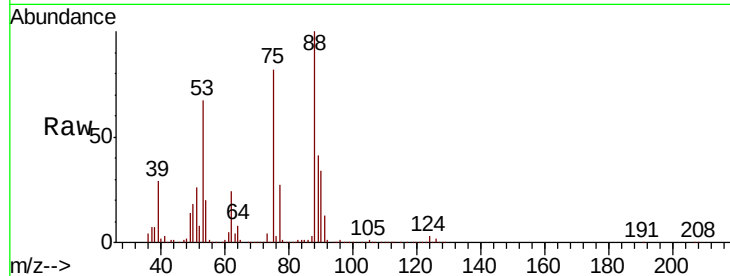
#81
trans-1,4-Dichloro-2-butene
Concen: 144.481 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.7	68.6	102.8
89	50.4	39.4	59.2

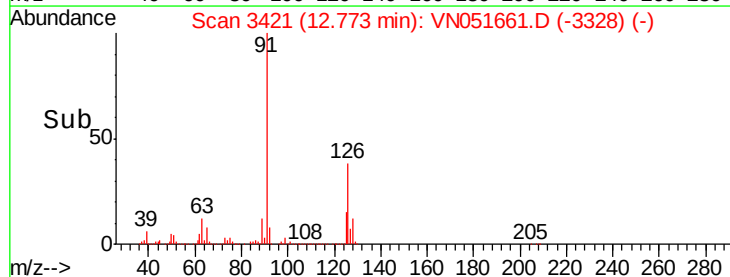
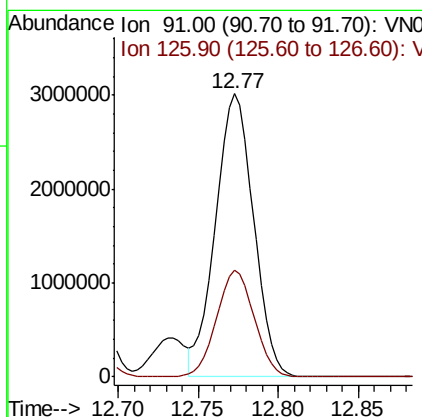
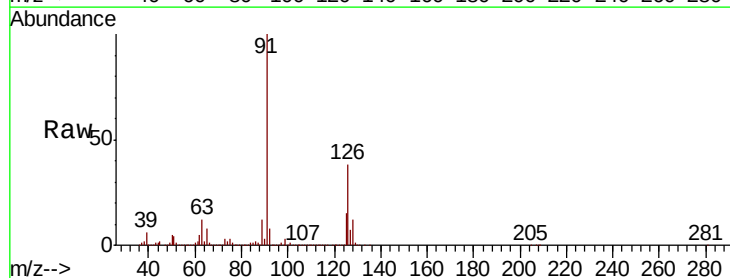
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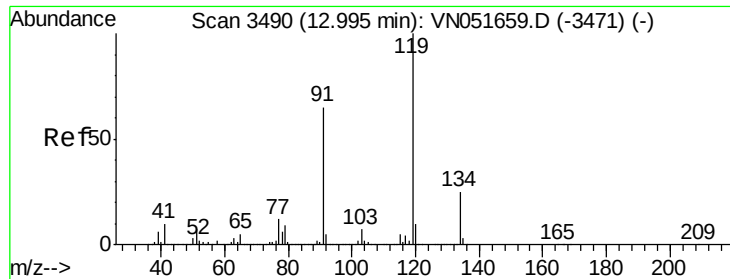
MMDadoda
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#82
4-Chlorotoluene
Concen: 141.879 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.2	18.0	54.0





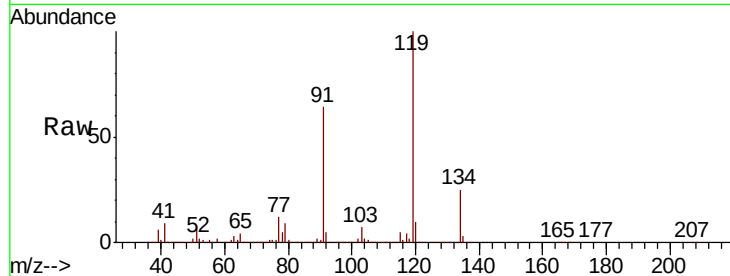
#83
 tert-Butylbenzene
 Concen: 134.284 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

