

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
 Data File : VN051660.D
 Acq On : 4 Oct 2018 12:05
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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

Quant Time: Oct 05 02:09:15 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	707256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1089626	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1058774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	625914	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	923884	98.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.76%	
35) Dibromofluoromethane	7.59	113	846576	100.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.98%	
50) Toluene-d8	10.09	98	3258608	103.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.38%	
62) 4-Bromofluorobenzene	12.40	95	1203886	108.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.44%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	871700	103.859	ug/l 98
3) Chloromethane	2.06	50	762512	94.472	ug/l 99
4) Vinyl Chloride	2.18	62	1196886	94.137	ug/l 99
5) Bromomethane	2.55	94	891126	91.139	ug/l 98
6) Chloroethane	2.70	64	778673	91.124	ug/l 100
7) Trichlorofluoromethane	3.01	101	1256570	86.686	ug/l 99
8) Diethyl Ether	3.41	74	338465	91.353	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	646521	91.488	ug/l 99
10) Methyl Iodide	3.95	142	942991	109.468	ug/l 100
11) Tert butyl alcohol	4.79	59	292572	497.241	ug/l 100
12) 1,1-Dichloroethene	3.73	96	604203	91.734	ug/l 99
13) Acrolein	3.61	56	195681	493.272	ug/l 98
14) Allyl chloride	4.32	41	947881	94.357	ug/l 100
15) Acrylonitrile	4.99	53	1058413	483.036	ug/l 99
16) Acetone	3.82	43	740038	432.780	ug/l 97
17) Carbon Disulfide	4.05	76	1855712	92.691	ug/l 100
18) Methyl Acetate	4.33	43	491985	95.401	ug/l 100
19) Methyl tert-butyl Ether	5.05	73	2036813	93.688	ug/l 99
20) Methylene Chloride	4.55	84	721074	93.804	ug/l 99
21) trans-1,2-Dichloroethene	5.04	96	730123	93.546	ug/l 96
22) Diisopropyl ether	5.96	45	2077495	96.476	ug/l 95
23) Vinyl Acetate	5.90	43	7605229	480.325	ug/l 97
24) 1,1-Dichloroethane	5.85	63	1306387	94.329	ug/l 99
25) 2-Butanone	6.84	43	1208954	448.099	ug/l 100
26) 2,2-Dichloropropane	6.83	77	1287128	92.743	ug/l 98
27) cis-1,2-Dichloroethene	6.83	96	849200	93.725	ug/l 98
28) Bromochloromethane	7.20	49	585043	95.420	ug/l 93
29) Tetrahydrofuran	7.21	42	795409	480.420	ug/l 96
30) Chloroform	7.37	83	1520866	97.740	ug/l 100
31) Cyclohexane	7.65	56	1169524	92.209	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	1489121	98.732	ug/l 98
36) 1,1-Dichloropropene	7.79	75	1117744	98.140	ug/l 99
37) Ethyl Acetate	6.93	43	566371	95.347	ug/l 99
38) Carbon Tetrachloride	7.78	117	1370177	100.258	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1409542	98.592	ug/l	99
40) Benzene	8.04	78	3344648	99.062	ug/l	99
41) Methacrylonitrile	7.18	41	296050	90.764	ug/l	95
42) 1,2-Dichloroethane	8.13	62	1103191	96.954	ug/l	100
43) Isopropyl Acetate	8.17	43	1168920	94.385	ug/l	99
44) Trichloroethene	8.84	130	955287	99.647	ug/l	97
45) 1,2-Dichloropropane	9.12	63	793062	95.004	ug/l	99
46) Dibromomethane	9.21	93	574582	99.027	ug/l	99
47) Bromodichloromethane	9.40	83	1253231	98.116	ug/l	99
48) Methyl methacrylate	9.20	41	541565	95.699	ug/l	96
49) 1,4-Dioxane	9.20	88	164985	1944.291	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2979967	474.849	ug/l	99
52) Toluene	10.16	92	2283127	101.671	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1332401	101.094	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1388530	99.211	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	801963	100.250	ug/l	99
56) Ethyl methacrylate	10.43	69	1034844	102.294	ug/l	96
57) 1,3-Dichloropropane	10.71	76	1263578	99.801	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2122728	507.002	ug/l	98
59) 2-Hexanone	10.75	43	1997051	468.575	ug/l	100
60) Dibromochloromethane	10.90	129	1086633	103.798	ug/l	99
61) 1,2-Dibromoethane	11.01	107	866569	102.470	ug/l	99
64) Tetrachloroethene	10.63	164	906022	96.994	ug/l	98
65) Chlorobenzene	11.43	112	2599361	99.128	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	1045157	99.544	ug/l	99
67) Ethyl Benzene	11.51	91	4464901	98.511	ug/l	99
68) m/p-Xylenes	11.62	106	3646725	201.090	ug/l	99
69) o-Xylene	11.95	106	1768278	99.427	ug/l	99
70) Styrene	11.96	104	2922783	103.135	ug/l	98
71) Bromoform	12.13	173	812288	104.012	ug/l #	100
73) Isopropylbenzene	12.25	105	4776529	89.523	ug/l	100
74) N-amyl acetate	12.07	43	1046019	85.967	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	986111	85.740	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	742901m	84.624	ug/l	
77) Bromobenzene	12.53	156	1210460	92.784	ug/l	96
78) n-propylbenzene	12.59	91	5316504	91.356	ug/l	100
79) 2-Chlorotoluene	12.67	91	3099524	90.371	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	4091155	90.986	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	317313	93.189	ug/l	99
82) 4-Chlorotoluene	12.77	91	3222402	93.526	ug/l	98
83) tert-Butylbenzene	12.99	119	3602567	89.415	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	4105528	91.156	ug/l	99
85) sec-Butylbenzene	13.17	105	4885757	91.674	ug/l	100
86) p-Isopropyltoluene	13.29	119	4399142	93.109	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2211622	97.288	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	2175461	97.224	ug/l	100
89) n-Butylbenzene	13.62	91	3606365	96.539	ug/l	100
90) Hexachloroethane	13.87	117	857250	90.940	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	2138918	94.647	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	168051	89.661	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1095583	108.948	ug/l	100
94) Hexachlorobutadiene	15.01	225	635502	93.143	ug/l	99
95) Naphthalene	15.13	128	2338899	107.706	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	1033839	104.388	ug/l	99

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

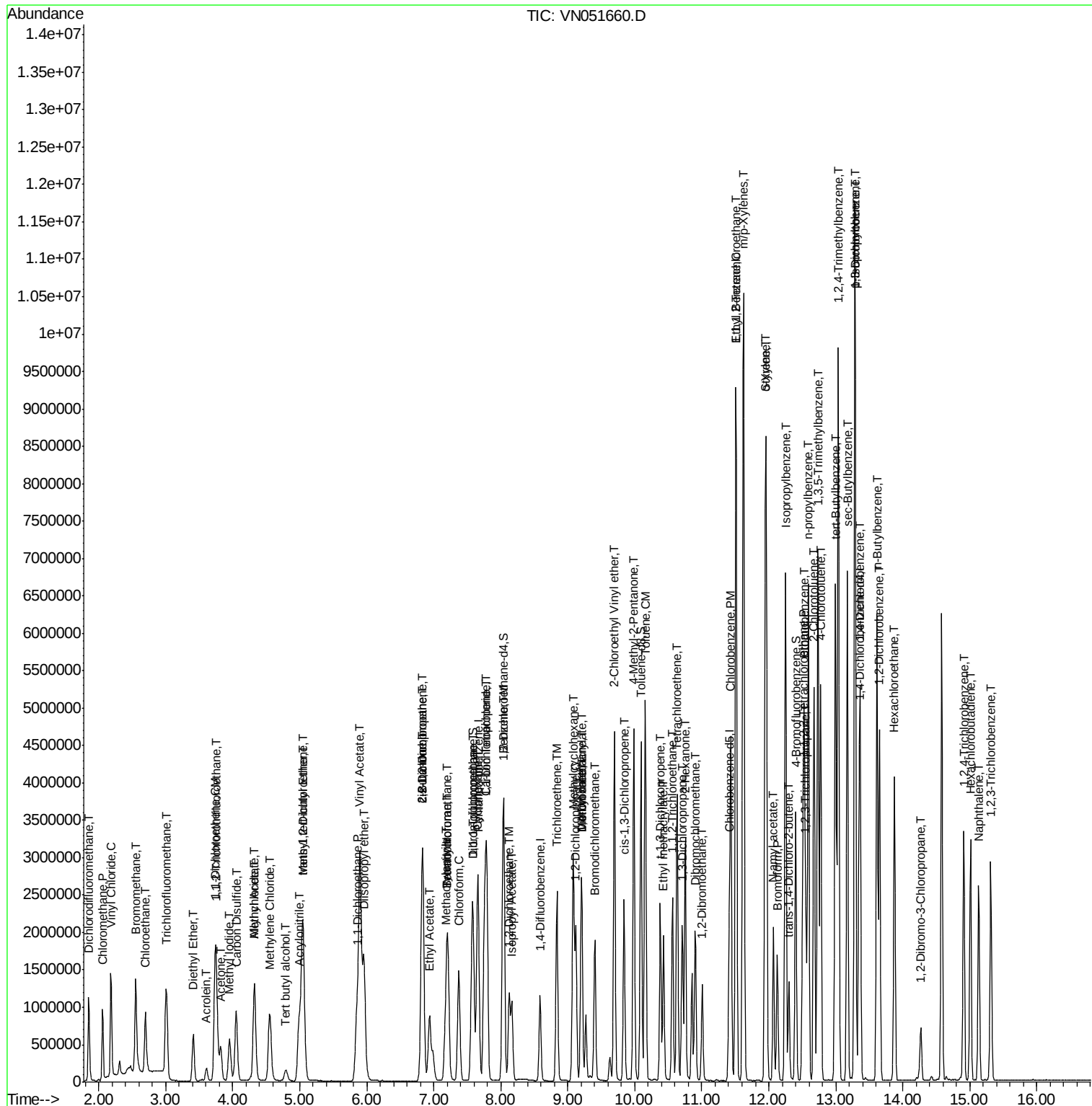
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
Data File : VN051660.D
Acq On : 4 Oct 2018 12:05
Operator : MD\SY
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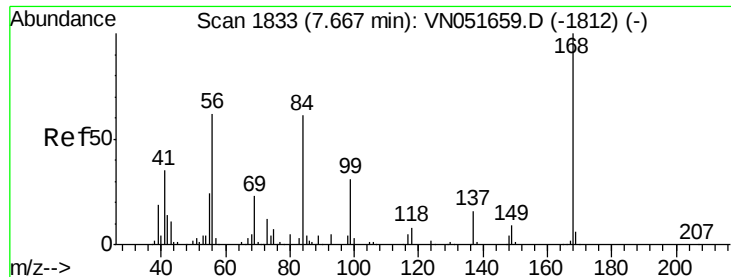
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Manual Integrations
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 707256

Ion Ratio Lower Upper

168 100

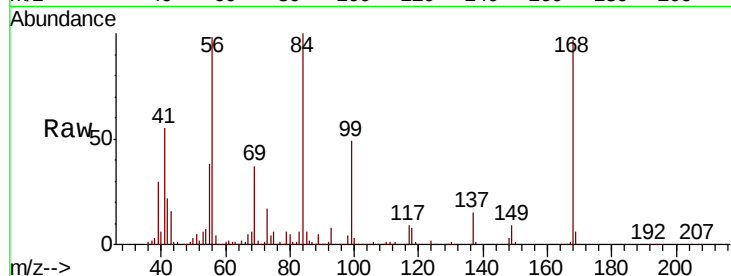
99 50.0 40.4 60.6

Manual Integrations

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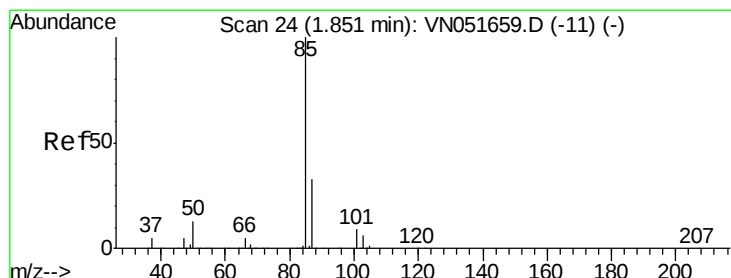
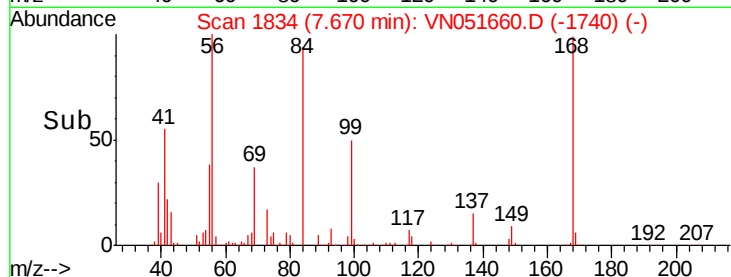
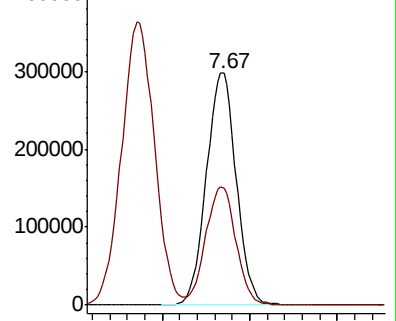
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 103.859 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051660.D

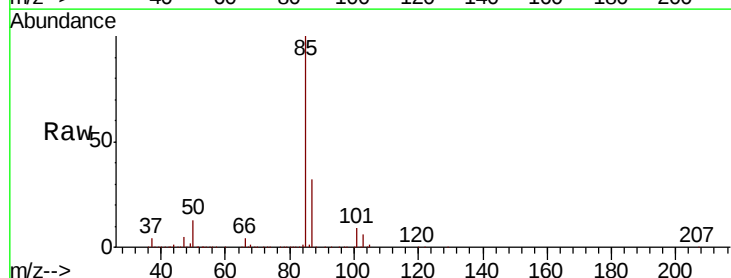
Acq: 4 Oct 2018 12:05

Tgt Ion: 85 Resp: 871700

Ion Ratio Lower Upper

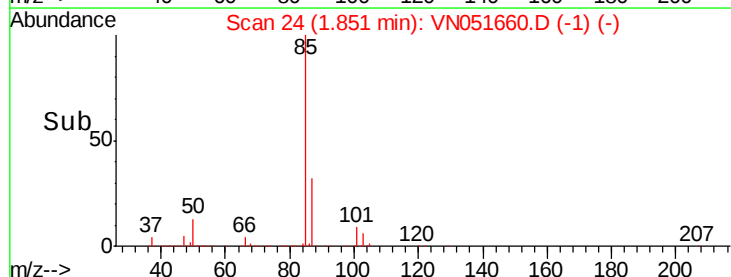
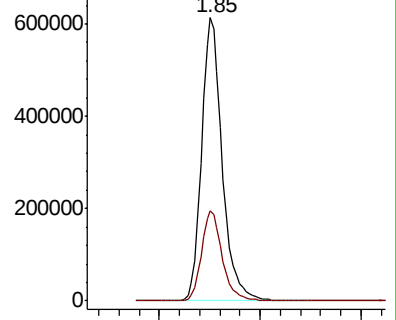
85 100

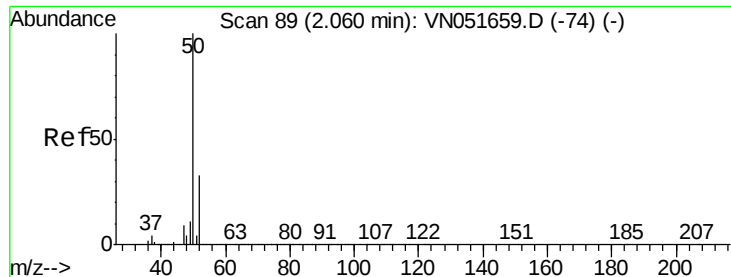
87 31.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 94.472 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 762512

Ion Ratio Lower Upper

50 100

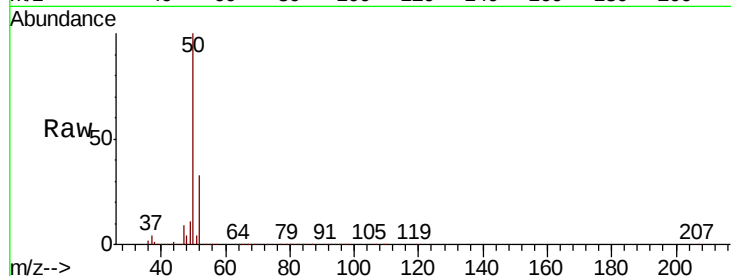
52 32.7 26.6 39.8

Manual Integrations

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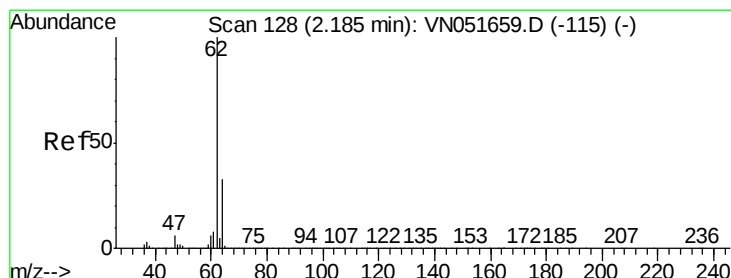
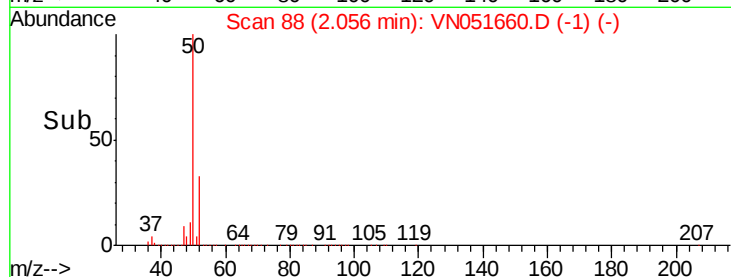
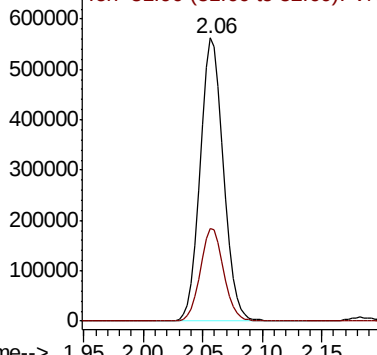
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 94.137 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051660.D

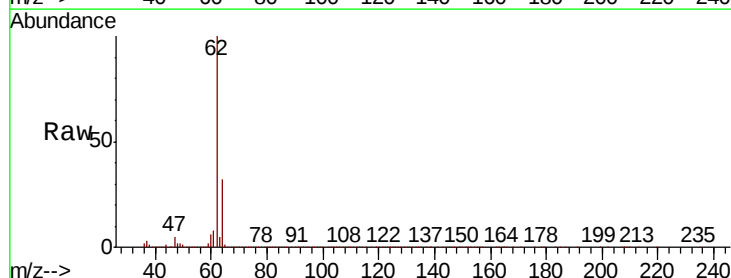
Acq: 4 Oct 2018 12:05

Tgt Ion: 62 Resp: 1196886

Ion Ratio Lower Upper

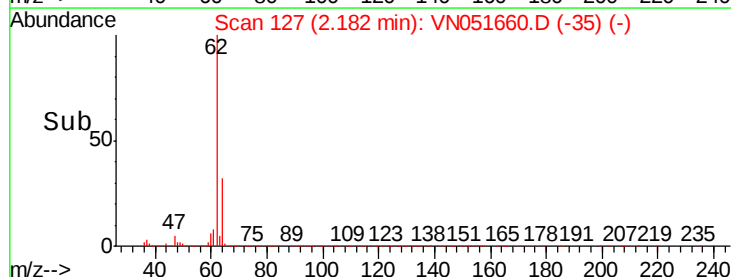
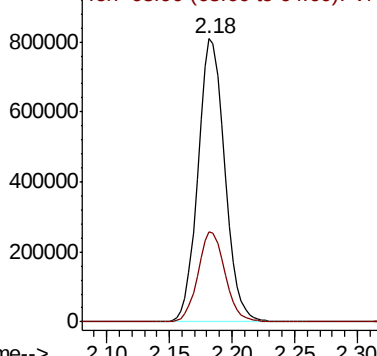
62 100

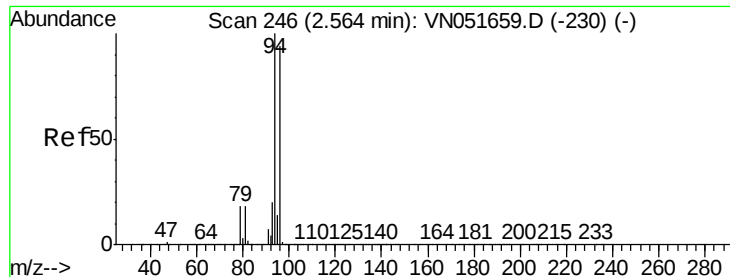
64 32.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 91.139 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.01 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

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ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 891126

Ion Ratio Lower Upper

94 100

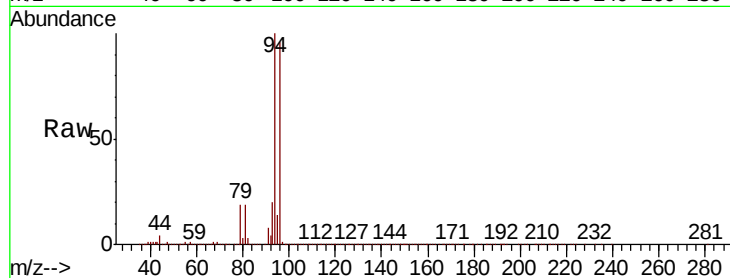
96 96.1 75.2 112.8

Manual Integrations

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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

400000

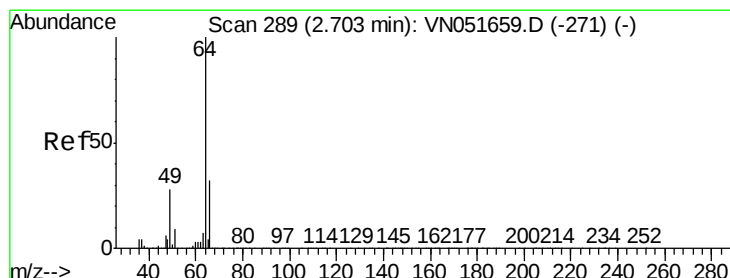
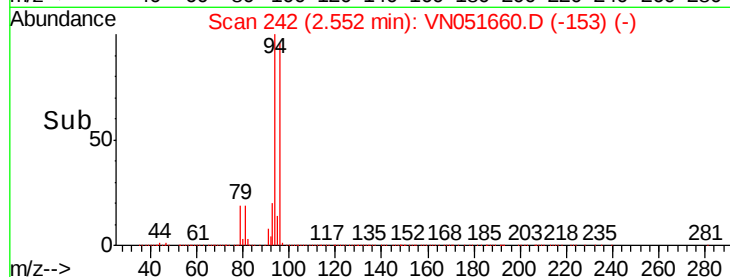
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 91.124 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN051660.D