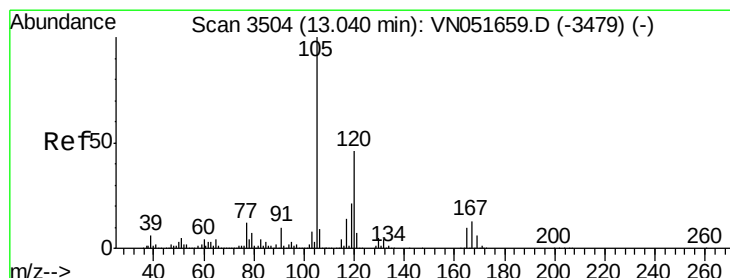
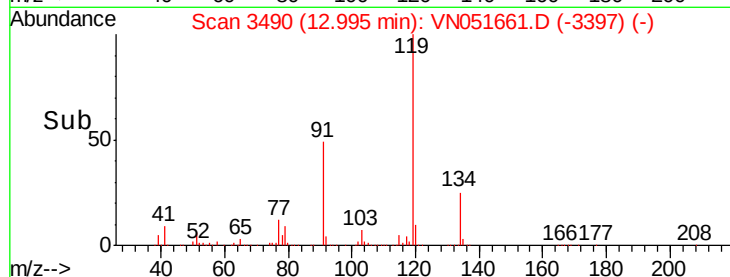
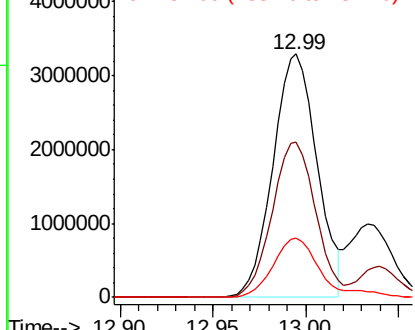
Tot Ion:119 Resp: 5452508
 Ion Ratio Lower Upper
 119 100
 91 63.0 32.1 96.5
 134 26.3 13.3 39.9

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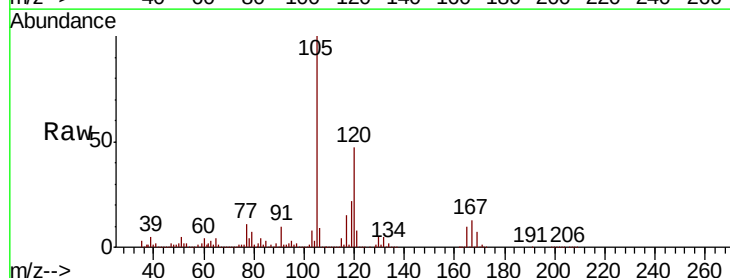


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

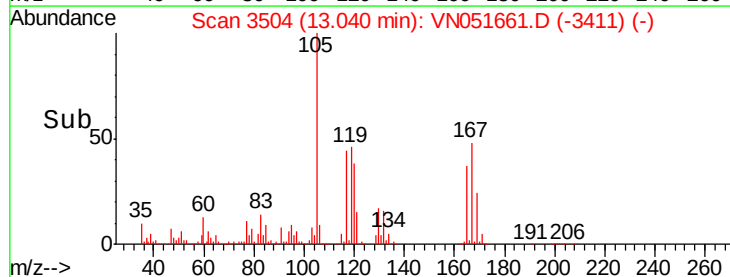
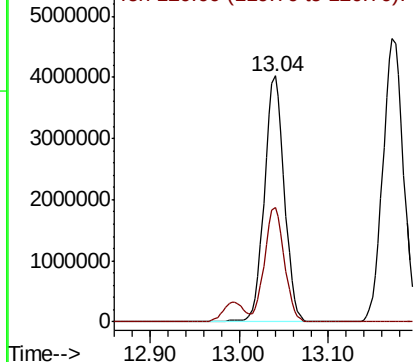


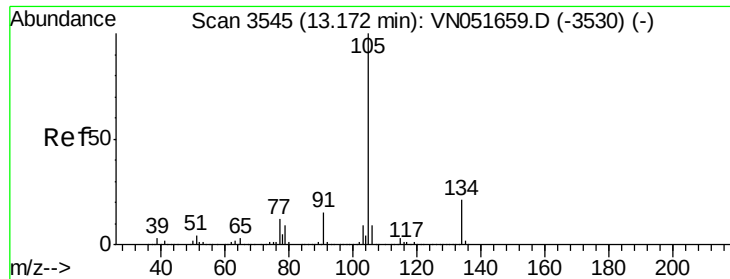
#84
 1,2,4-Trimethylbenzene
 Concen: 137.615 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Tgt Ion:105 Resp: 6246277
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.9 68.7



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





#85

sec-Butylbenzene

Concen: 137.203 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 7369248

Ion Ratio Lower Upper

105 100

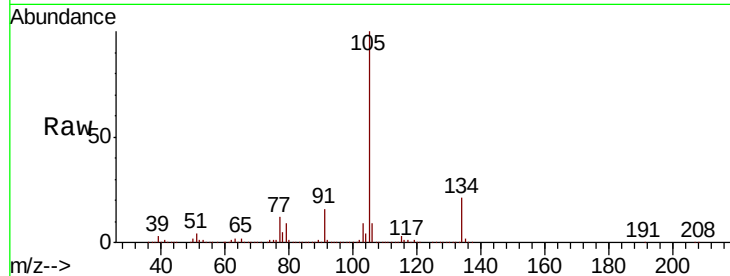
134 21.2 10.5 31.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

5000000

4000000

3000000

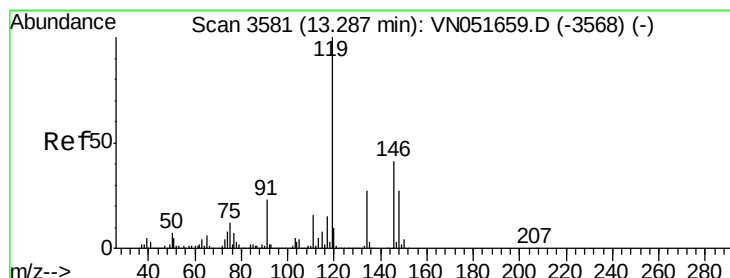
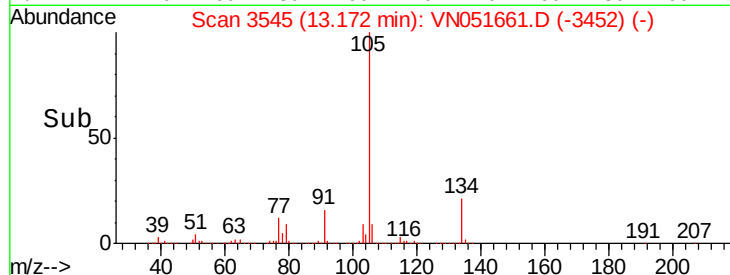
2000000

1000000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 141.748 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051661.D