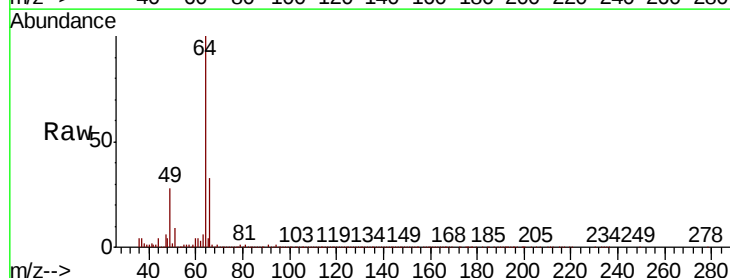
Acq: 4 Oct 2018 12:05

Tgt Ion: 64 Resp: 778673

Ion Ratio Lower Upper

64 100

66 32.6 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

400000

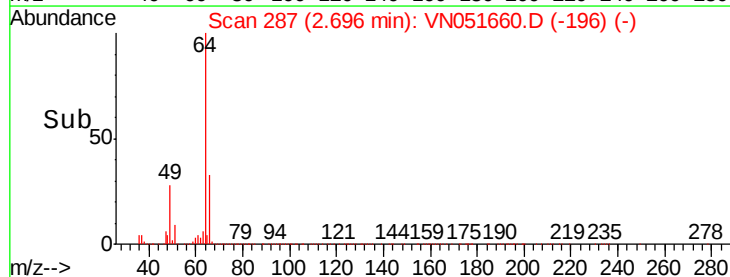
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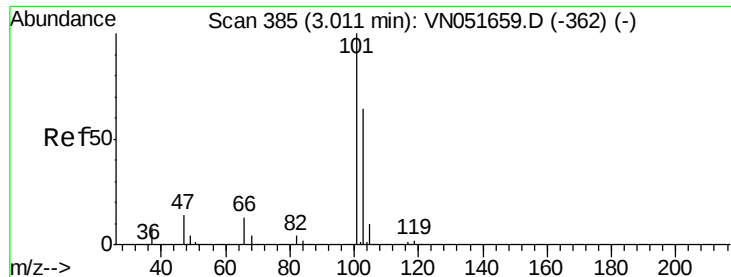
200000

100000

0

Time-->





#7

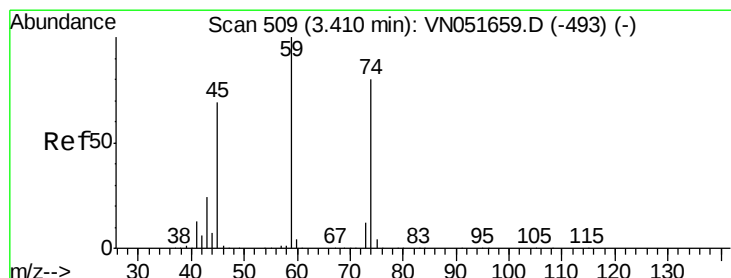
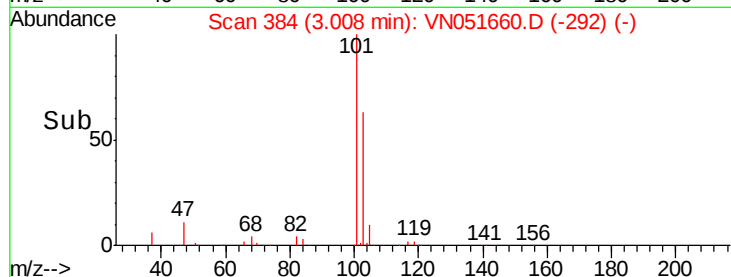
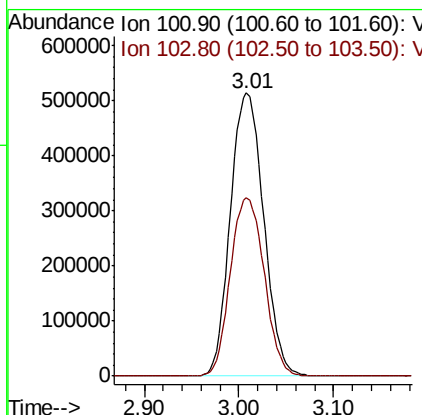
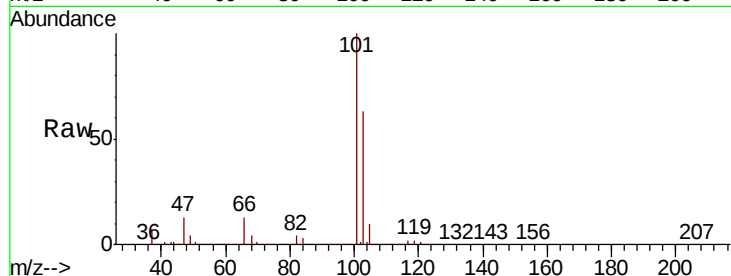
Trichlorofluoromethane
 Concen: 86.686 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN051660.D
 Acq: 4 Oct 2018 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 1256570
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.1 76.7

Manual Integrations
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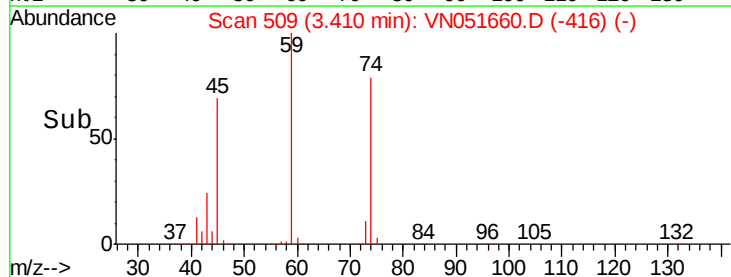
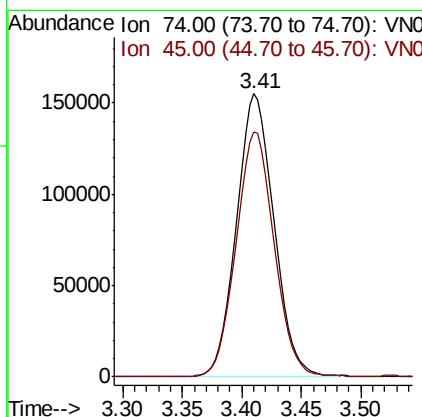
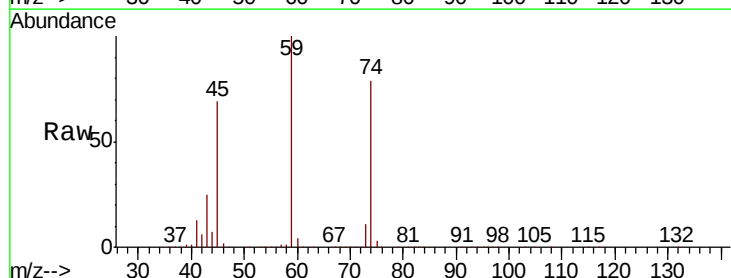
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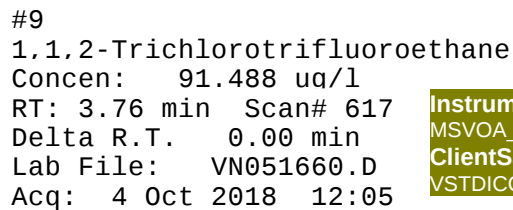


#8

Diethyl Ether
 Concen: 91.353 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN051660.D
 Acq: 4 Oct 2018 12:05

Tgt Ion: 74 Resp: 338465
 Ion Ratio Lower Upper
 74 100
 45 87.2 44.3 132.9



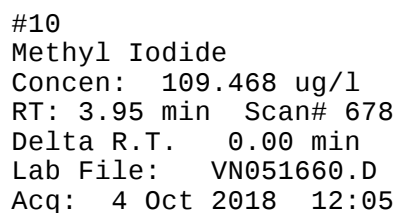
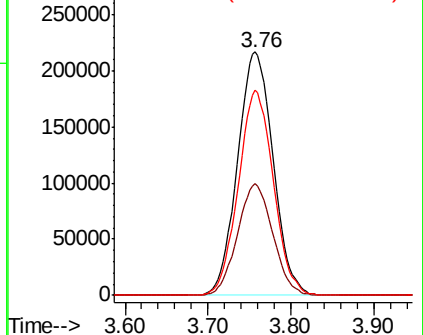
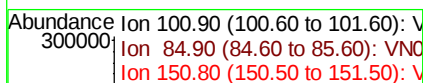


Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

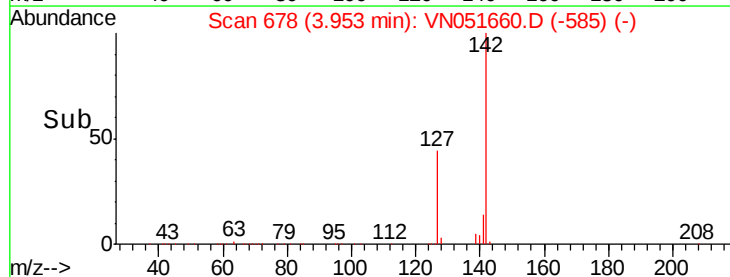
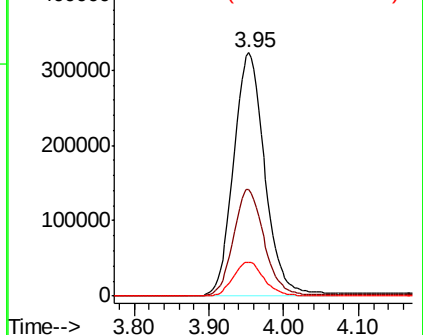
Tqt	Ion:101	Resp:	646521
Ion	Ratio	Lower	Upper
101	100		
85	45.4	35.6	53.4
151	82.8	65.5	98.3

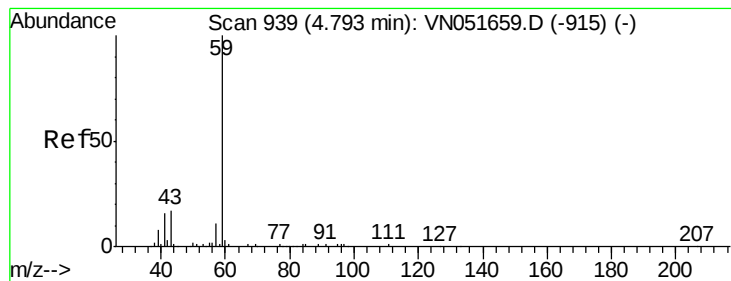
Manual Integrations
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Tgt	Ion:142	Resp:	942991
Ion	Ratio	Lower	Upper
142	100		
127	43.4	34.7	52.1
141	13.9	11.4	17.2





#11

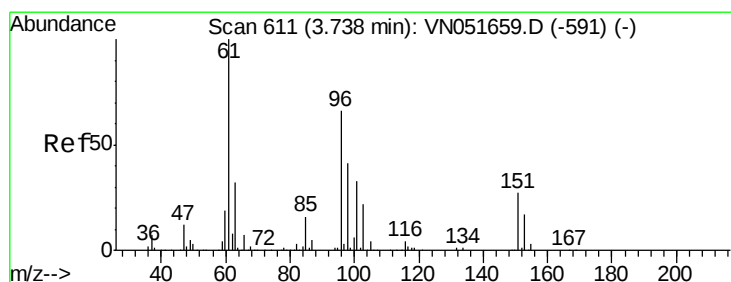
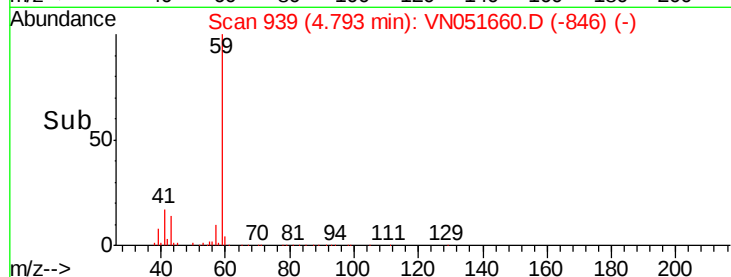
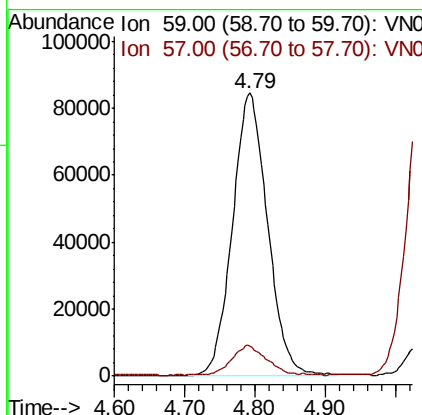
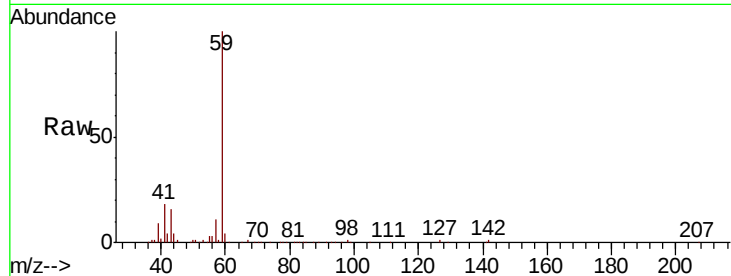
Tert butyl alcohol
 Concen: 497.241 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN051660.D
 Acq: 4 Oct 2018 12:05

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC100

Tot Ion	59	57	Ratio	100	10.3	Resp	292572	Lower	8.1	Upper	12.1
Ion	59	57	Ratio	100	10.3	Resp	292572	Lower	8.1	Upper	12.1

Manual Integrations
 APPROVED

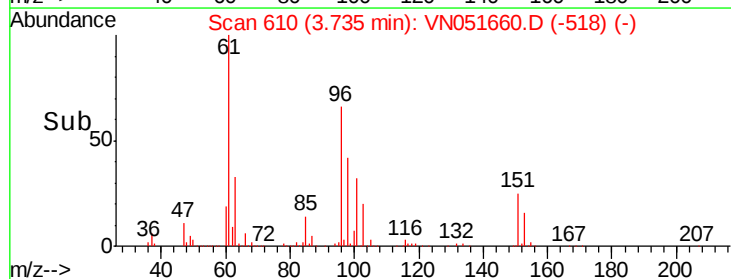
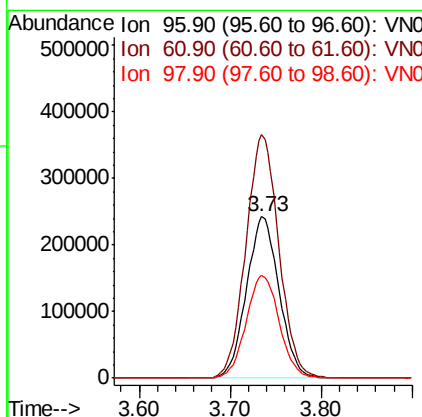
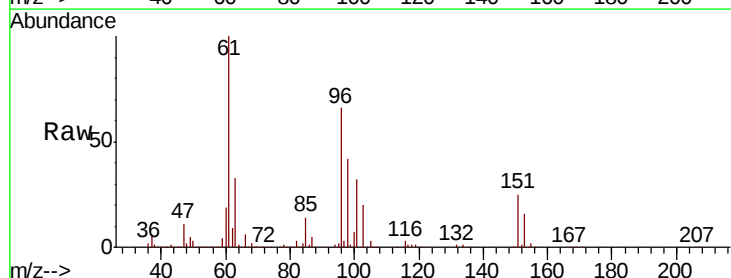
MMDadoda
 10/8/2018 1:53:09 PM

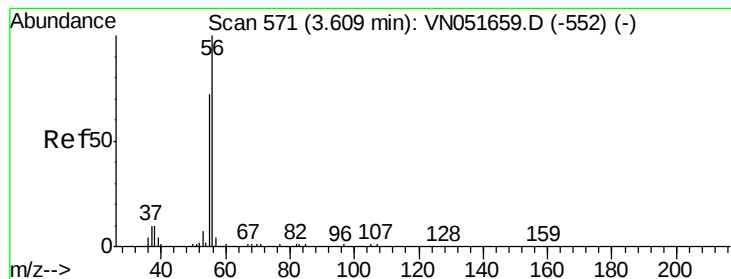


#12

1,1-Dichloroethene
 Concen: 91.734 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051660.D
 Acq: 4 Oct 2018 12:05

Tgt Ion	96	61	98	Ratio	100	150.8	63.1	Resp	604203	Lower	121.4	49.9	Upper	182.0	74.9
Ion	96	61	98	Ratio	100	150.8	63.1	Resp	604203	Lower	121.4	49.9	Upper	182.0	74.9





#13

Acrolein

Concen: 493.272 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 195681

Ion Ratio Lower Upper

56 100

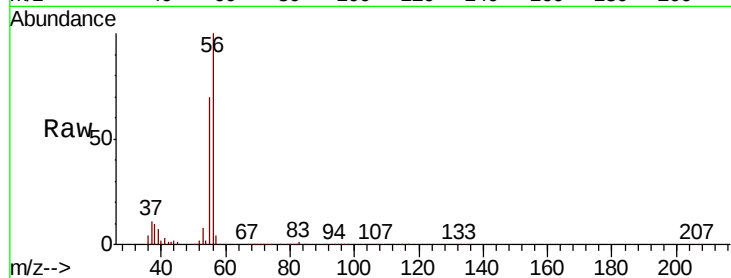
55 70.7 57.5 86.3

Manual Integrations

APPROVED

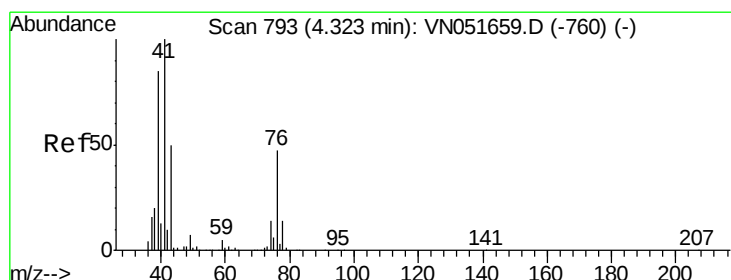
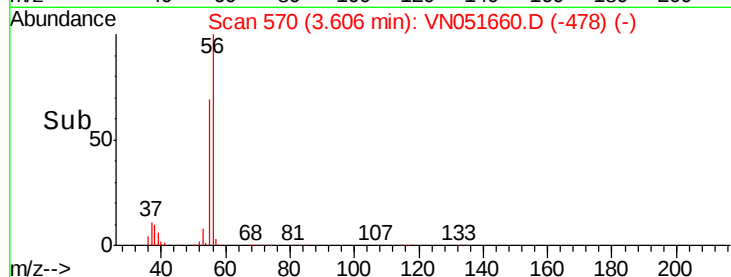
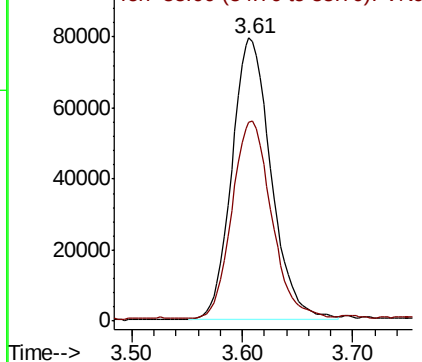
MMDadoda

10/8/2018 1:53:09 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 94.357 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

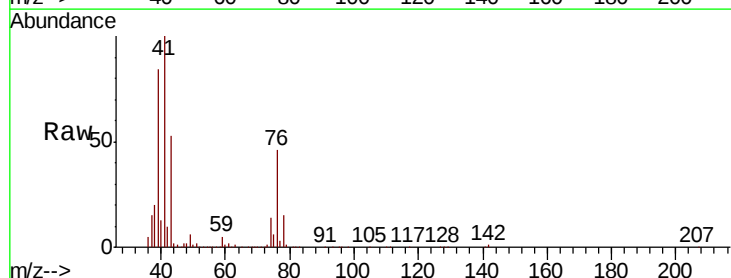
Tgt Ion: 41 Resp: 947881

Ion Ratio Lower Upper

41 100

39 81.6 65.4 98.0

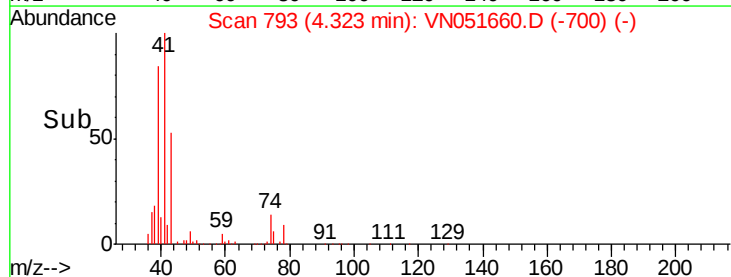
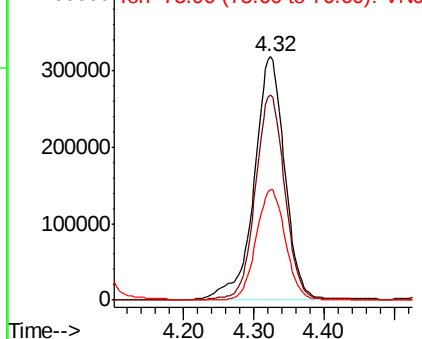
76 43.6 34.3 51.5

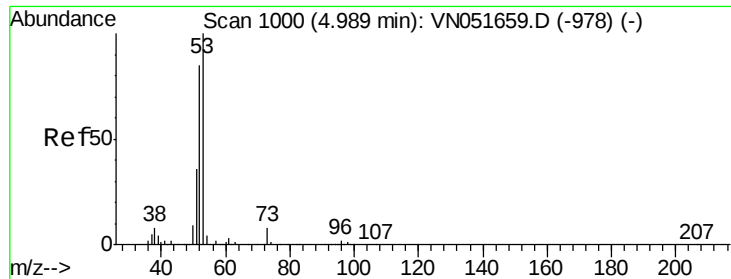


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 483.036 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1058413