Acq: 4 Oct 2018 12:30

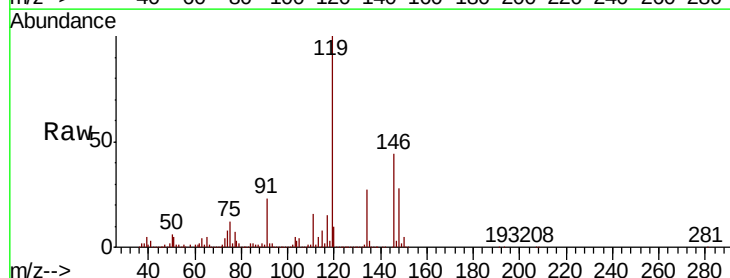
Tgt Ion:119 Resp: 6749373

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

91 23.0 11.7 35.1



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): VNO

6000000

5000000

4000000

3000000

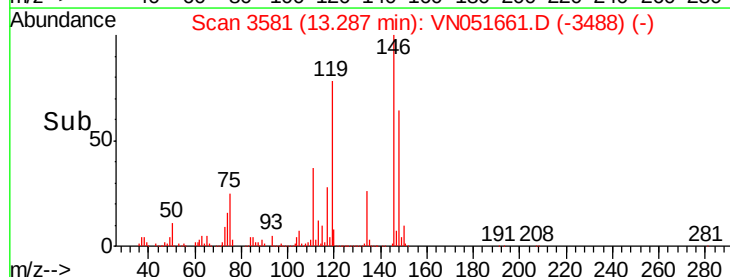
2000000

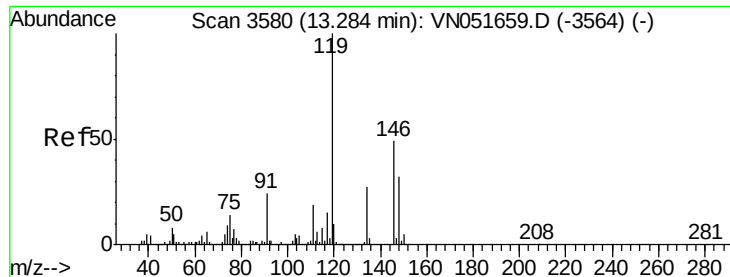
1000000

0

13.20 13.25 13.30 13.35

Time-->





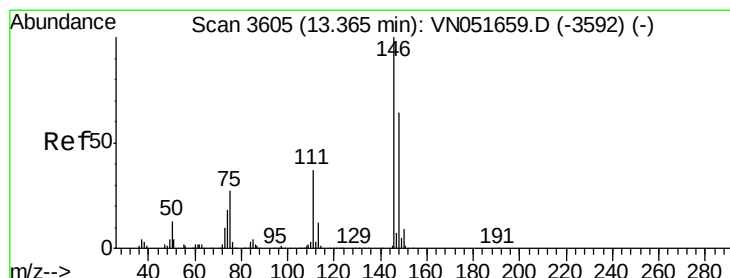
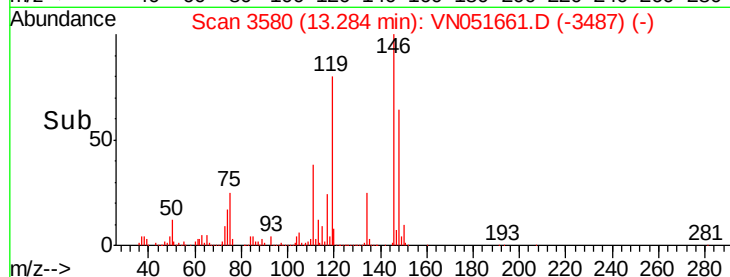
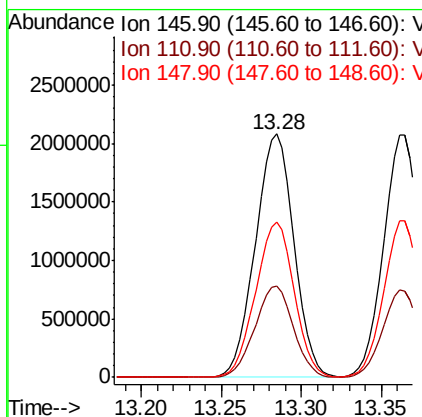
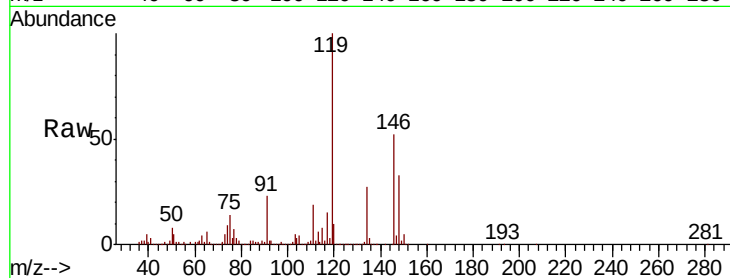
#87
 1,3-Dichlorobenzene
 Concen: 150.941 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.3	57.9
148	63.6	32.5	97.5

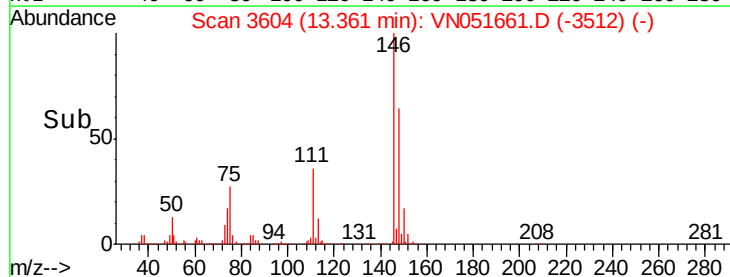
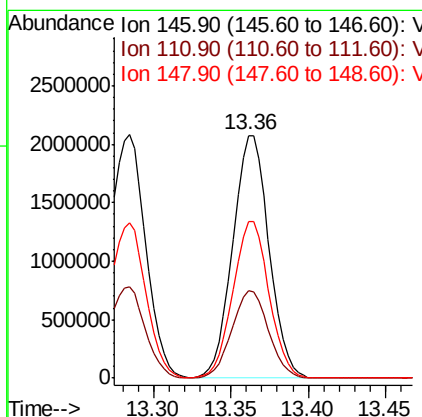
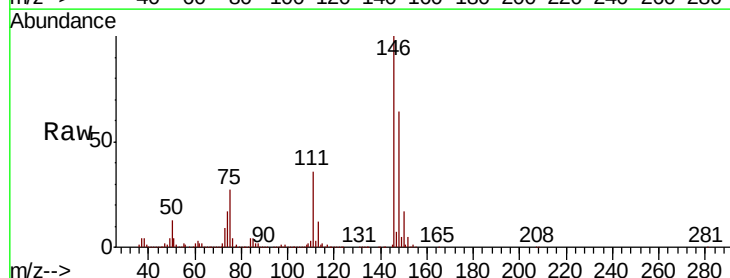
Manual Integrations
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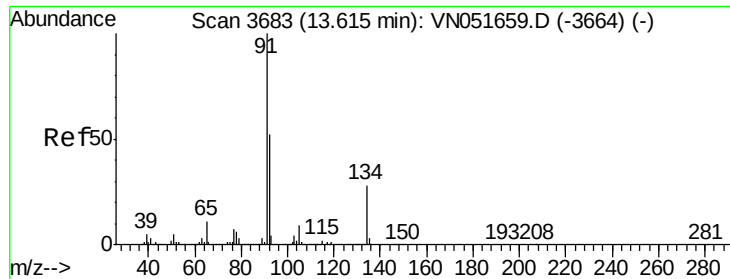
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 149.398 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.6	55.8
148	64.3	32.3	96.8





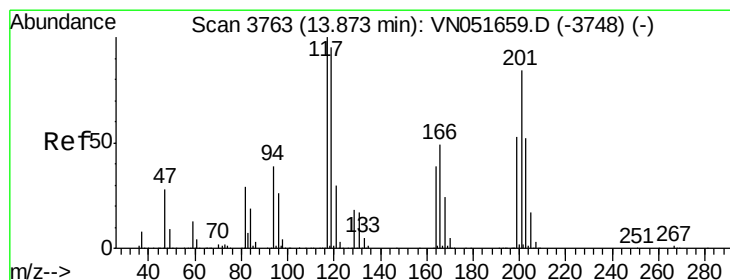
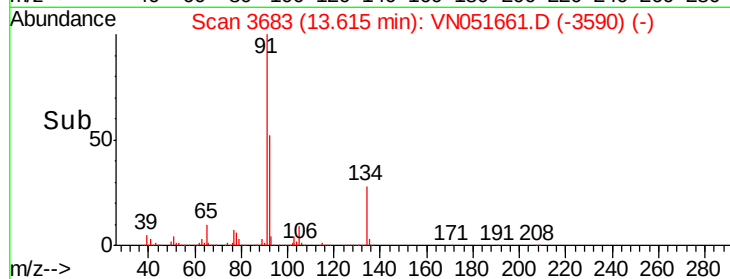
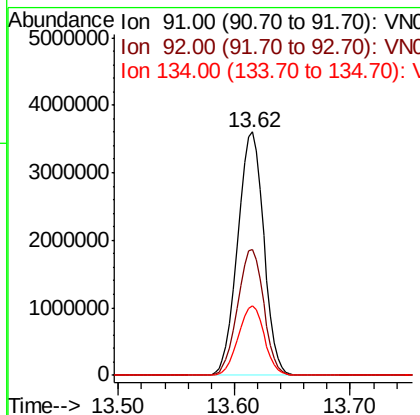
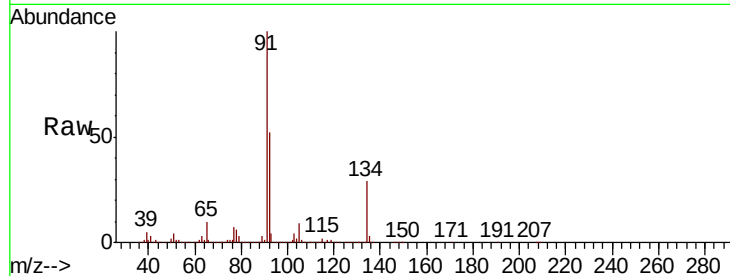
#89
n-Butylbenzene
Concen: 148.316 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.0	78.0
134	28.5	14.2	42.6

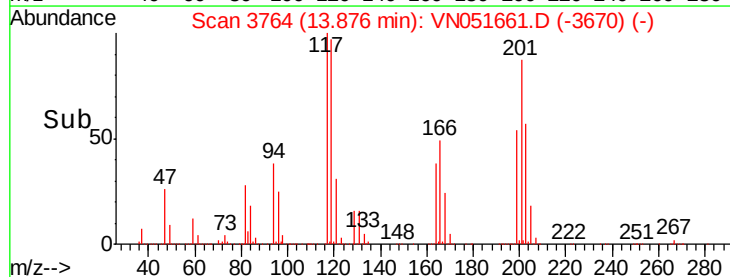
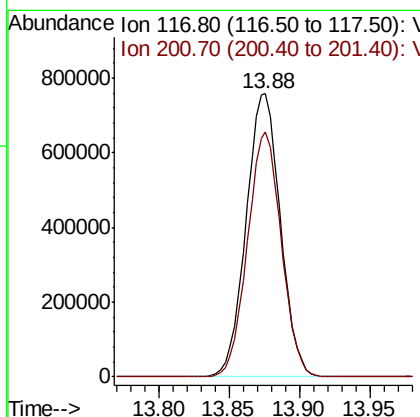
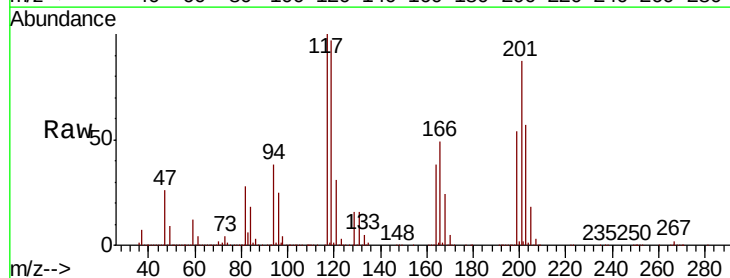
Manual Integrations
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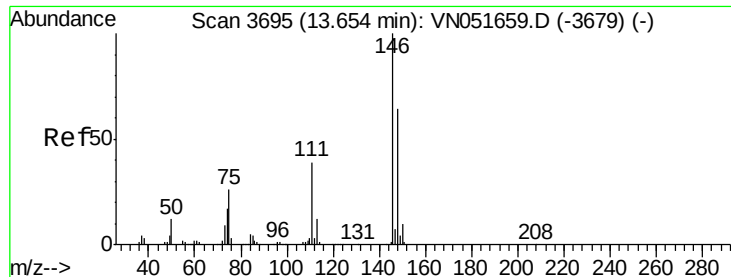
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#90
Hexachloroethane
Concen: 135.851 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	42.4	127.3