Ion Ratio Lower Upper

53 100

52 82.2 66.2 99.2

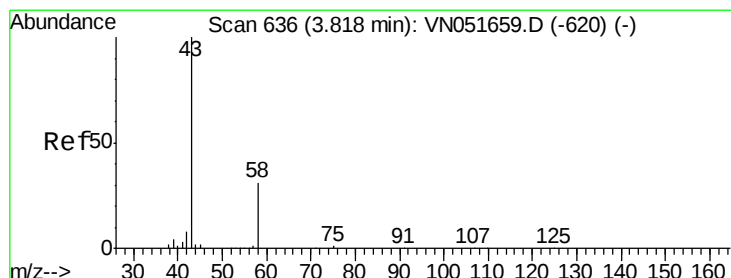
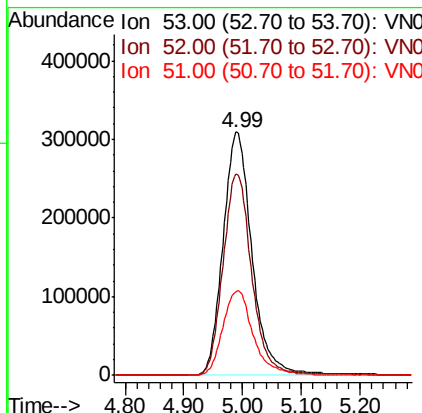
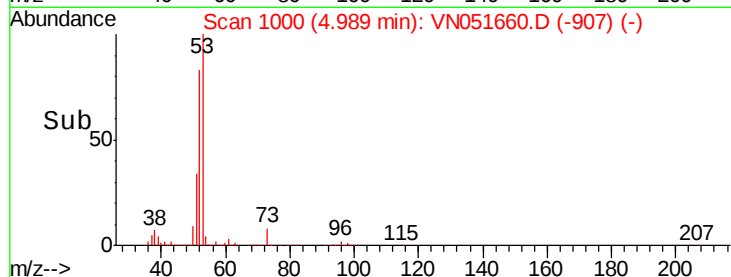
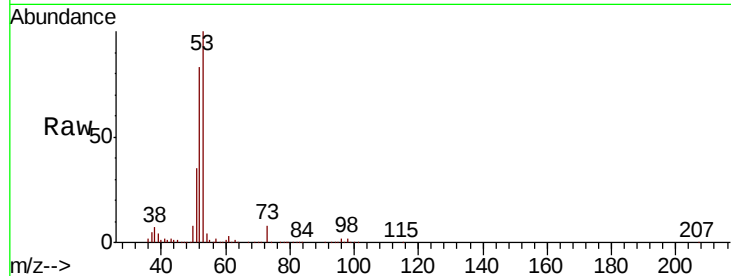
51 36.6 30.3 45.5

Manual Integrations

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#16

Acetone

Concen: 432.780 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051660.D

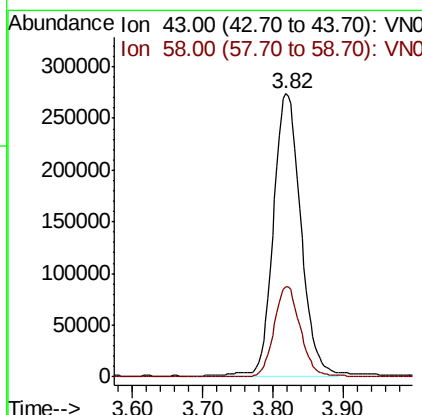
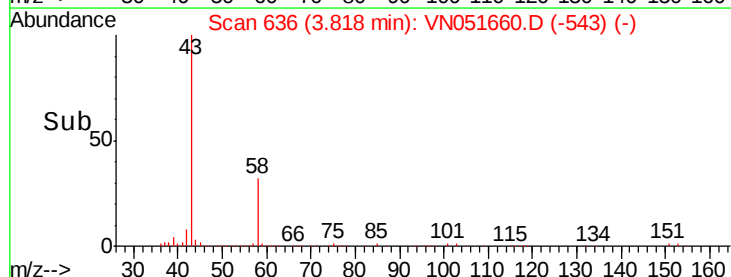
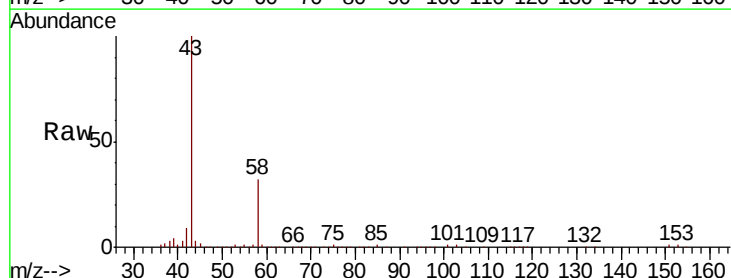
Acq: 4 Oct 2018 12:05

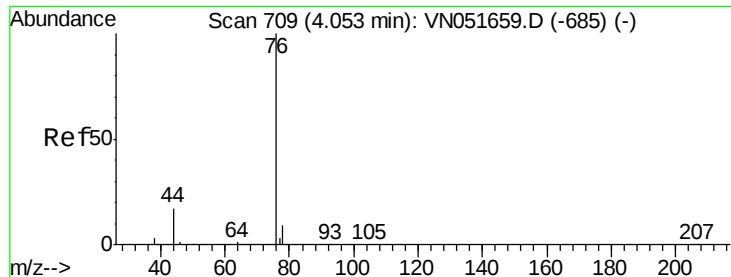
Tgt Ion: 43 Resp: 740038

Ion Ratio Lower Upper

43 100

58 31.9 24.3 36.5





#17

Carbon Disulfide

Concen: 92.691 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1855712

Ion Ratio Lower Upper

76 100

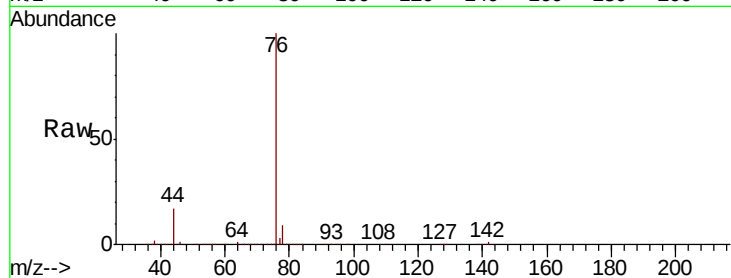
78 9.0 7.2 10.8

Manual Integrations

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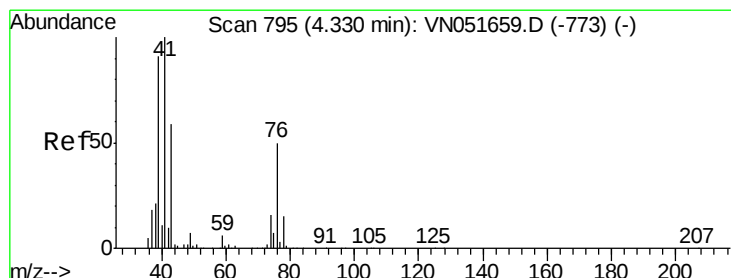
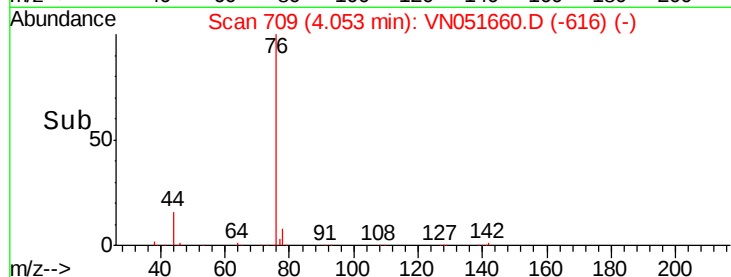
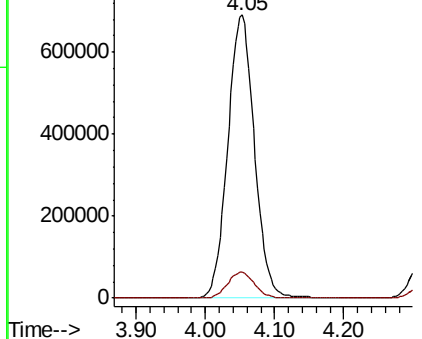
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Abundance Ion 75.90 (75.60 to 76.60): VN051660.D (-616) (-)

Ion 77.90 (77.60 to 78.60): VN051660.D (-616) (-)



#18

Methyl Acetate

Concen: 95.401 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051660.D

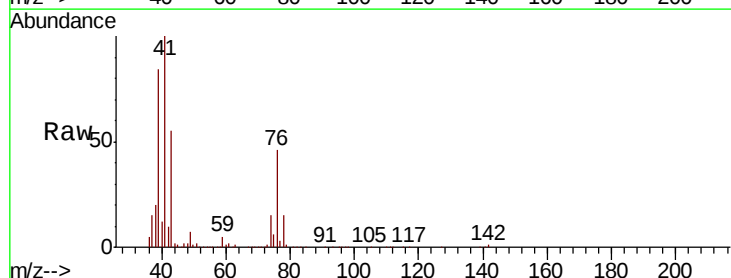
Acq: 4 Oct 2018 12:05

Tgt Ion: 43 Resp: 491985

Ion Ratio Lower Upper

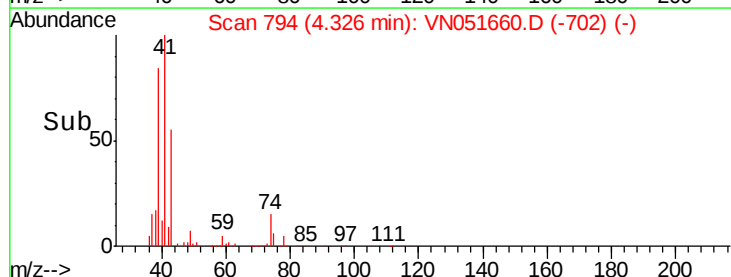
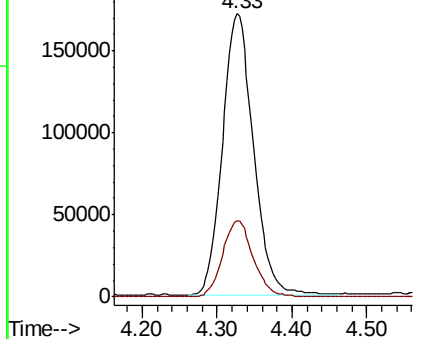
43 100

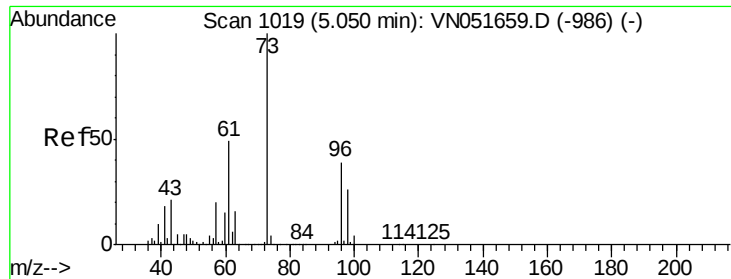
74 26.9 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN051660.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN051660.D (-702) (-)





#19

Methyl tert-butyl Ether

Concen: 93.688 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Tot Ion: 73 Resp: 2036813

Ion Ratio Lower Upper

73 100

57 19.9 15.6 23.4

Instrument :

MSVOA_N

ClientSampled :

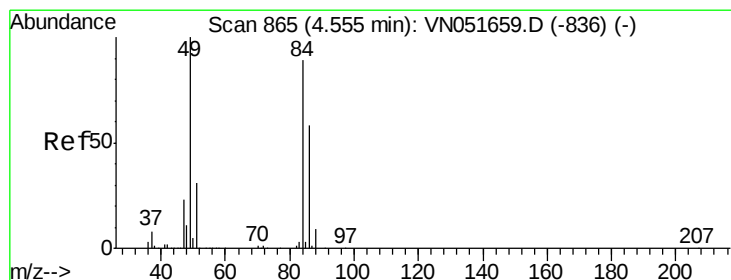
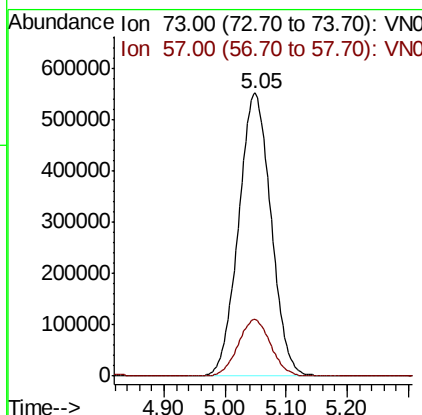
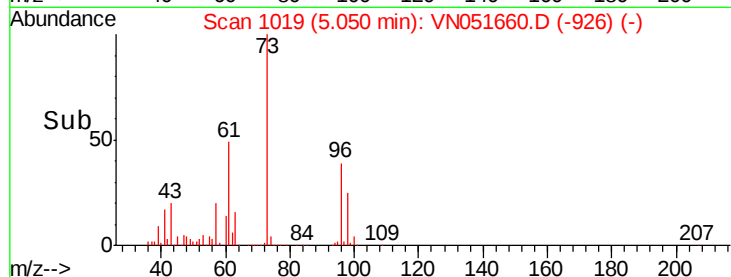
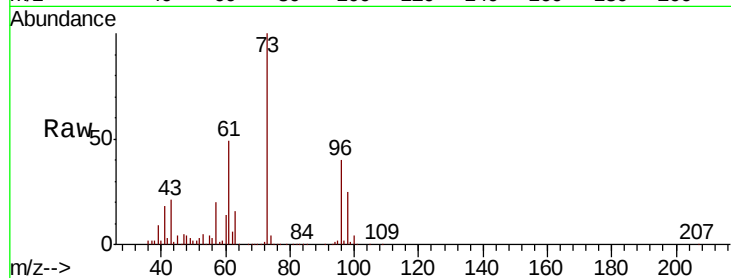
VSTDIC100

Manual Integrations

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#20

Methylene Chloride

Concen: 93.804 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Tgt Ion: 84 Resp: 721074

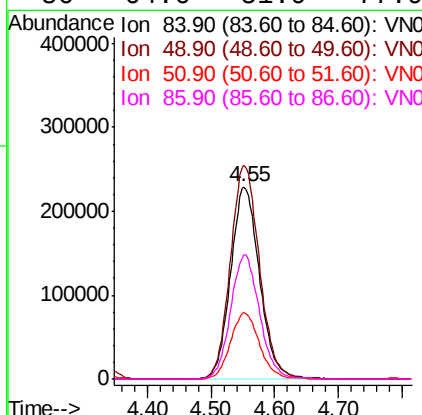
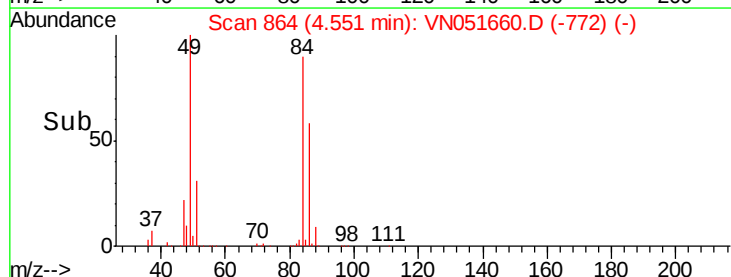
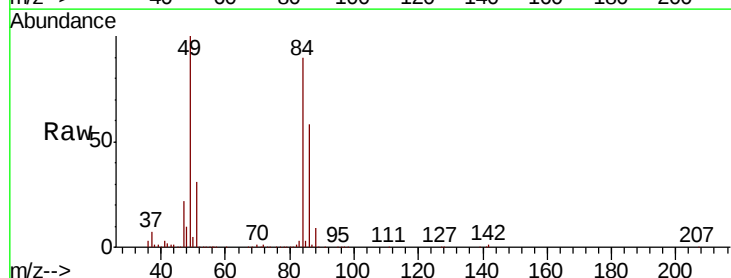
Ion Ratio Lower Upper

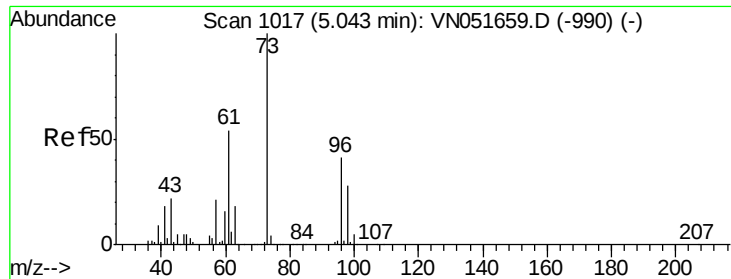
84 100

49 111.0 89.5 134.3

51 34.4 27.4 41.0

86 64.6 51.9 77.9





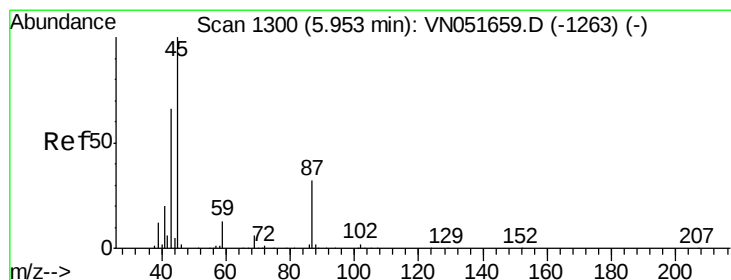
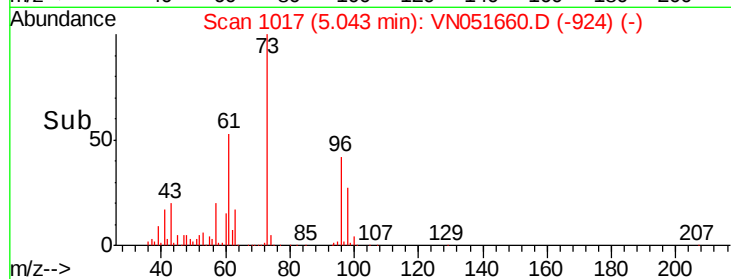
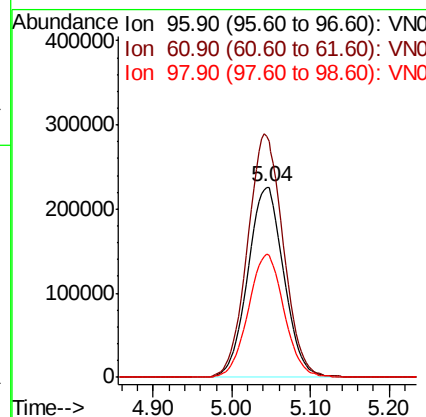
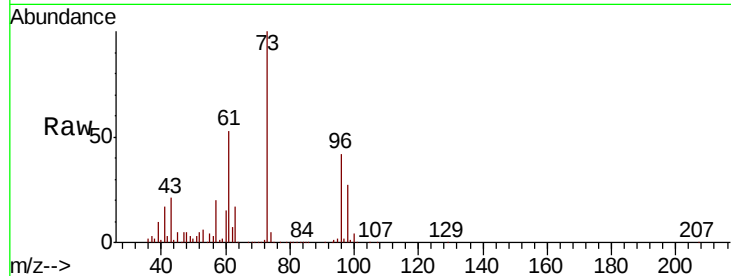
#21
trans-1,2-Dichloroethene
Concen: 93.546 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.1	104.7	157.1
98	64.5	54.6	82.0

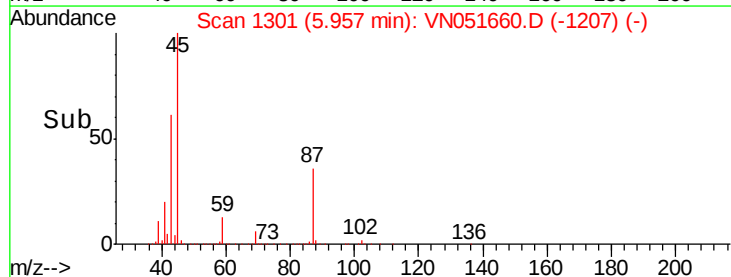
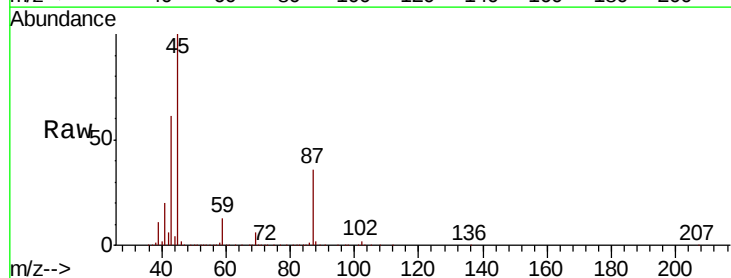
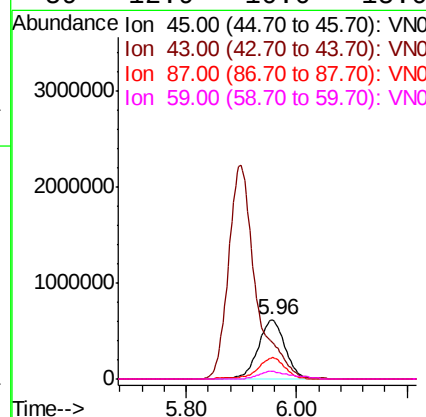
Manual Integrations
APPROVED

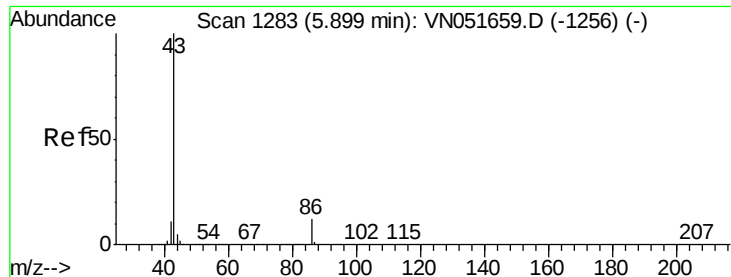
MMDadoda
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#22
Diisopropyl ether
Concen: 96.476 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.2	53.0	79.4
87	35.8	26.4	39.6
59	12.9	10.0	15.0





#23

Vinyl Acetate

Concen: 480.325 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 7605229

Ion Ratio Lower Upper

43 100

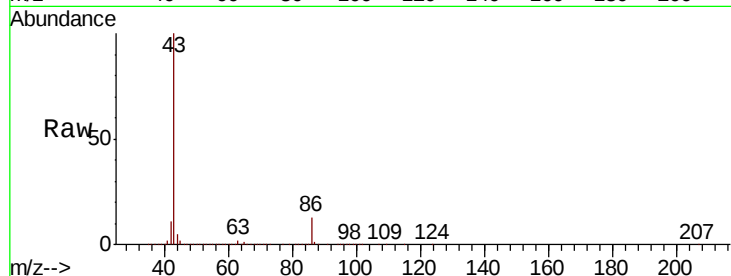
86 12.6 9.3 13.9

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

2500000

2000000

1500000

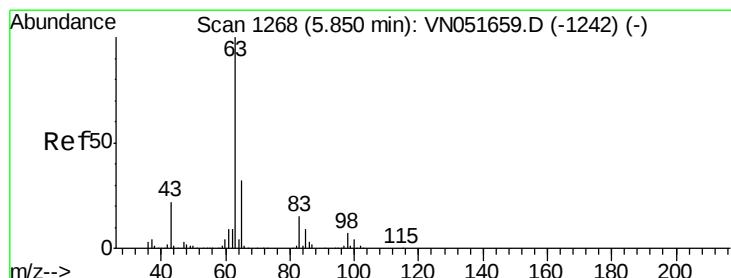
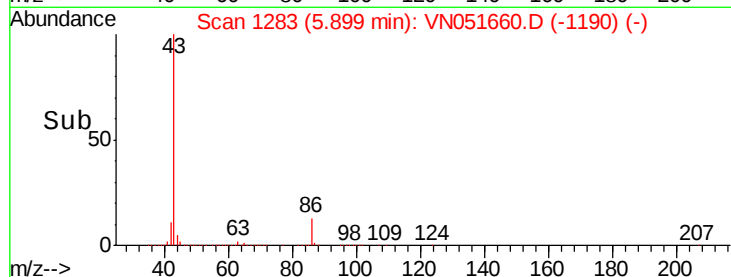
1000000