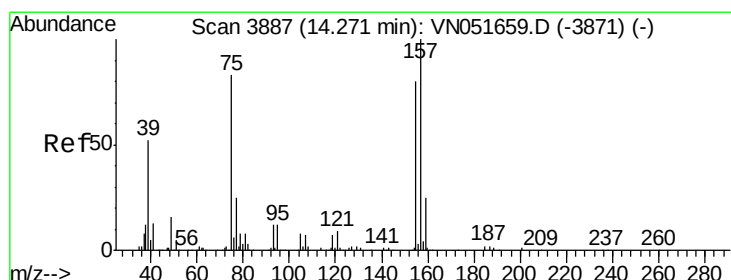
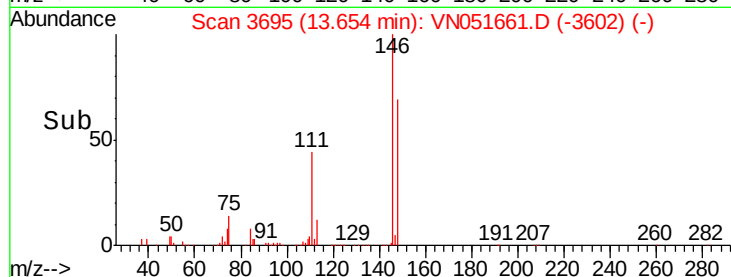
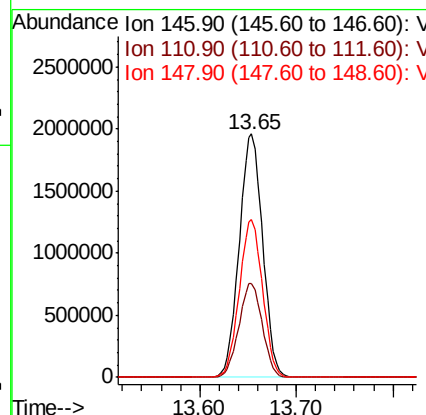
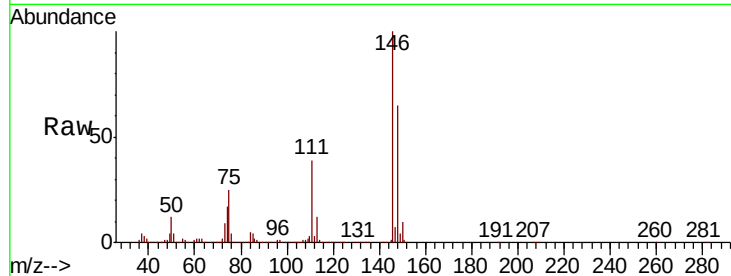
#91
 1,2-Dichlorobenzene
 Concen: 144.581 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	64.4	32.1	96.3

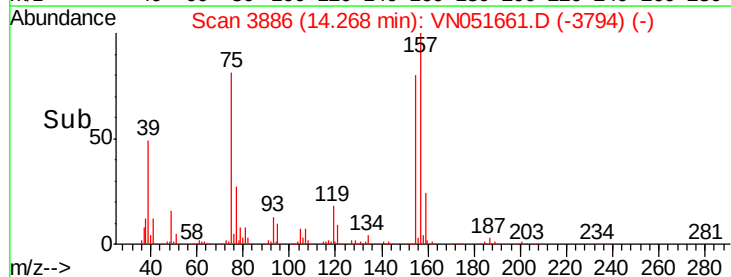
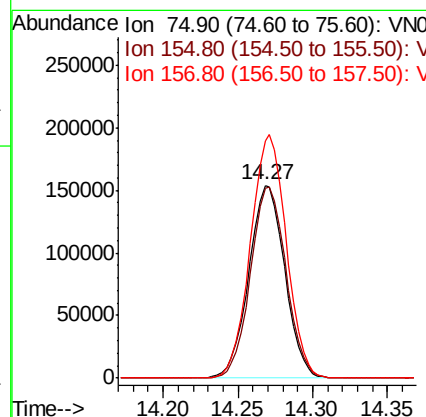
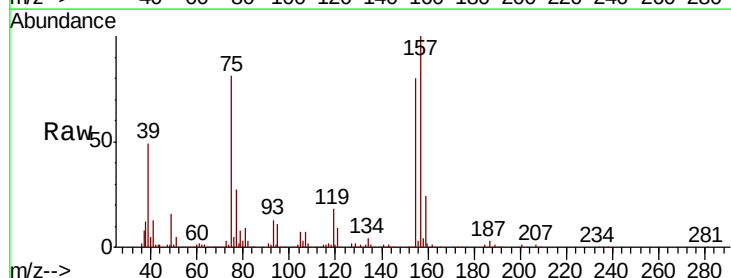
Manual Integrations
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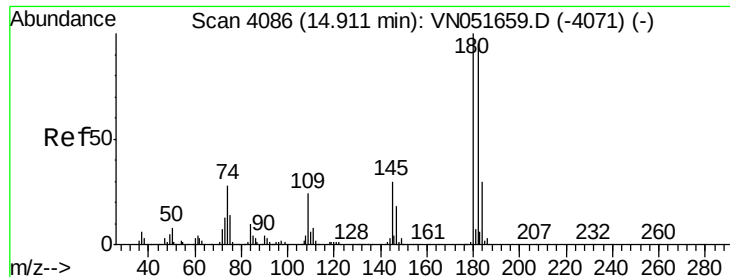
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 135.780 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	47.6	142.9
157	126.2	61.7	185.1