500000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 94.329 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

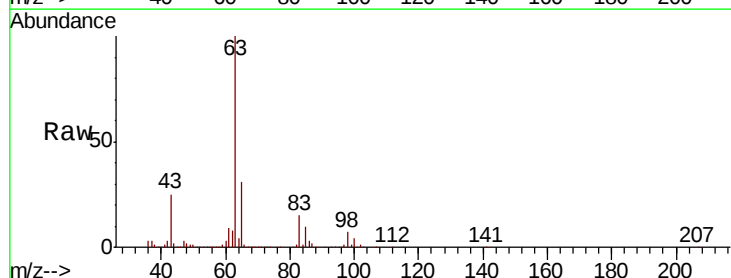
Tgt Ion: 63 Resp: 1306387

Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.9

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

500000

400000

300000

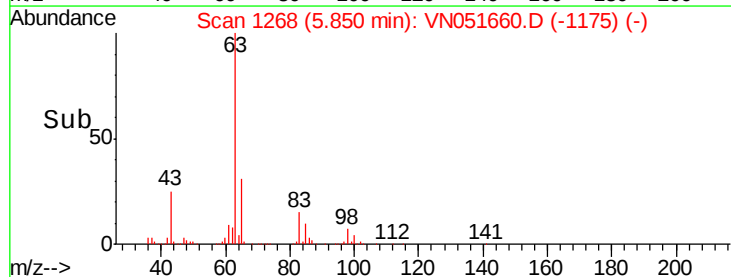
200000

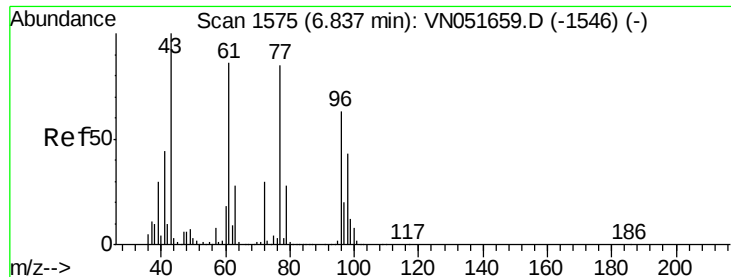
100000

0

Time-->

5.70 5.80 5.90 6.00





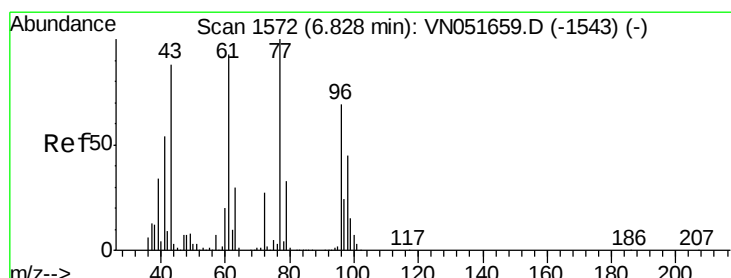
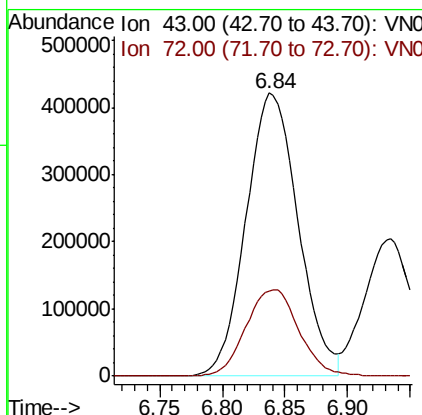
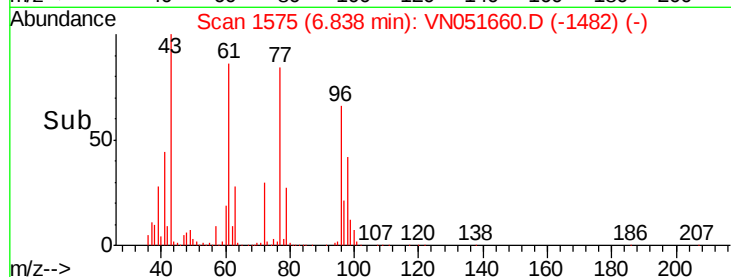
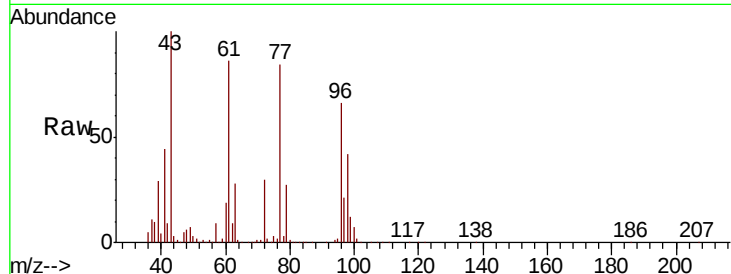
#25
2-Butanone
Concen: 448.099 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1208954
Ion Ratio Lower Upper
43 100
72 30.1 24.2 36.2

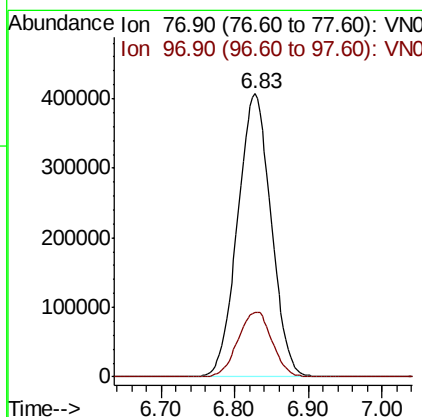
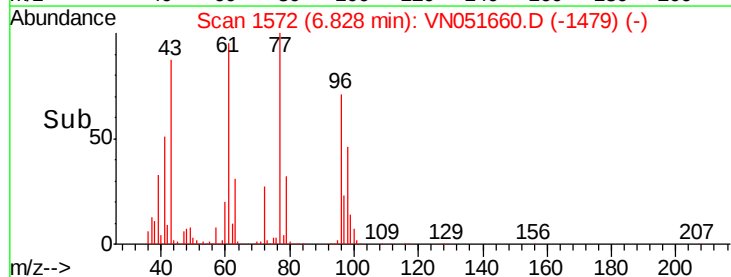
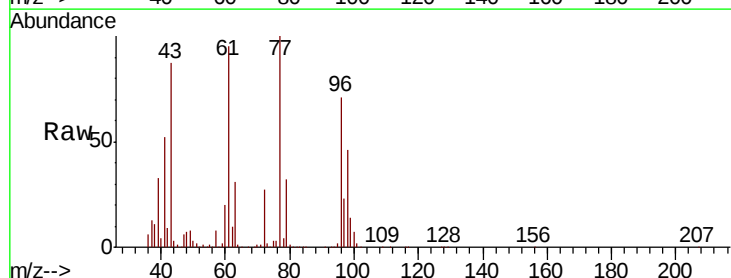
Manual Integrations
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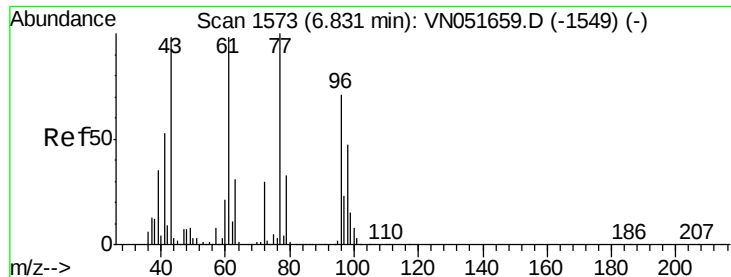
MMDadoda
10/8/2018 1:53:09 PM



#26
2,2-Dichloropropane
Concen: 92.743 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Tgt Ion: 77 Resp: 1287128
Ion Ratio Lower Upper
77 100
97 23.5 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 93.725 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

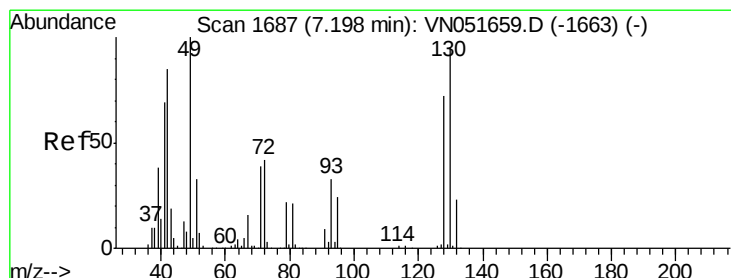
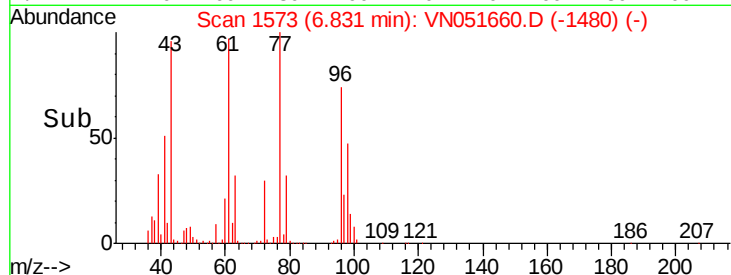
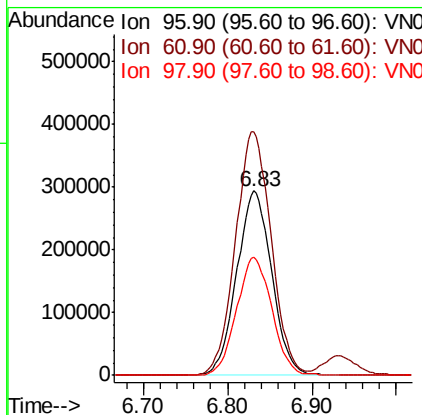
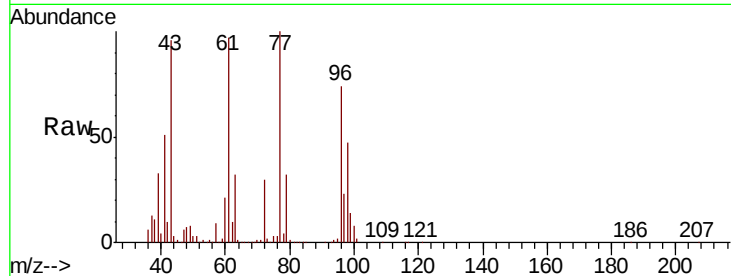
ClientSampled :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.8	0.0	275.4
98	64.3	0.0	129.6

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



#28

Bromochloromethane

Concen: 95.420 ug/l

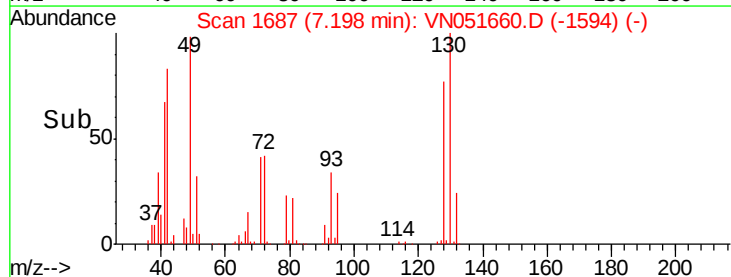
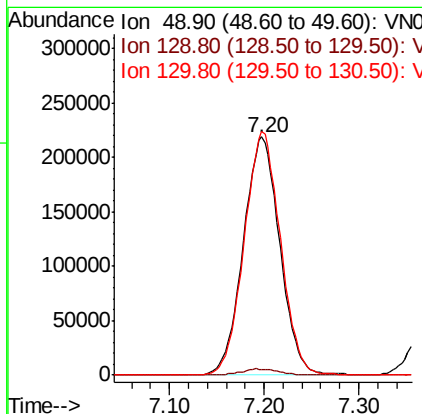
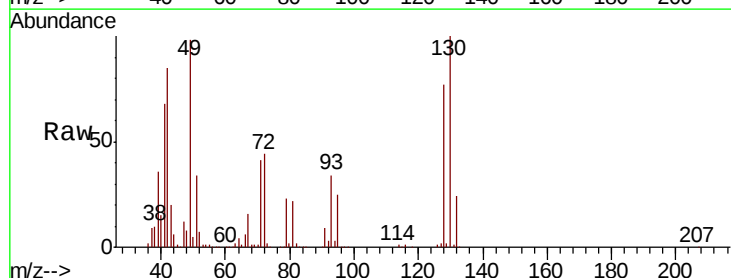
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.8
130	101.3	75.7	113.5





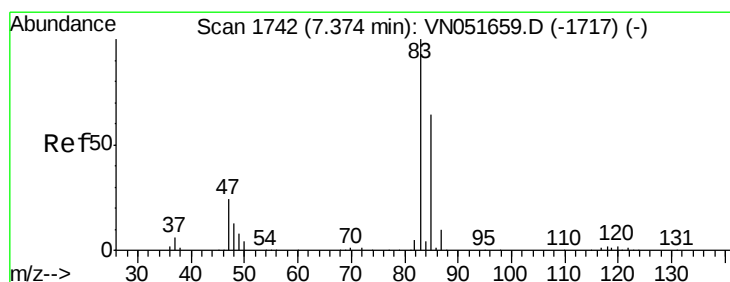
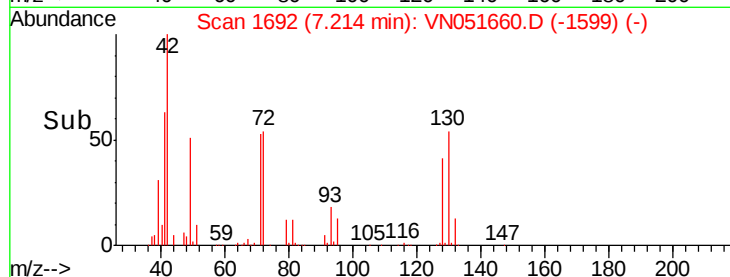
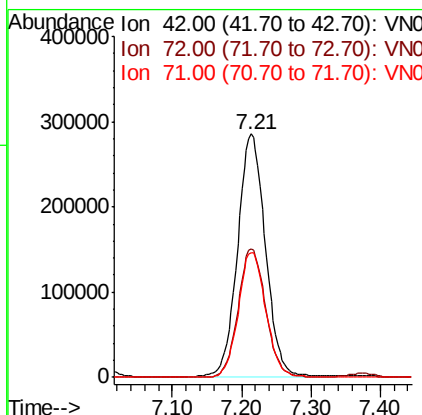
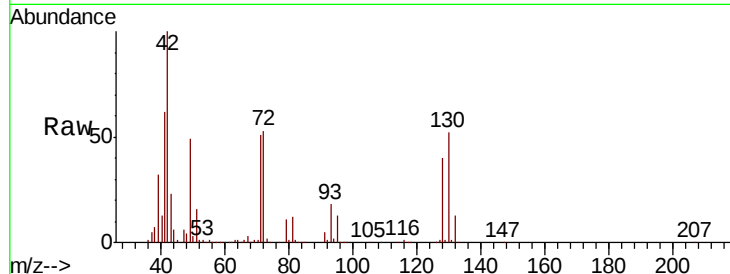
#29
Tetrahydrofuran
Concen: 480.420 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.3	40.1	60.1
71	51.0	38.0	57.0

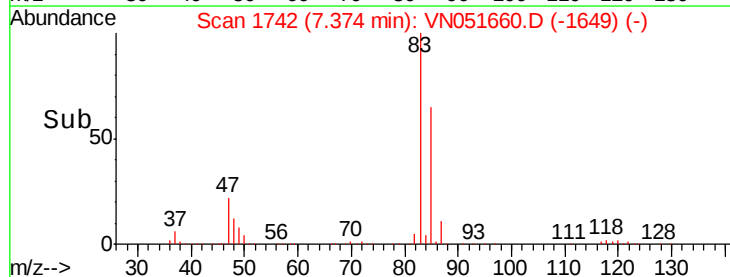
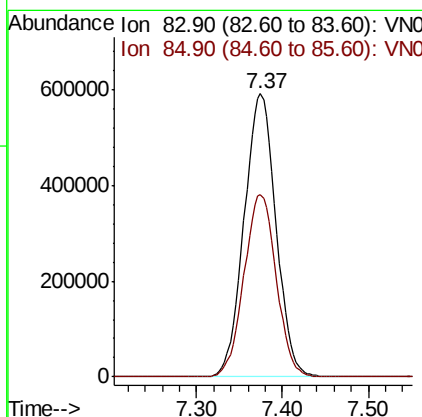
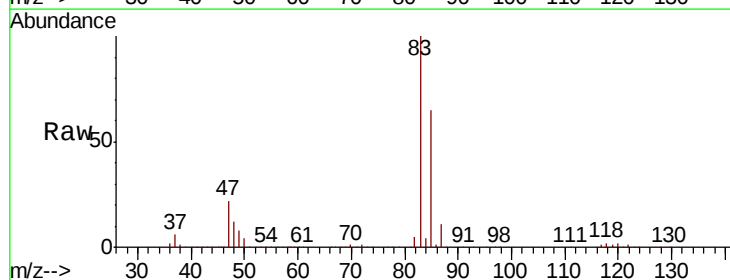
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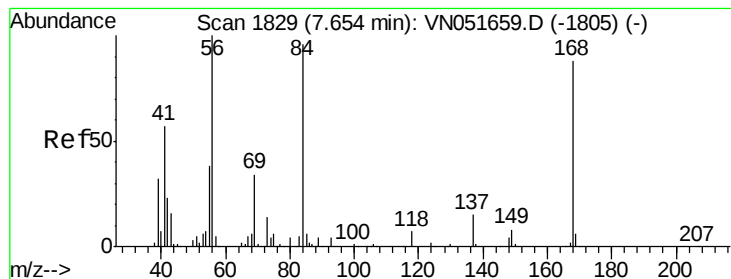
MMDadoda
10/8/2018 1:53:09 PM



#30
Chloroform
Concen: 97.740 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.6	77.4





#31

Cyclohexane

Concen: 92.209 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 1169524

Ion Ratio Lower Upper

56 100

69 35.3 27.5 41.3

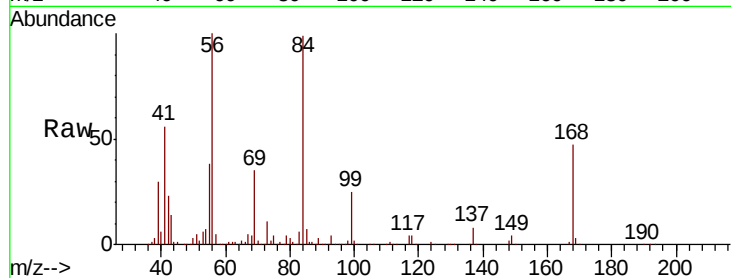
84 97.1 76.7 115.1

Manual Integrations

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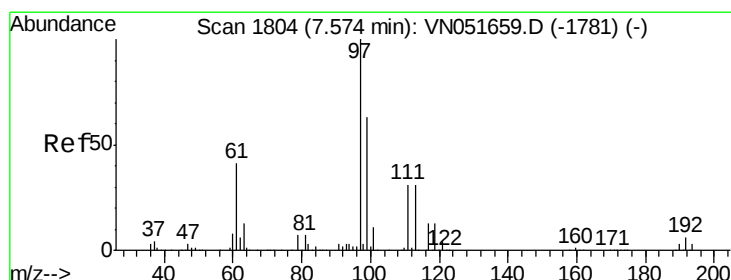
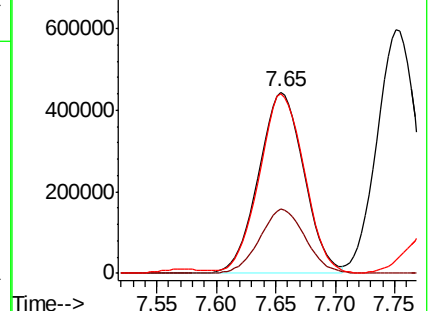
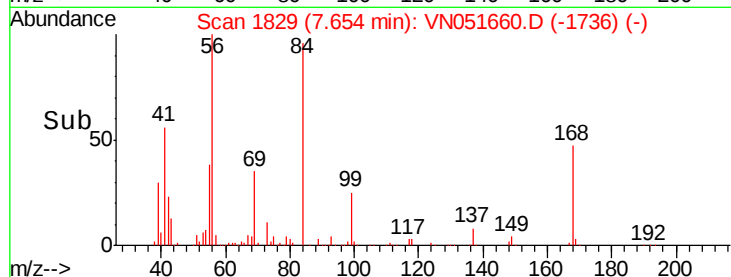
10/8/2018 1:53:09 PM



Abundance Ion 56.00 (55.70 to 56.70): VN051660.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN051660.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN051660.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 98.732 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

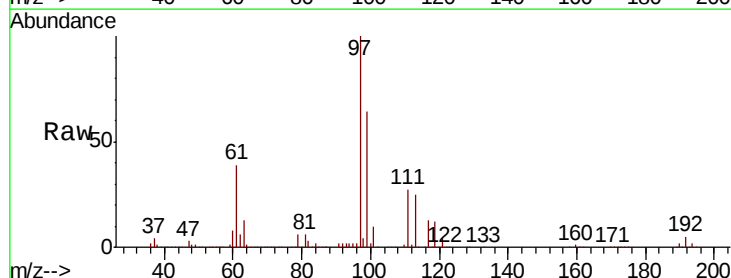
Tgt Ion: 97 Resp: 1489121

Ion Ratio Lower Upper

97 100

99 64.1 51.9 77.9

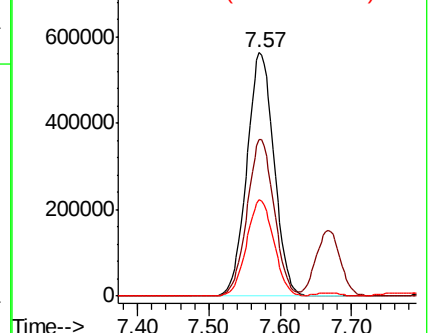
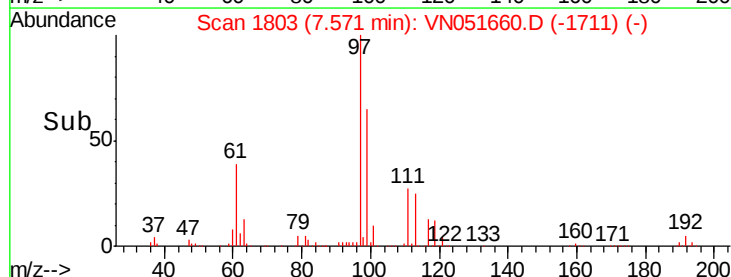
61 39.9 33.4 50.0