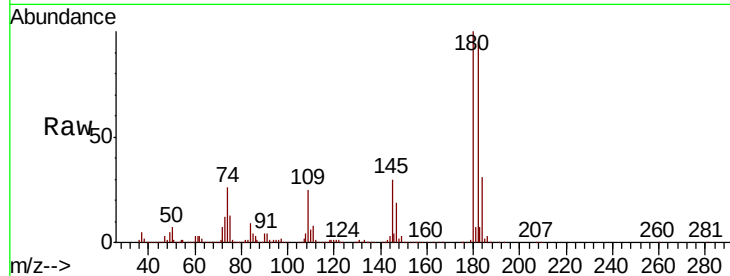
#93
 1,2,4-Trichlorobenzene
 Concen: 177.027 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.7	143.1
145	30.1	15.3	45.9

Manual Integrations
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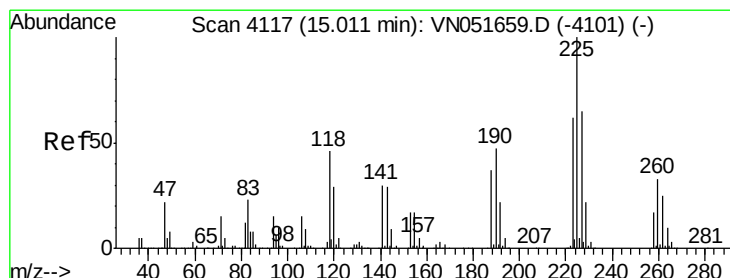
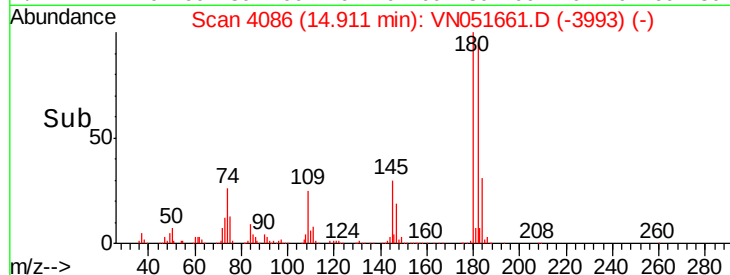
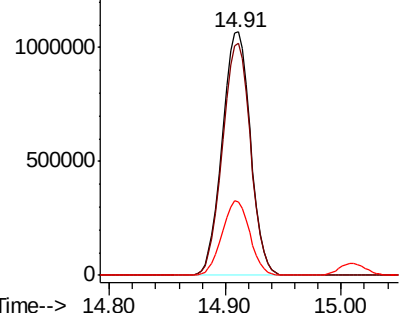


Abundance

Ion 179.80 (179.50 to 180.50): V

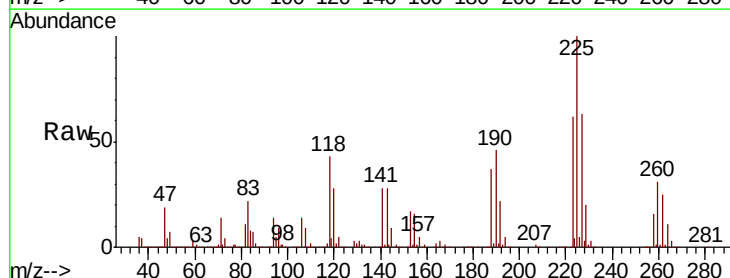
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 139.714 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051661.D
 Acq: 4 Oct 2018 12:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.9	95.5
227	63.6	31.7	95.1