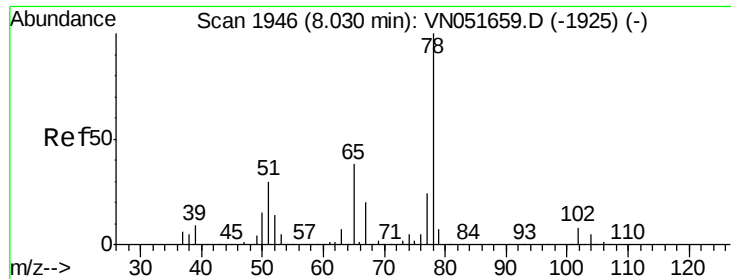


Abundance Ion 96.90 (96.60 to 97.60): VN051660.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN051660.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN051660.D (-1711) (-)





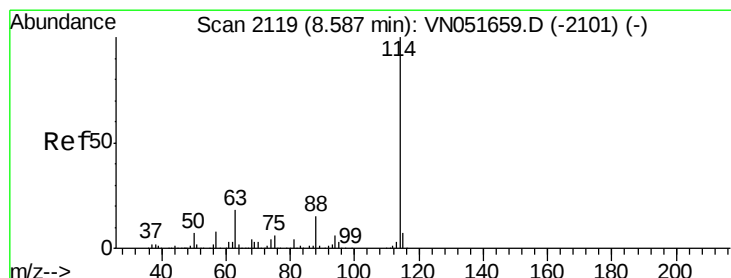
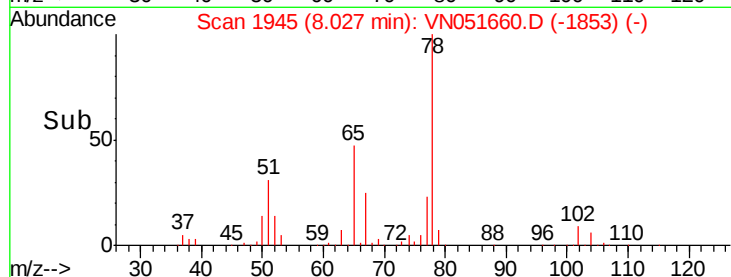
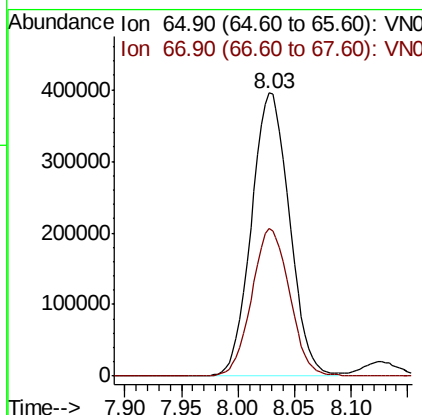
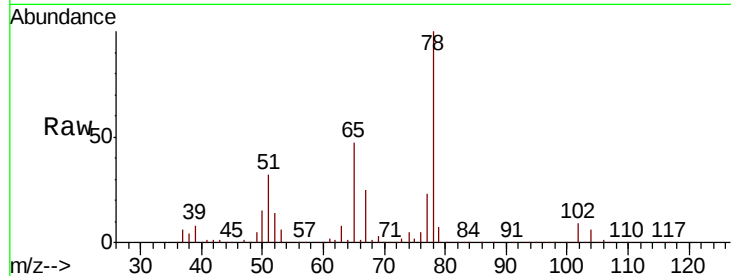
#33
 1,2-Dichloroethane-d4
 Concen: 98.732 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051660.D
 Acq: 4 Oct 2018 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	923884		
67	51.7	0.0	103.6	

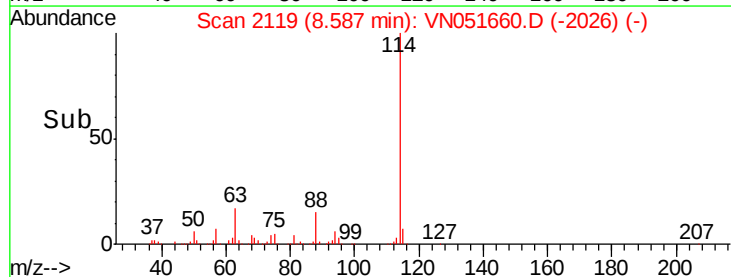
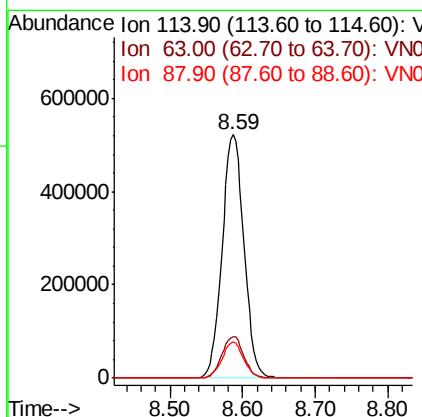
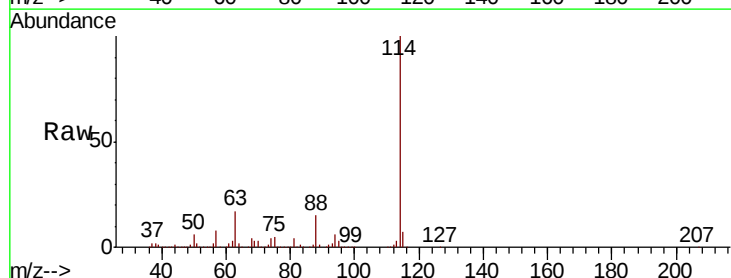
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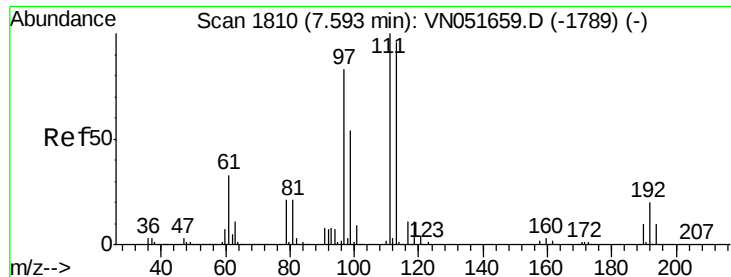
MMDadoda
 10/8/2018 1:53:09 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051660.D
 Acq: 4 Oct 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1089626		
63	17.2	0.0	36.2	
88	14.8	0.0	30.2	





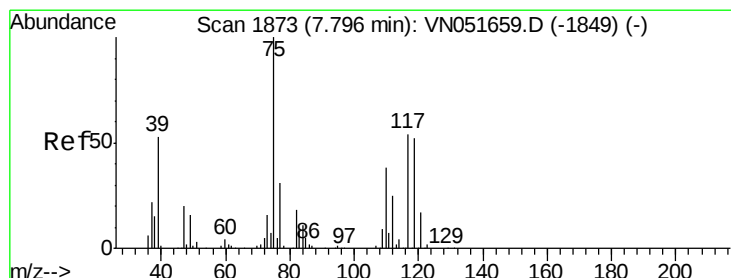
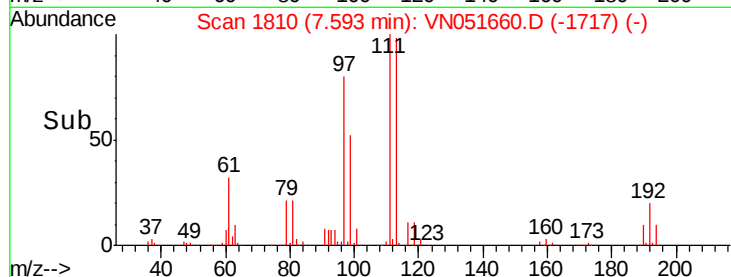
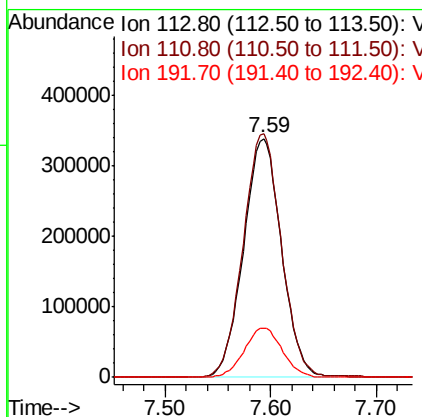
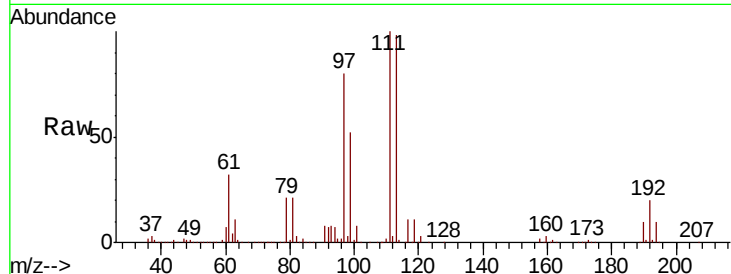
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051660.D
 Acq: 4 Oct 2018 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	846576		
111	102.8	81.8	122.8	
192	20.8	16.5	24.7	

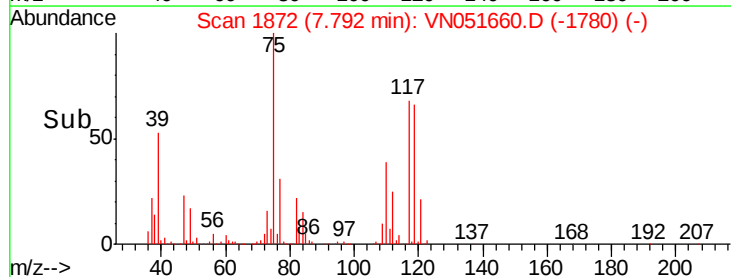
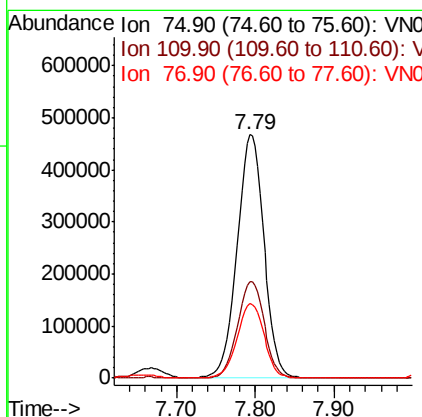
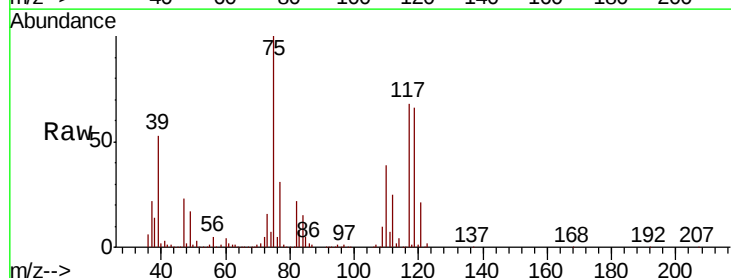
Manual Integrations
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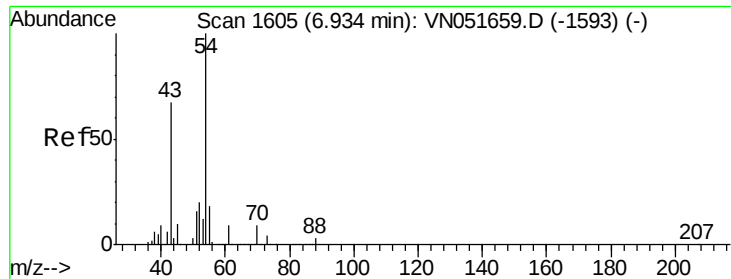
MMDadoda
 10/8/2018 1:53:09 PM



#36
 1,1-Dichloropropene
 Concen: 98.140 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051660.D
 Acq: 4 Oct 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1117744		
110	39.6	19.3	57.8	
77	30.8	24.7	37.1	





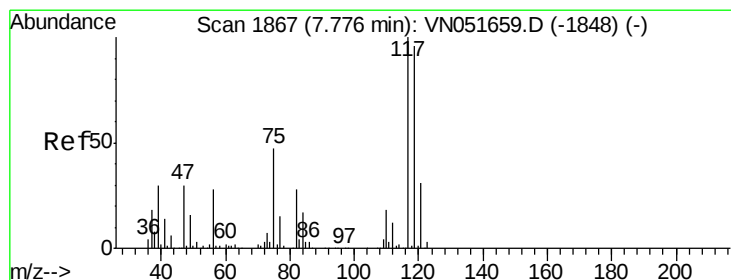
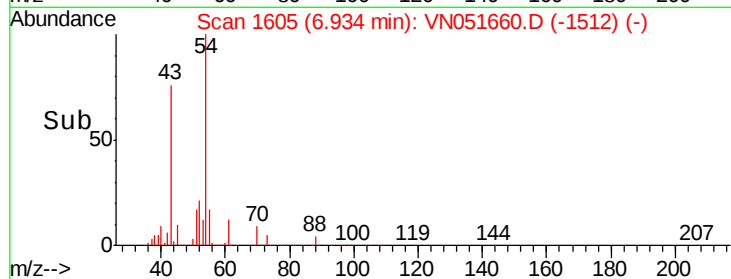
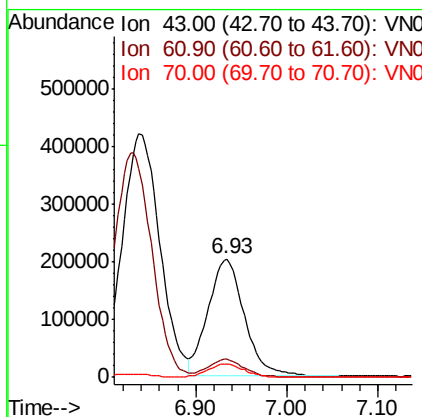
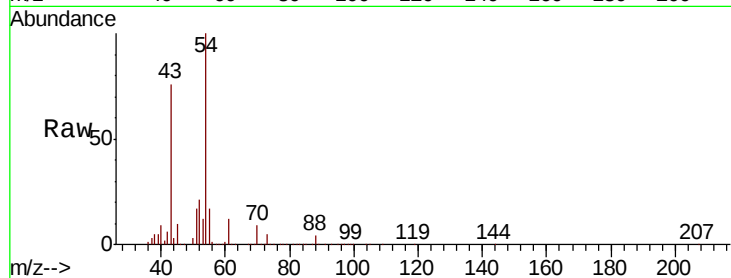
#37
Ethyl Acetate
Concen: 95.347 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.6
70	10.7	8.7	13.1

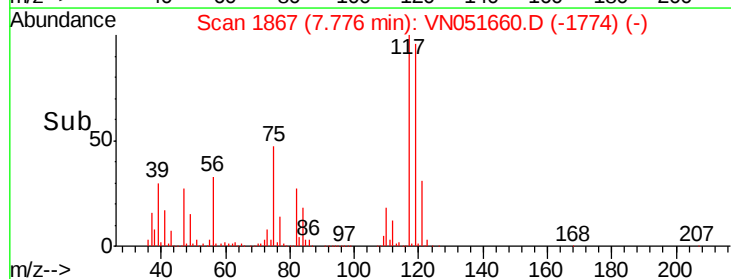
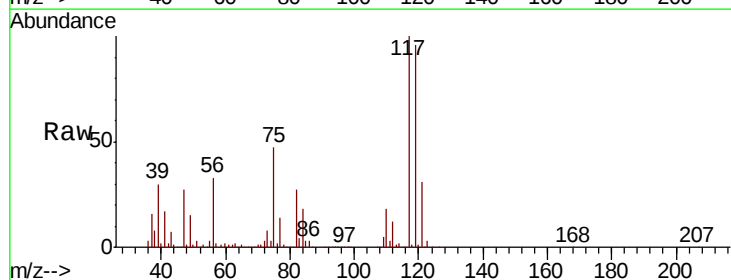
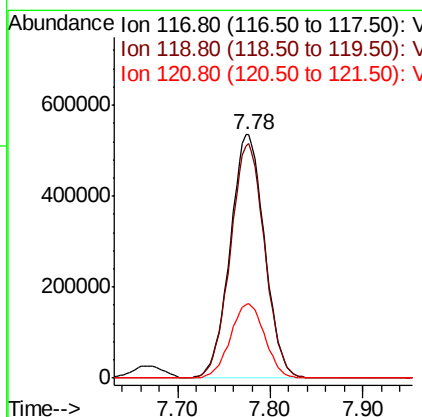
Manual Integrations
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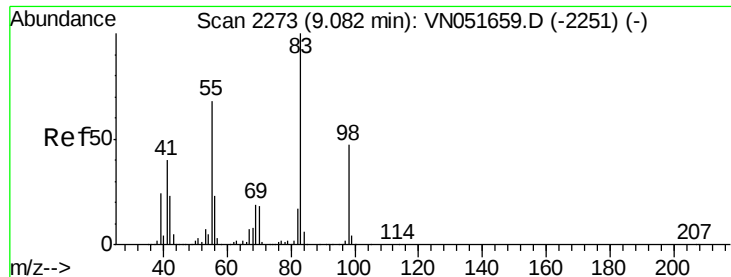
MMDadoda
10/8/2018 1:53:09 PM



#38
Carbon Tetrachloride
Concen: 100.258 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.0	115.6
121	30.6	25.0	37.6





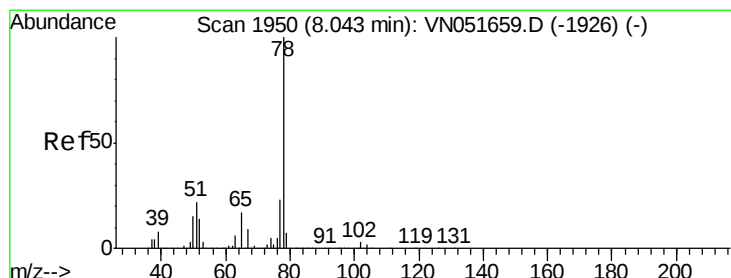
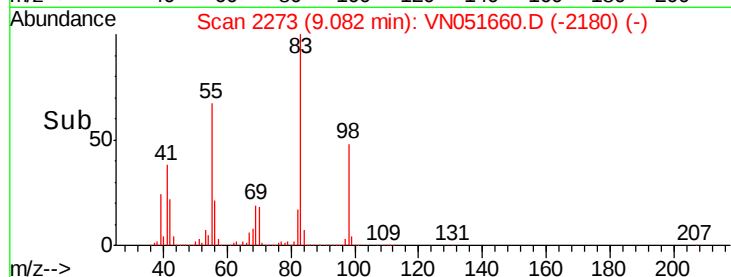
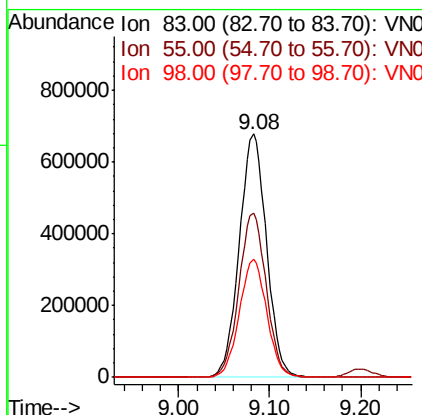
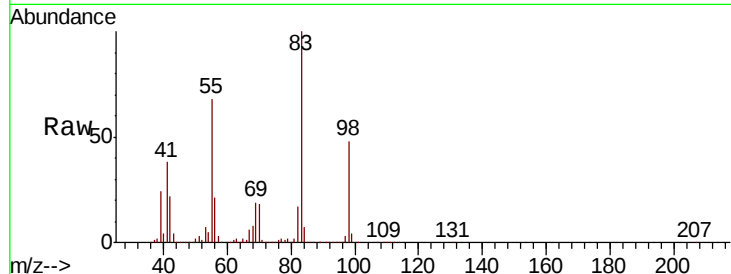
#39
Methvlcvclohexane
Concen: 98.592 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 83 Resp: 1409542
Ion Ratio Lower Upper
83 100
55 67.4 54.3 81.5
98 48.3 37.4 56.2

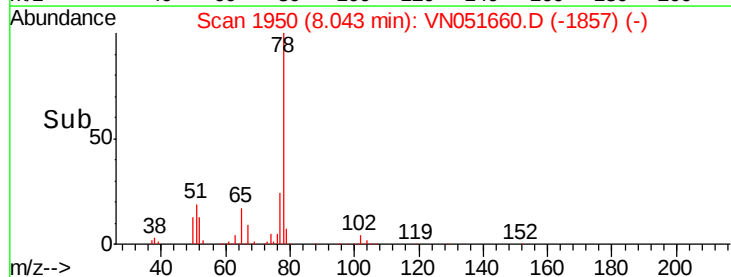
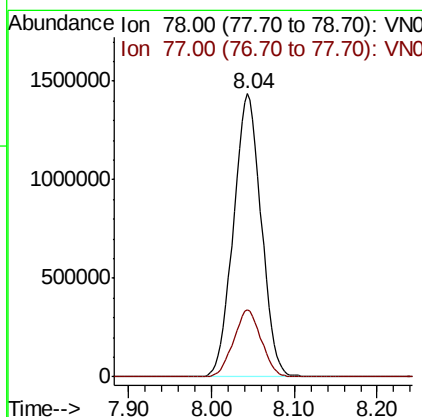
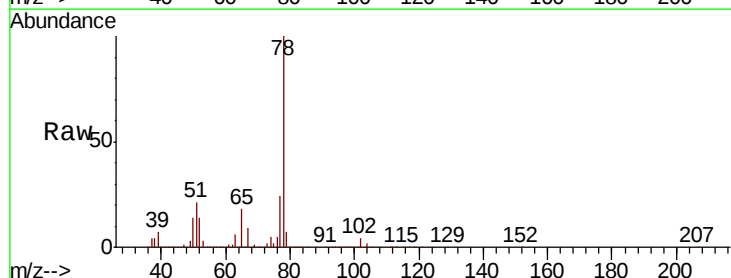
Manual Integrations
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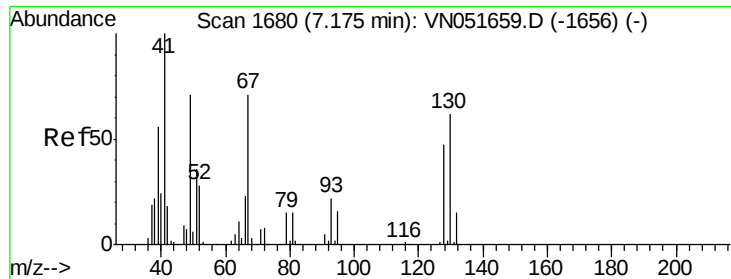
MMDadoda
10/8/2018 1:53:09 PM



#40
Benzene
Concen: 99.062 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Tgt Ion: 78 Resp: 3344648
Ion Ratio Lower Upper
78 100
77 23.8 18.5 27.7





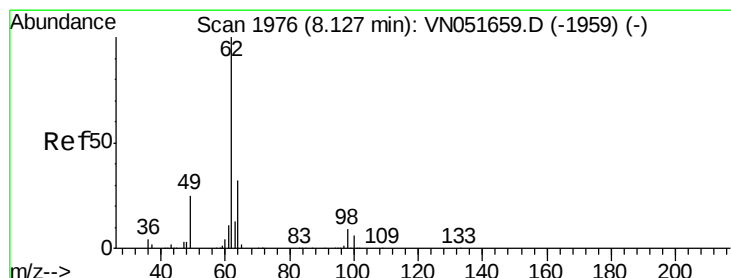
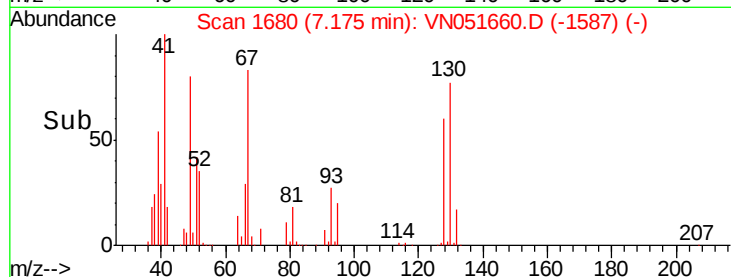
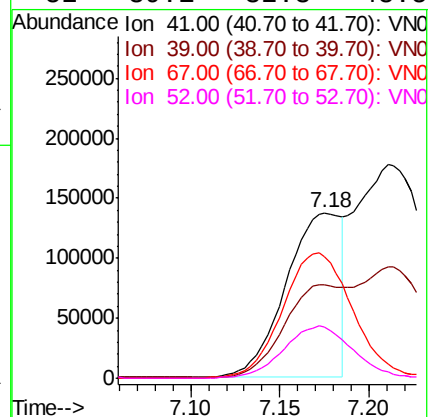
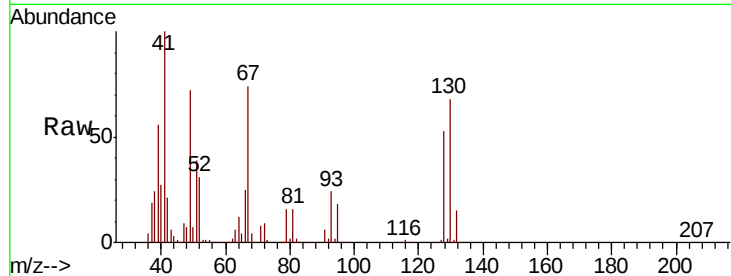
#41
Methacrylonitrile
Concen: 90.764 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	41	Resp	296050
Ion Ratio	Lower	Upper	
41	100		
39	57.5	53.9	80.9
67	96.1	78.1	117.1
52	39.1	32.3	48.5

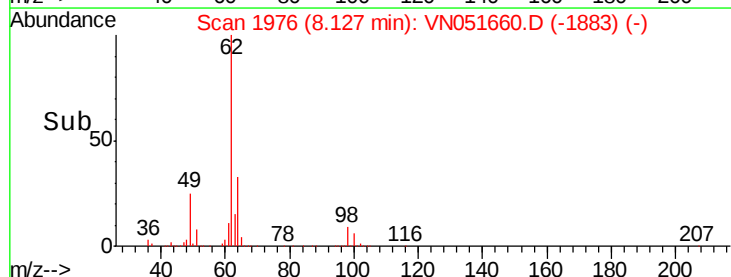
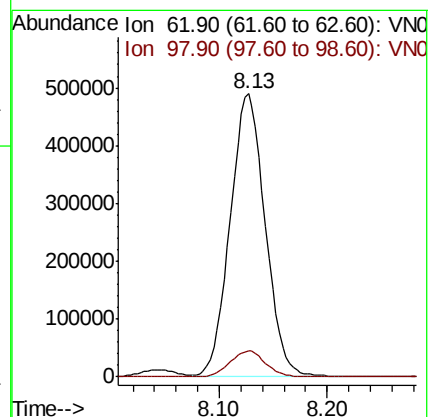
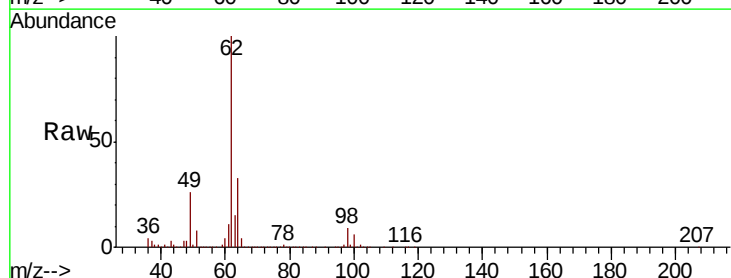
Manual Integrations
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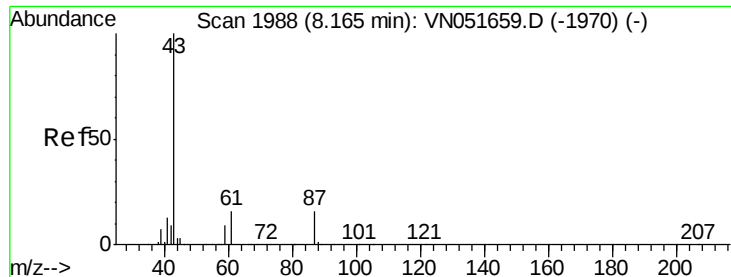
MMDadoda
10/8/2018 1:53:09 PM



#42
1,2-Dichloroethane
Concen: 96.954 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Tgt Ion	62	Resp	1103191
Ion Ratio	Lower	Upper	
62	100		
98	9.1	0.0	18.4





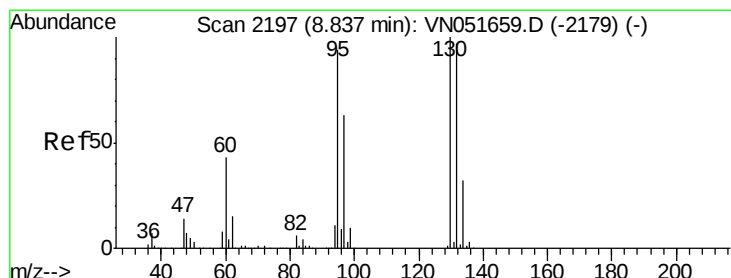
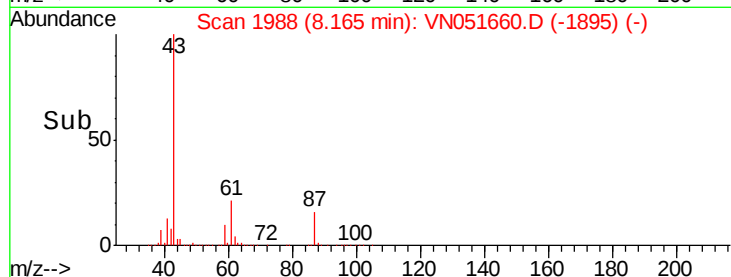
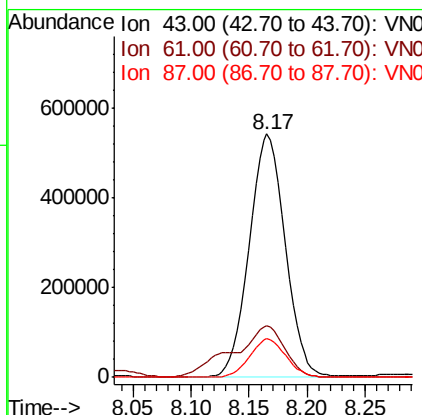
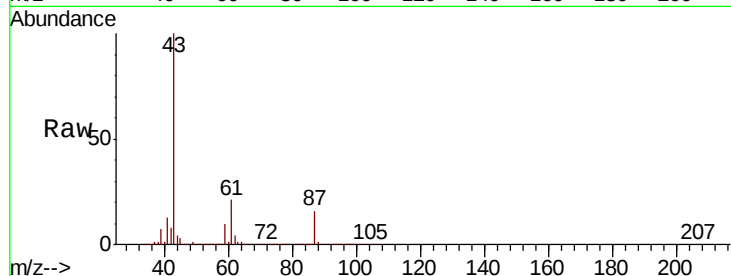
#43
Isopropyl Acetate
Concen: 94.385 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.8	23.6
87	16.1	12.6	19.0

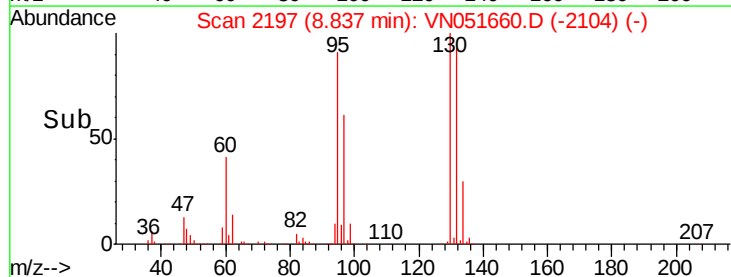
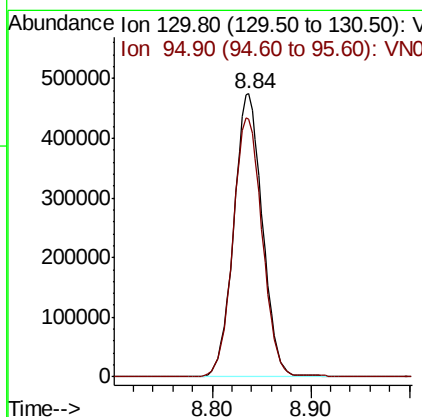
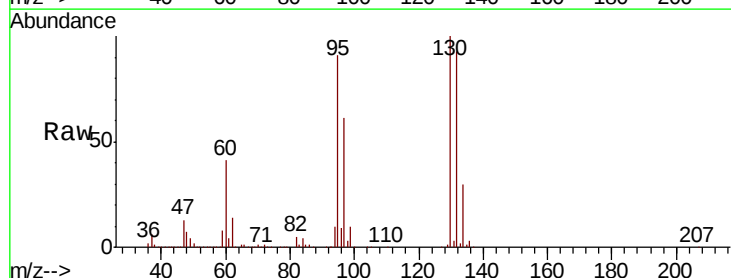
Manual Integrations
APPROVED

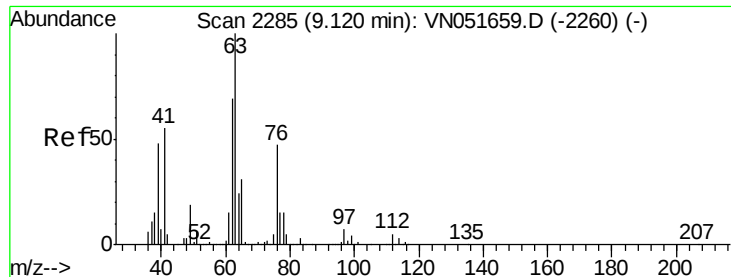
MMDadoda
10/8/2018 1:53:09 PM



#44
Trichloroethene
Concen: 99.647 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	188.0





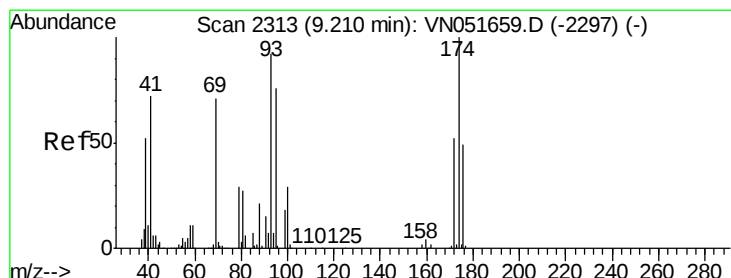
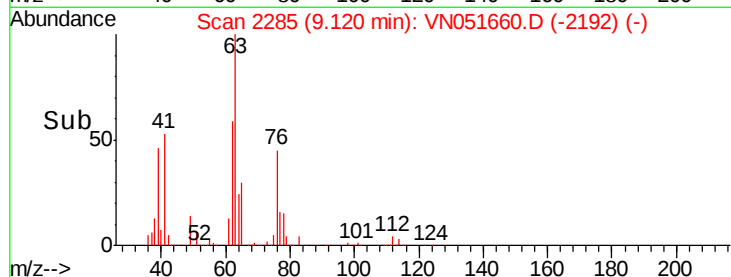
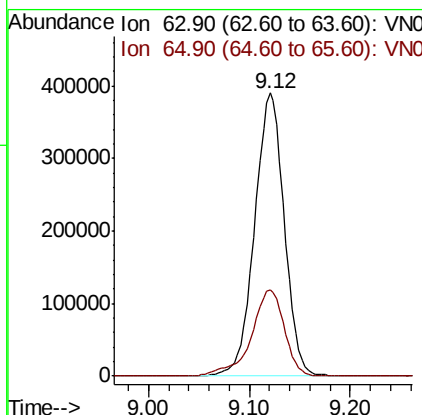
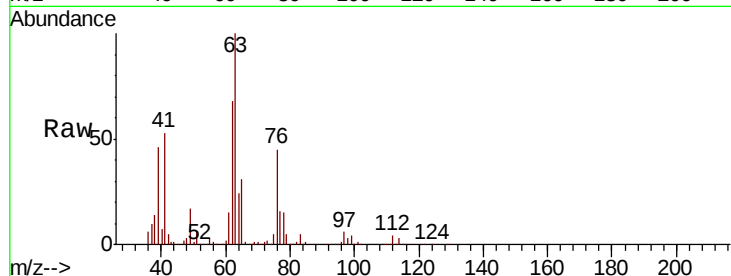
#45
 1,2-Dichloropropane
 Concen: 95.004 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051660.D
 Acq: 4 Oct 2018 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.0	37.4

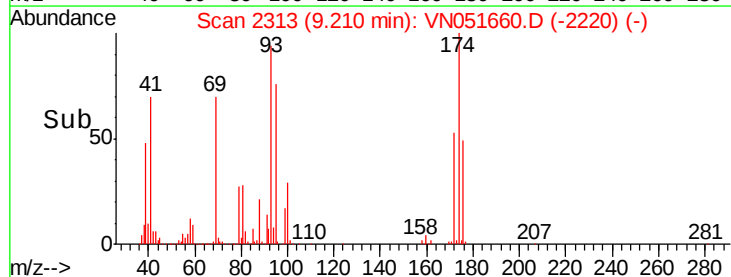
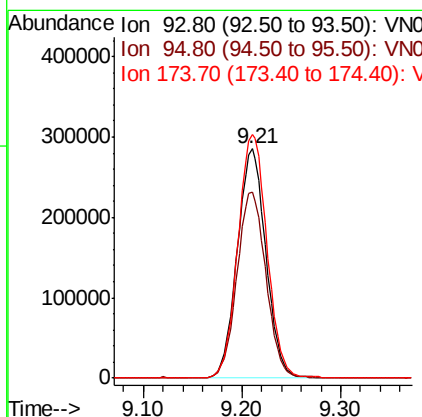
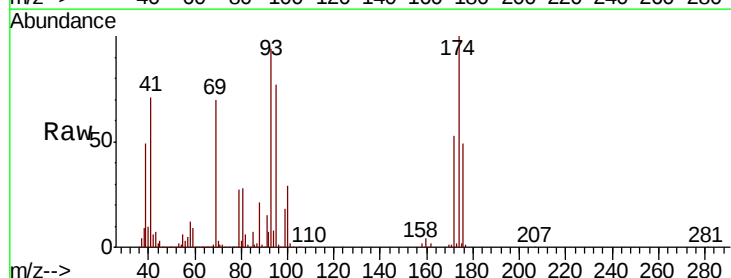
Manual Integrations
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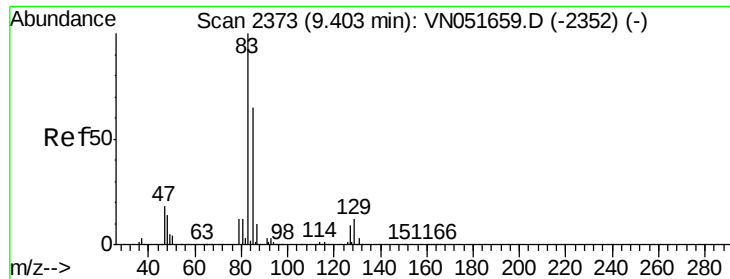
MMDadoda
 10/8/2018 1:53:09 PM



#46
 Dibromomethane
 Concen: 99.027 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051660.D
 Acq: 4 Oct 2018 12:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	66.6	100.0
174	107.7	85.9	128.9





#47

Bromodichloromethane

Concen: 98.116 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1253231

Ion Ratio Lower Upper

83 100

85 65.4 51.6 77.4

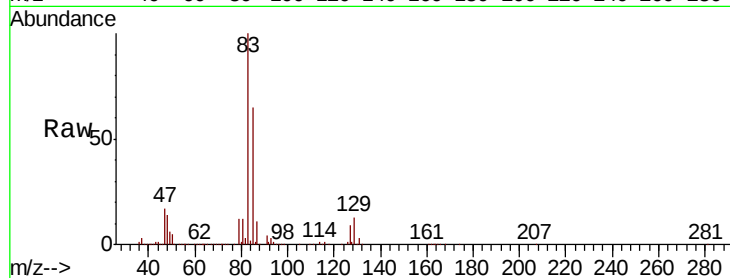
127 9.4 7.3 10.9

Manual Integrations

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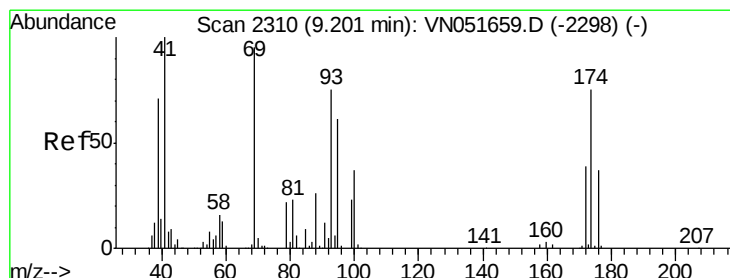
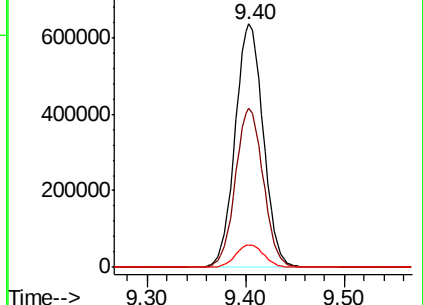
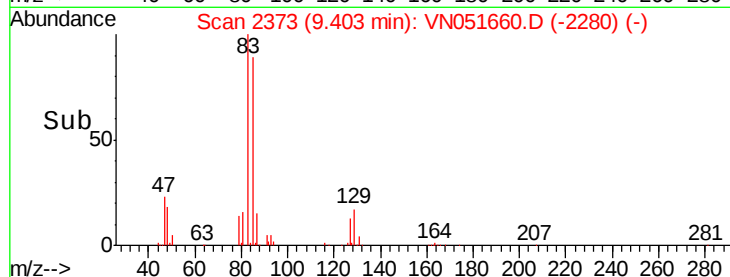


Abundance Ion 82.90 (82.60 to 83.60): VN051660.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051660.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051660.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 95.699 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

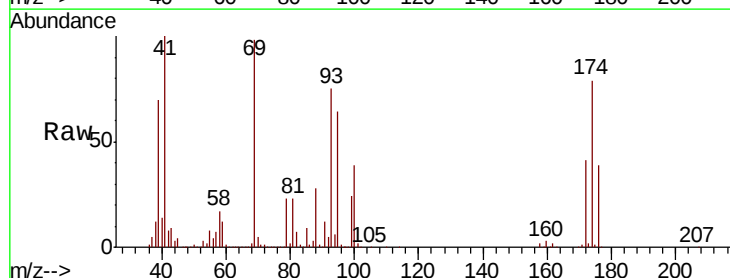
Tgt Ion: 41 Resp: 541565

Ion Ratio Lower Upper

41 100

69 101.8 78.6 118.0

39 71.0 59.2 88.8

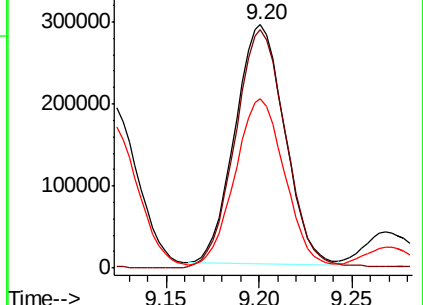
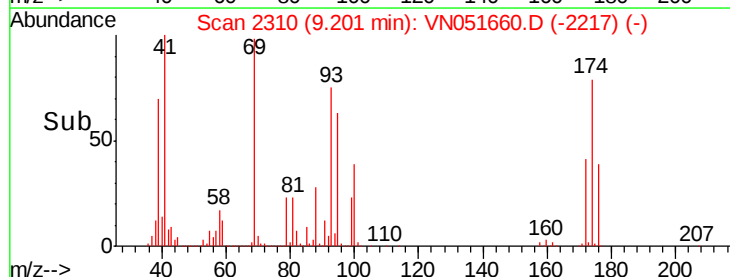


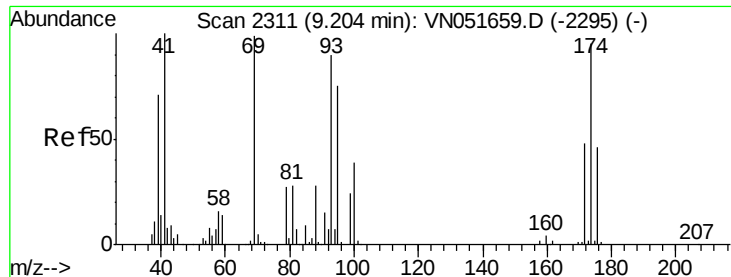
Abundance Ion 41.00 (40.70 to 41.70): VN051660.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051660.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051660.D (-2217) (-)