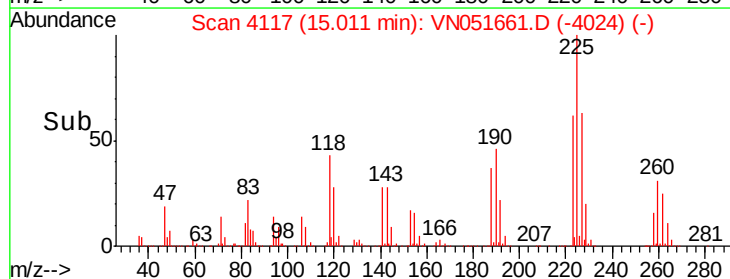
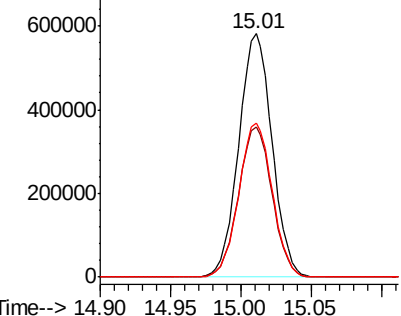


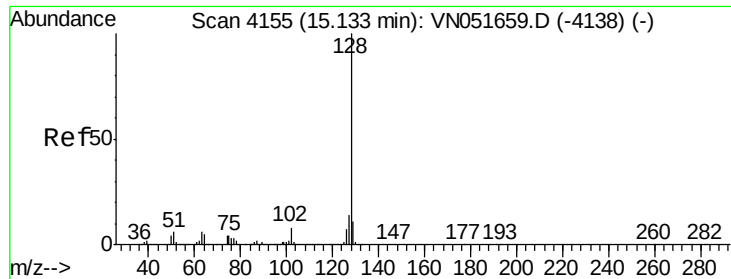
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





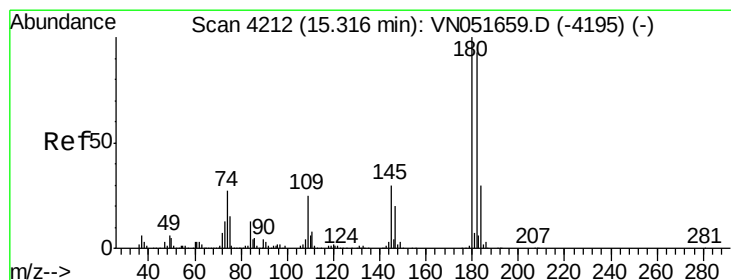
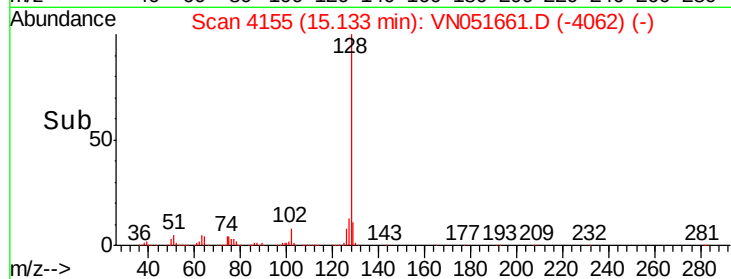
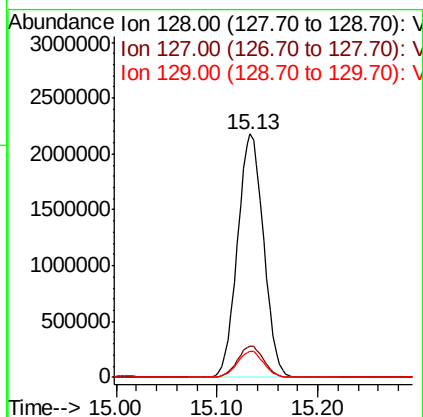
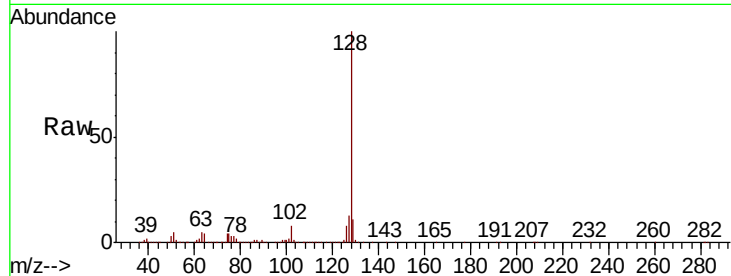
#95
Naphthalene
Concen: 177.556 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.8	9.0	13.6

Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 167.709 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051661.D
Acq: 4 Oct 2018 12:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	141.8
145	32.0	15.6	46.8