Time-->





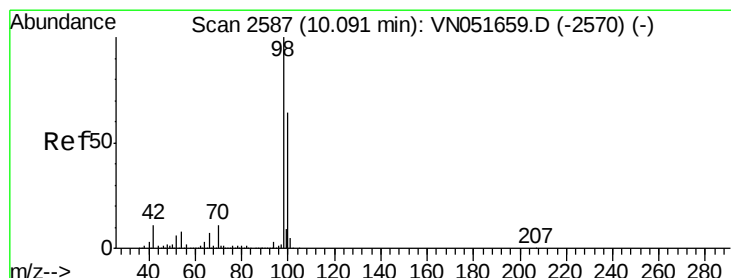
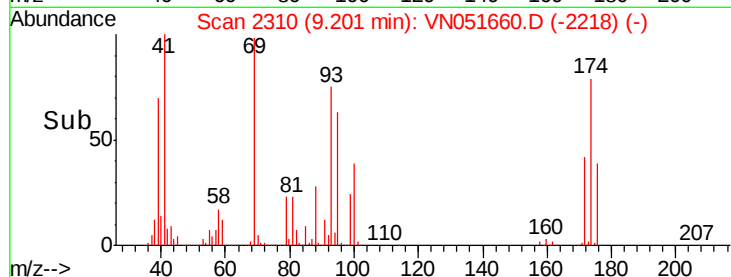
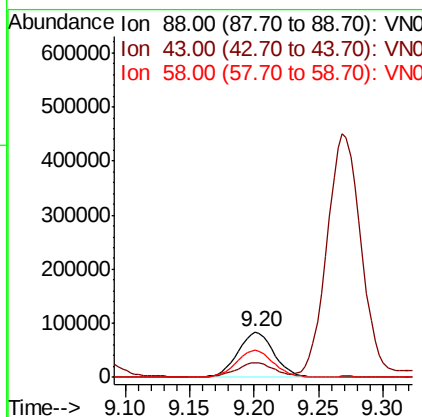
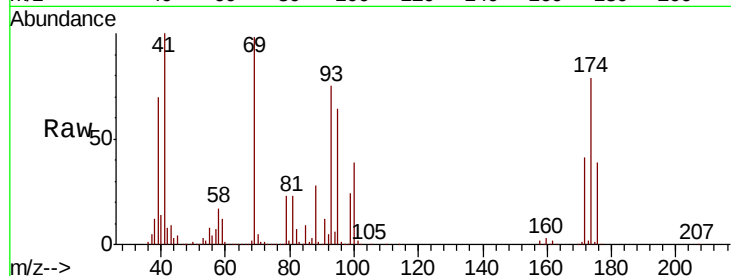
#49
1,4-Dioxane
Concen: 1944.291 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	24.5	36.7
58	61.0	47.6	71.4

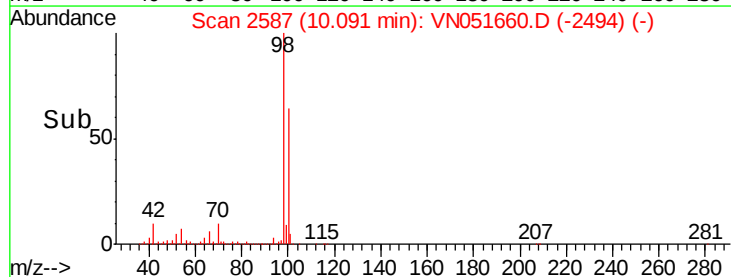
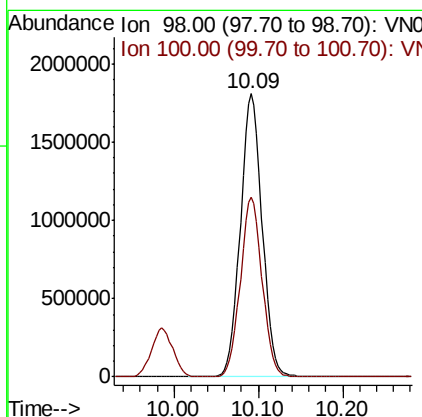
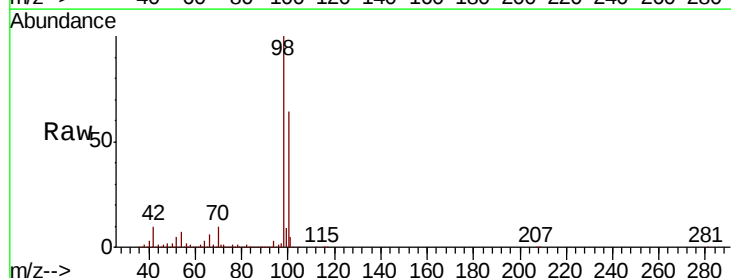
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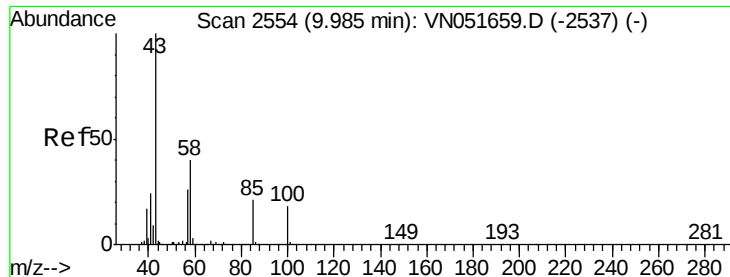
MMDadoda
10/8/2018 1:53:09 PM



#50
Toluene-d8
Concen: 1944.291 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 474.849 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2979967

Ion Ratio Lower Upper

43 100

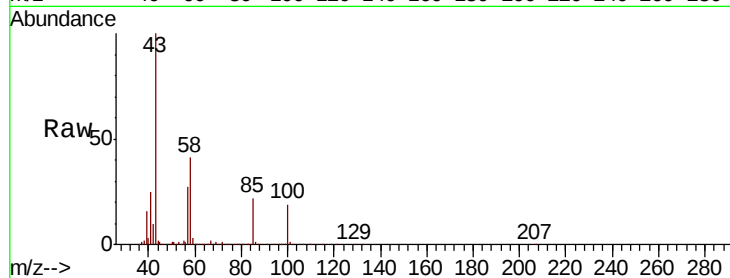
58 41.1 32.2 48.2

Manual Integrations

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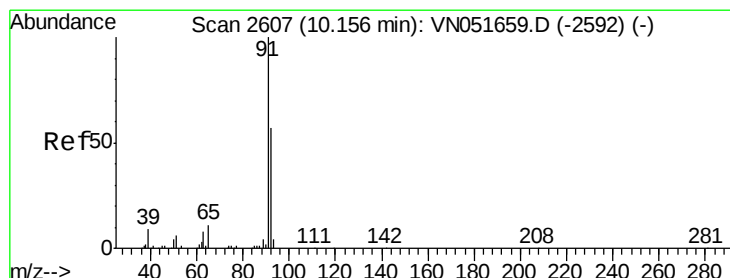
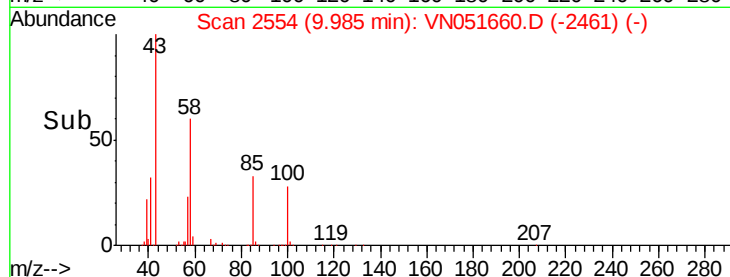
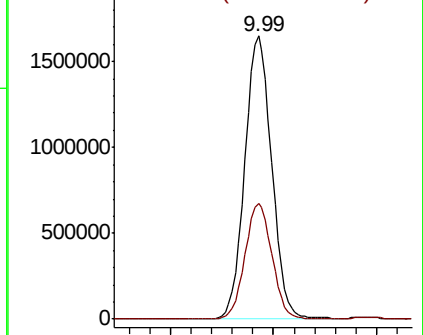
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN051659.D (-2537) (-)



#52

Toluene

Concen: 101.671 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051660.D

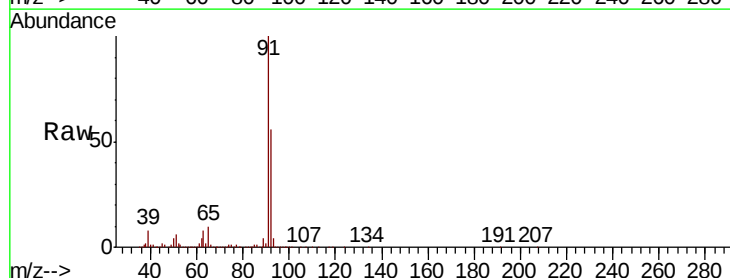
Acq: 4 Oct 2018 12:05

Tgt Ion: 92 Resp: 2283127

Ion Ratio Lower Upper

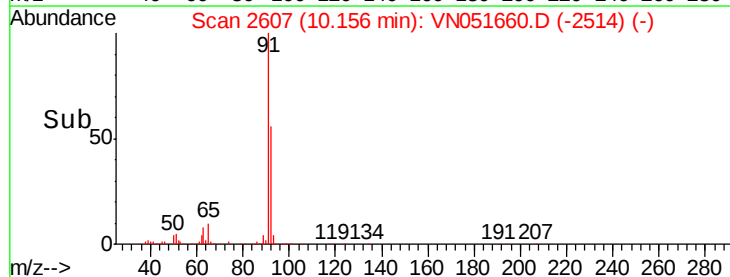
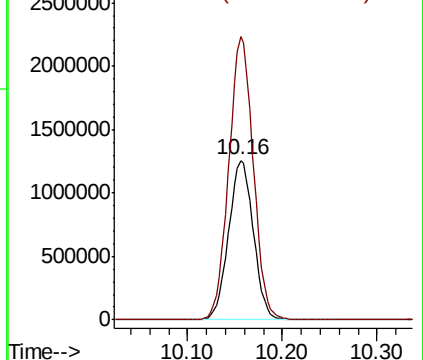
92 100

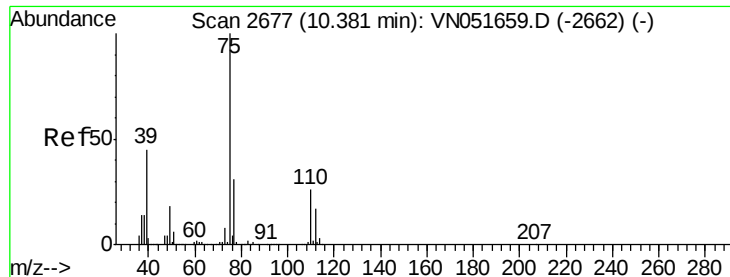
91 175.6 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN051659.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN051659.D (-2592) (-)





#53

t-1,3-Dichloropropene

Concen: 101.094 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 1332401

Ion Ratio Lower Upper

75 100

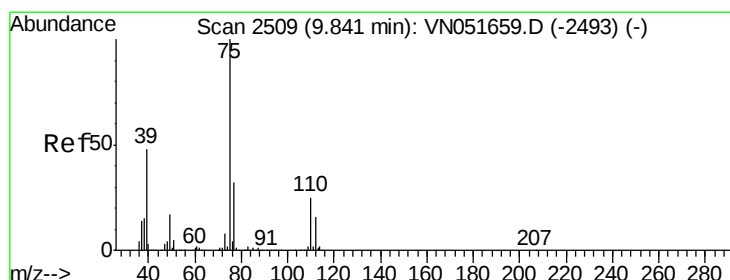
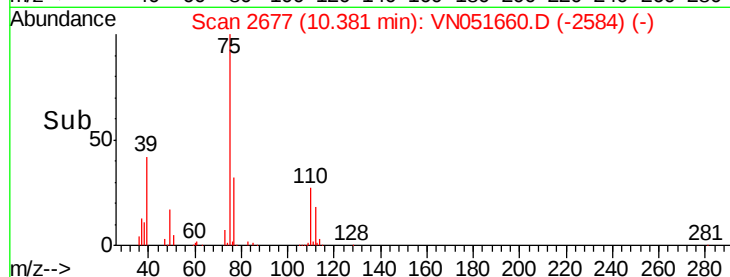
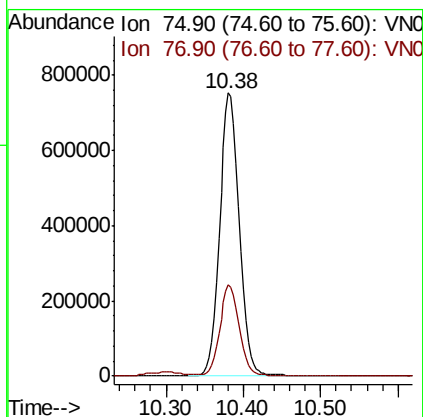
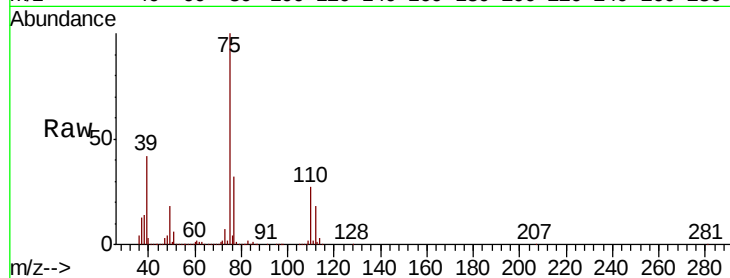
77 32.2 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 99.211 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

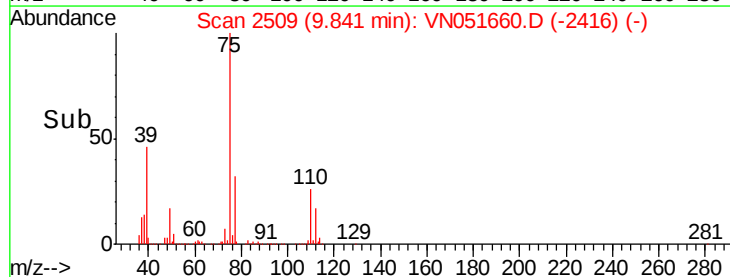
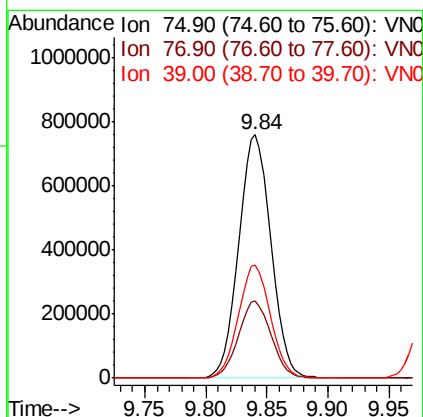
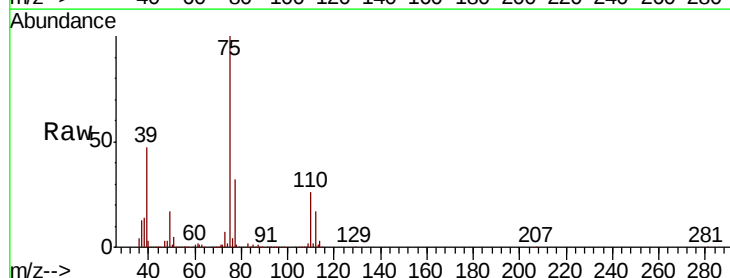
Tgt Ion: 75 Resp: 1388530

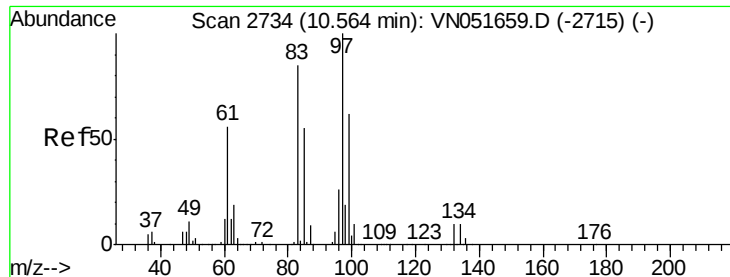
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 46.5 38.1 57.1





#55

1,1,2-Trichloroethane

Concen: 100.250 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 801963

Ion Ratio Lower Upper

97 100

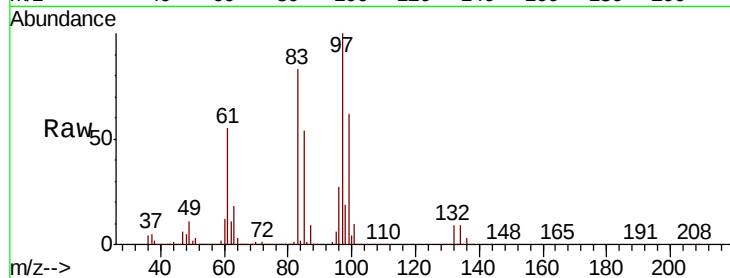
83 82.7 68.1 102.1

85 54.0 43.6 65.4

99 62.1 49.4 74.0

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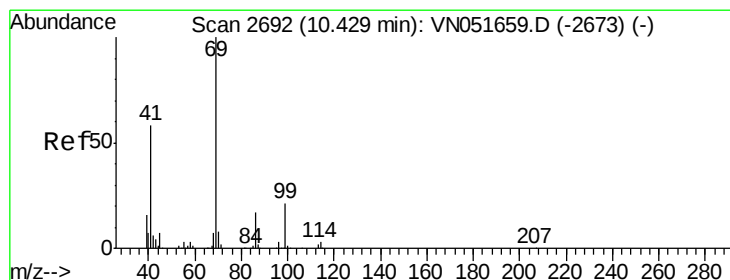
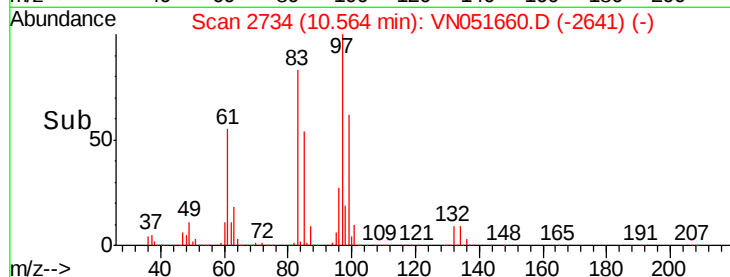
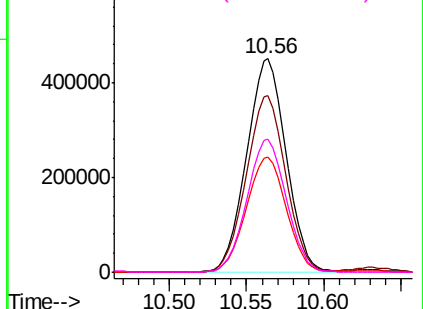


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 102.294 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

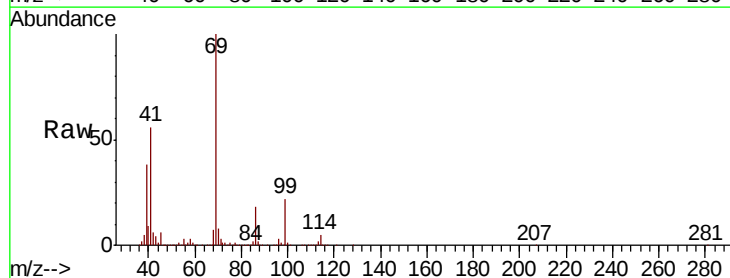
Tgt Ion: 69 Resp: 1034844

Ion Ratio Lower Upper

69 100

41 55.9 46.4 69.6

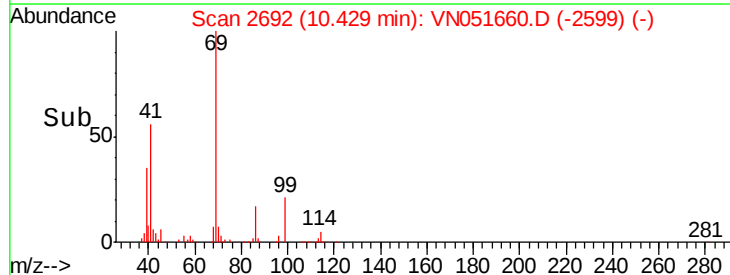
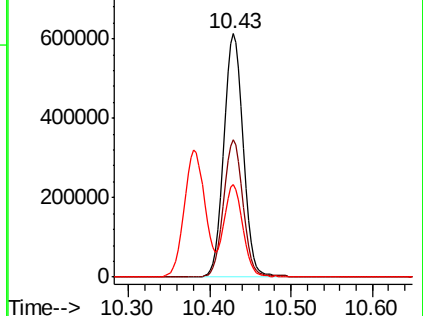
39 37.5 32.4 48.6

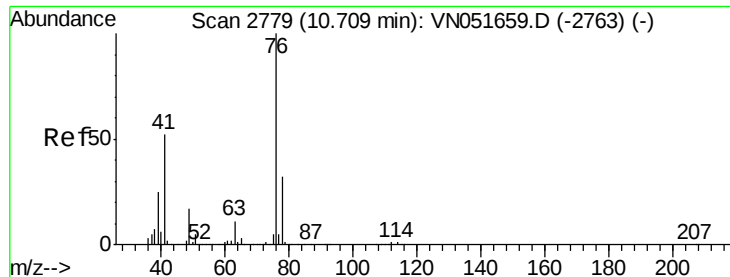


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





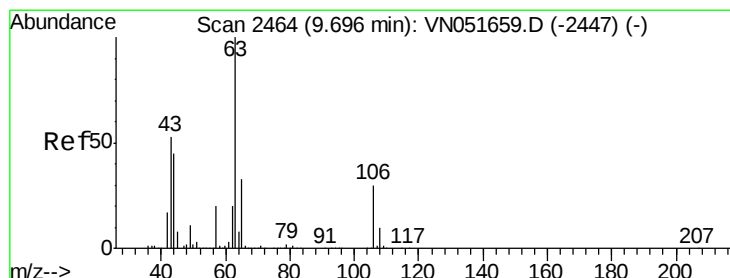
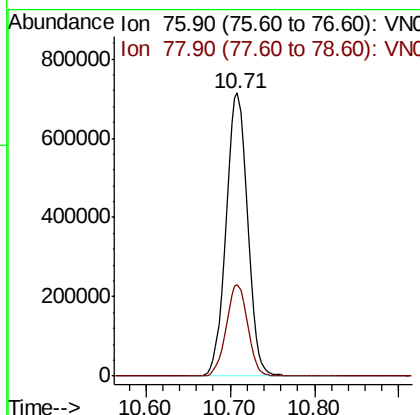
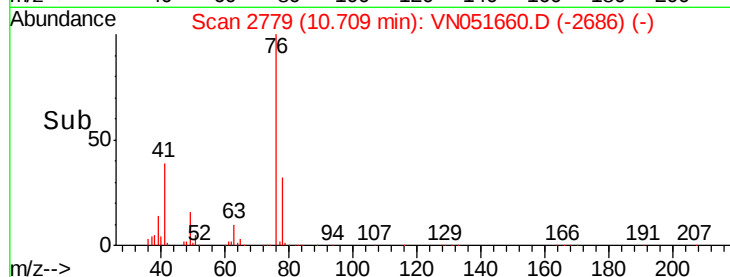
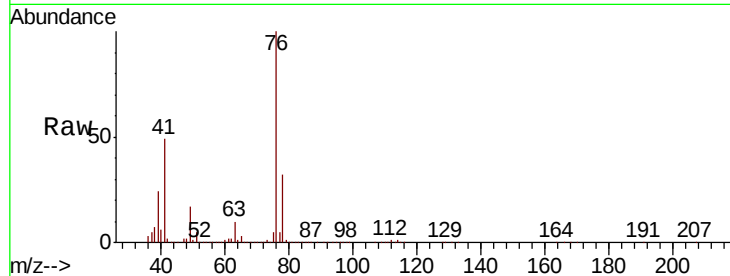
#57
 1,3-Dichloropropane
 Concen: 99.801 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051660.D
 Acq: 4 Oct 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 76 Resp: 1263578
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0

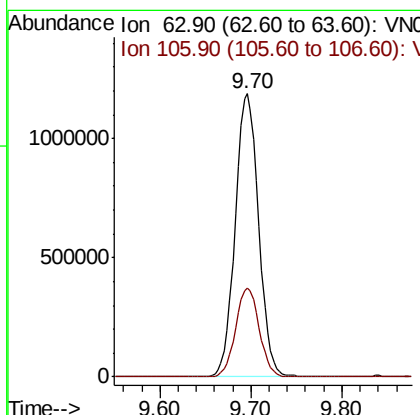
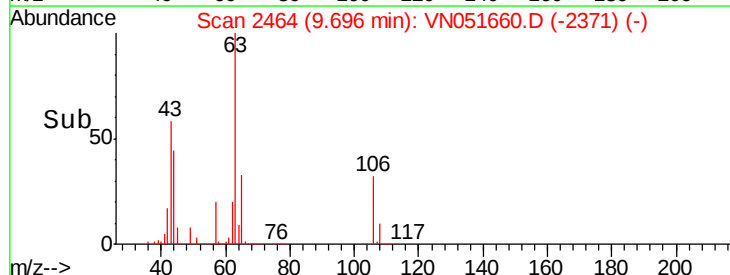
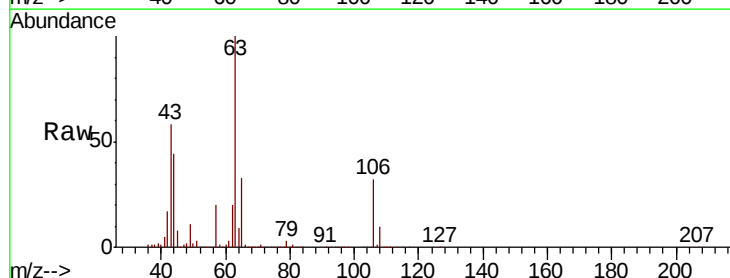
Manual Integrations
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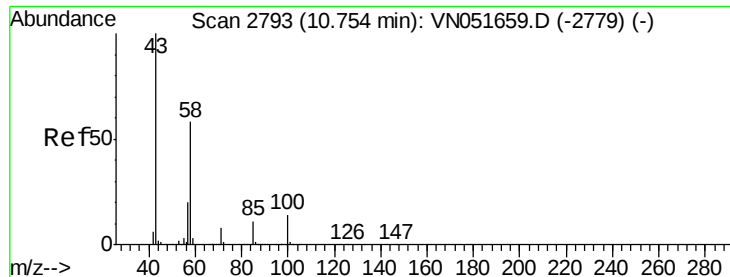
MMDadoda
 10/8/2018 1:53:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 507.002 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051660.D
 Acq: 4 Oct 2018 12:05

Tgt Ion: 63 Resp: 2122728
 Ion Ratio Lower Upper
 63 100
 106 31.6 24.3 36.5





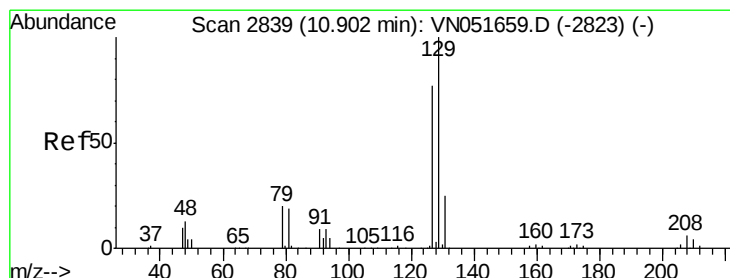
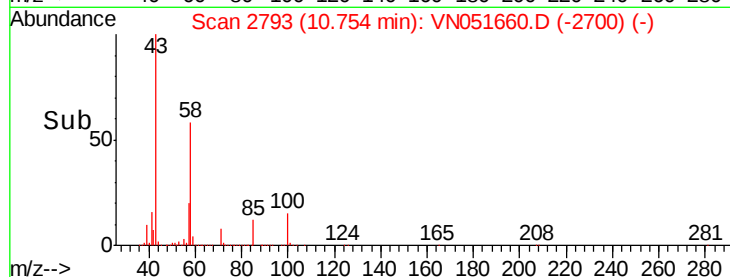
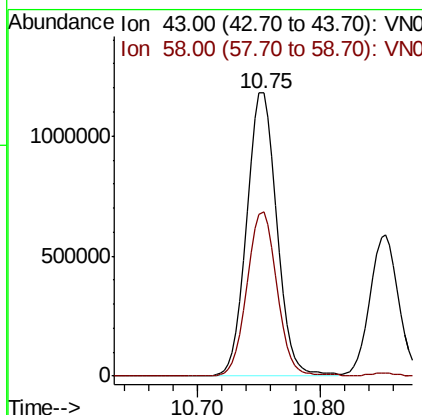
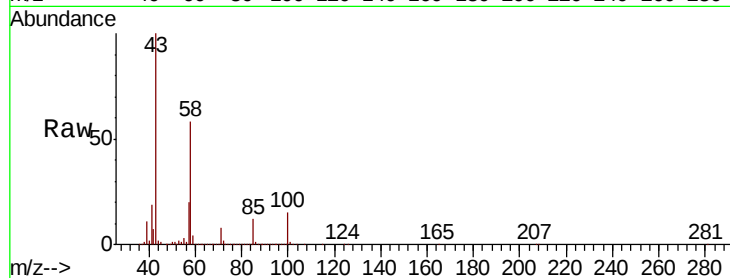
#59
2-Hexanone
Concen: 468.575 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1997051
Ion Ratio Lower Upper
43 100
58 58.0 28.8 86.4

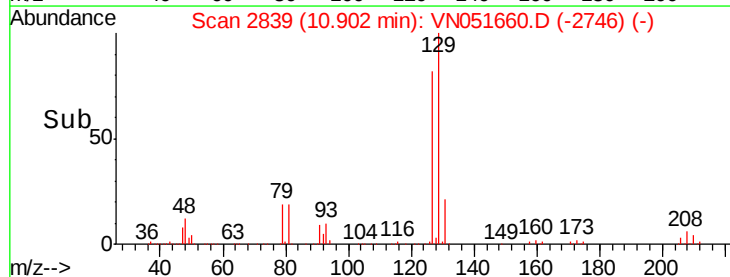
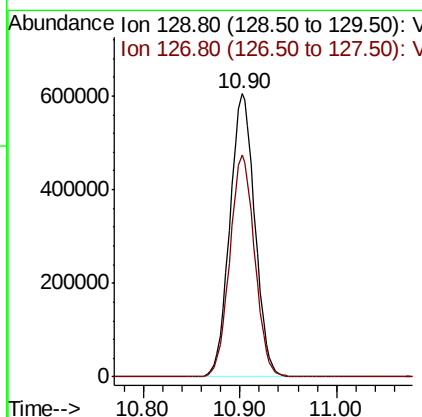
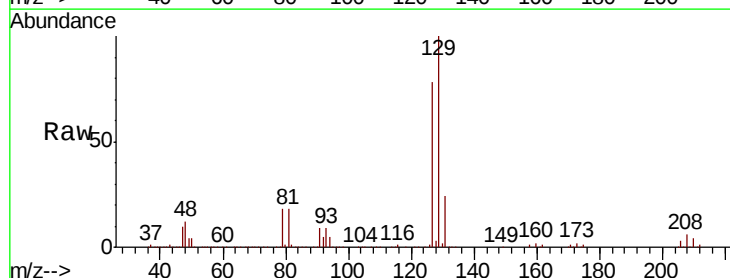
Manual Integrations
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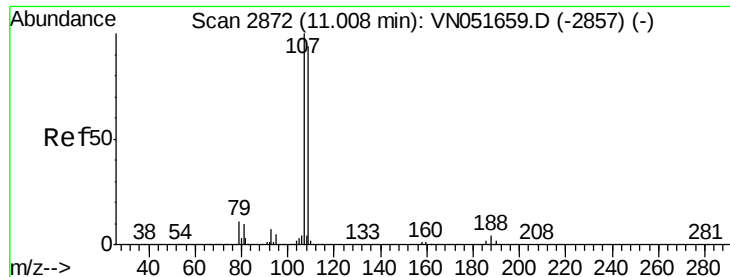
MMDadoda
10/8/2018 1:53:09 PM



#60
Dibromochloromethane
Concen: 103.798 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Tgt Ion: 129 Resp: 1086633
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.7





#61

1,2-Dibromoethane

Concen: 102.470 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:107 Resp: 866569

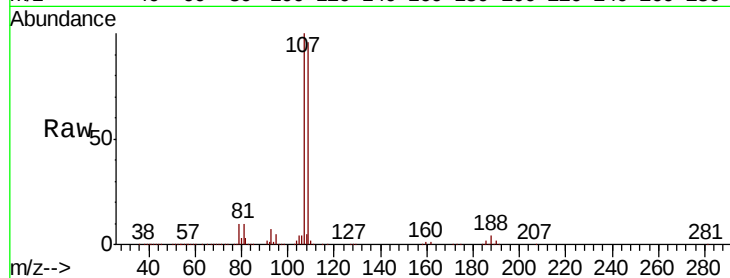
Ion Ratio Lower Upper

107 100

109 94.8 75.4 113.0

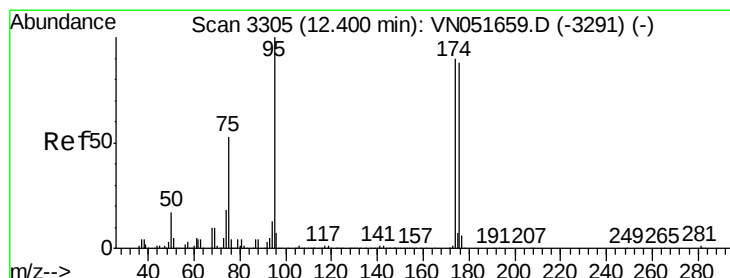
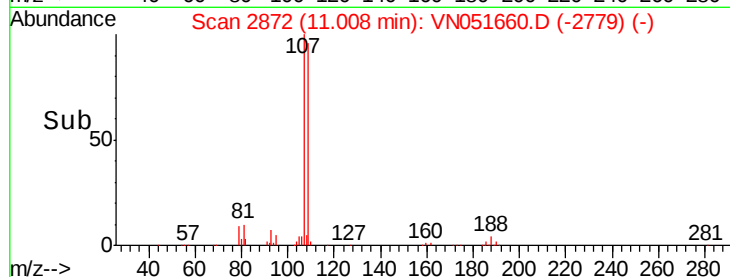
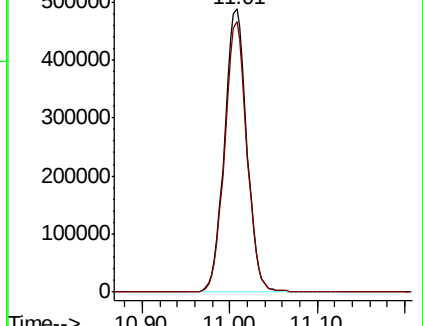
Manual Integrations
APPROVED

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



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 102.470 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

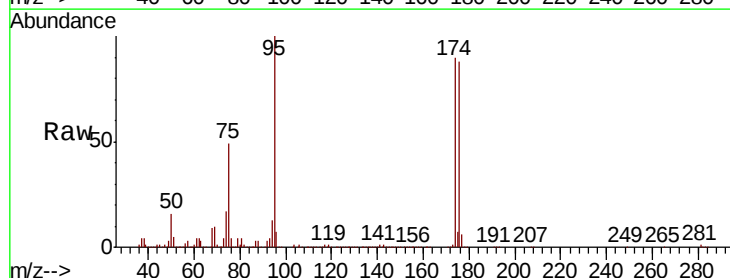
Tgt Ion: 95 Resp: 1203886

Ion Ratio Lower Upper

95 100

174 91.5 0.0 182.8

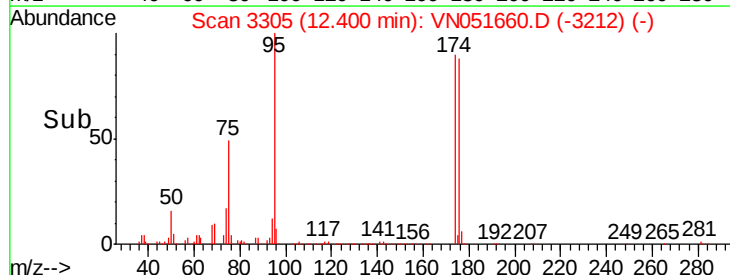
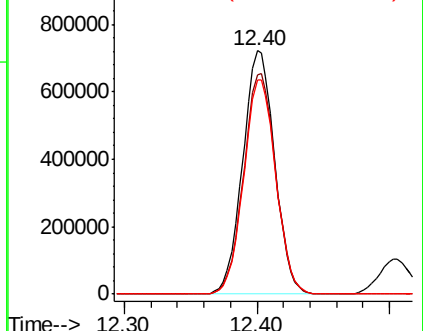
176 88.8 0.0 176.4

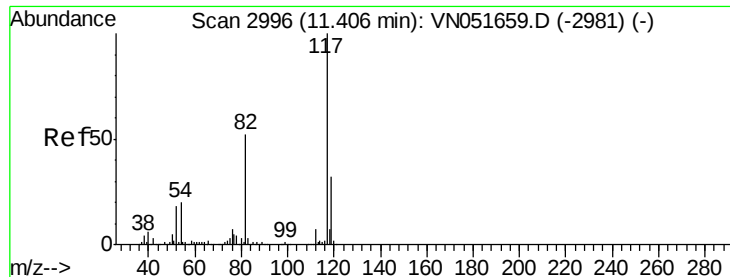


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





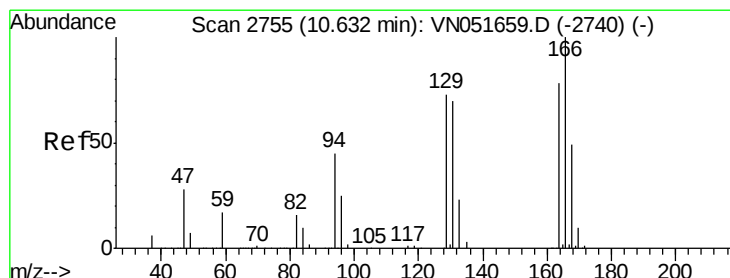
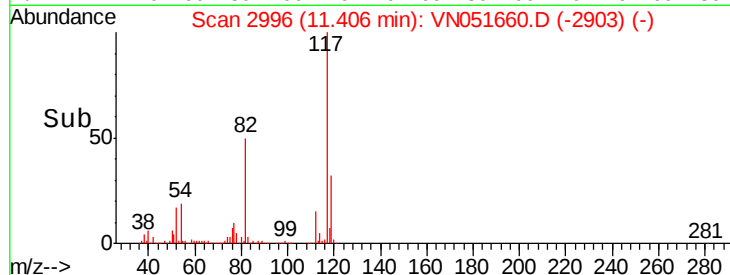
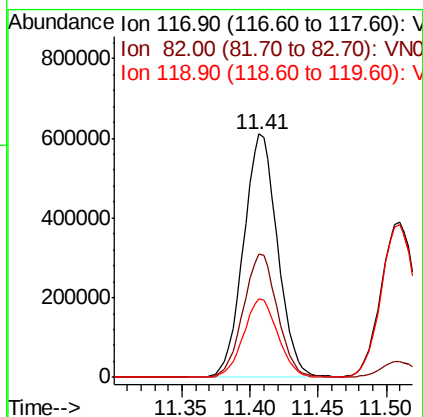
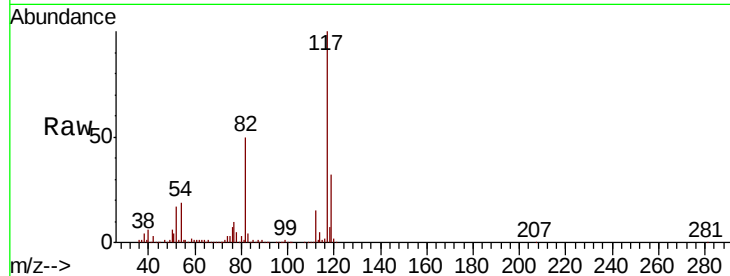
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 1058774
Ion Ratio Lower Upper
117 100
82 50.5 41.3 61.9
119 32.4 25.9 38.9

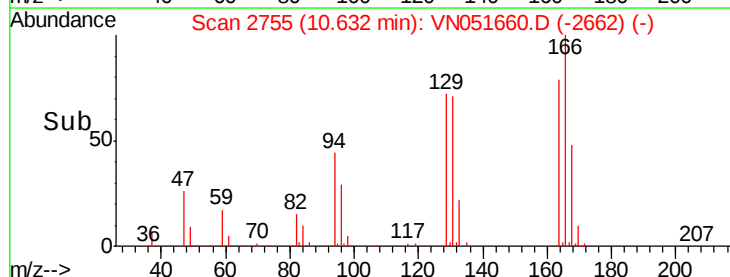
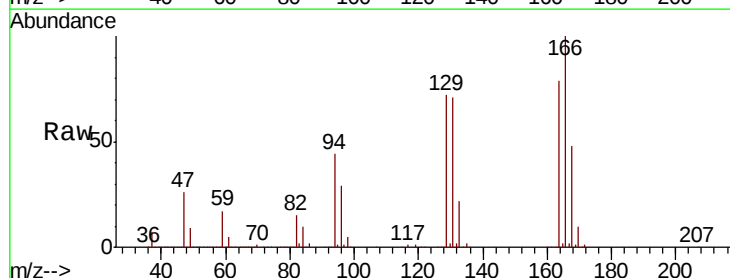
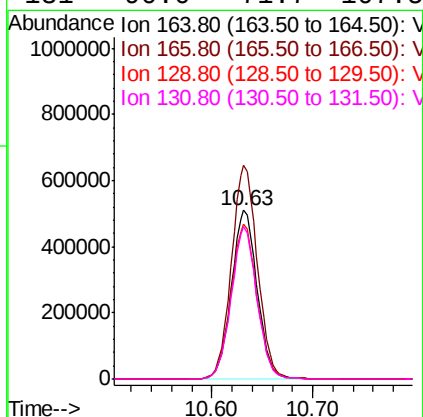
Manual Integrations
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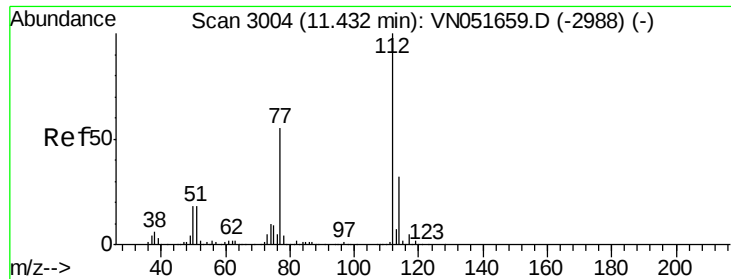
MMDadoda
10/8/2018 1:53:09 PM



#64
Tetrachloroethene
Concen: 96.994 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Tgt Ion:164 Resp: 906022
Ion Ratio Lower Upper
164 100
166 126.6 103.0 154.6
129 91.6 75.2 112.8
131 90.0 71.7 107.5





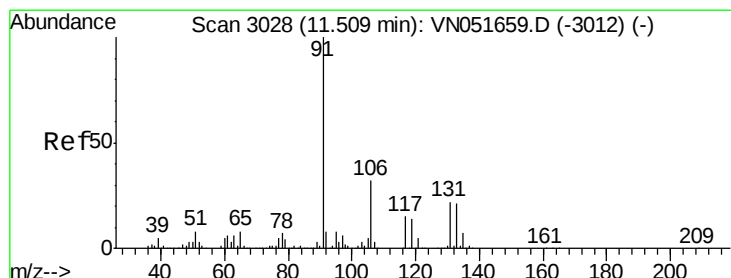
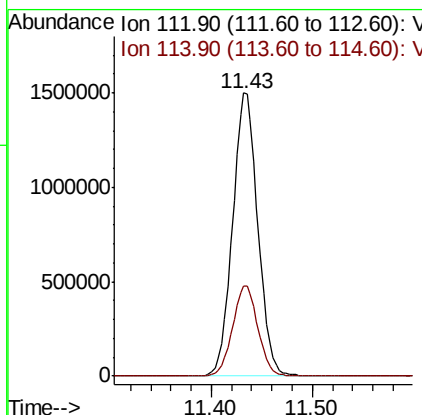
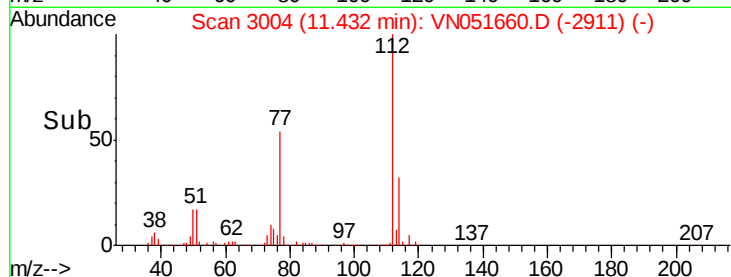
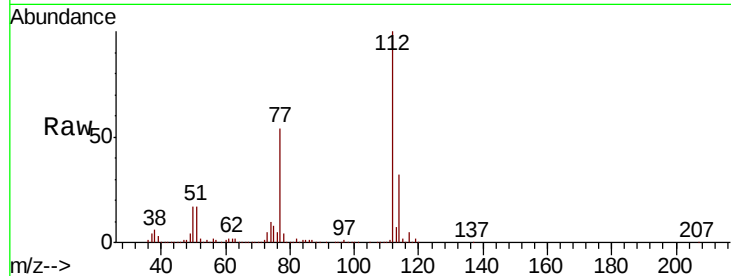
#65
Chlorobenzene
Concen: 99.128 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 2599361
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9

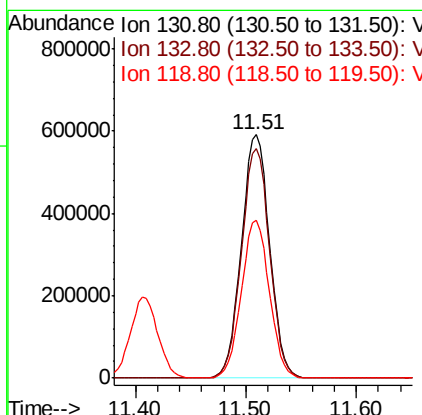
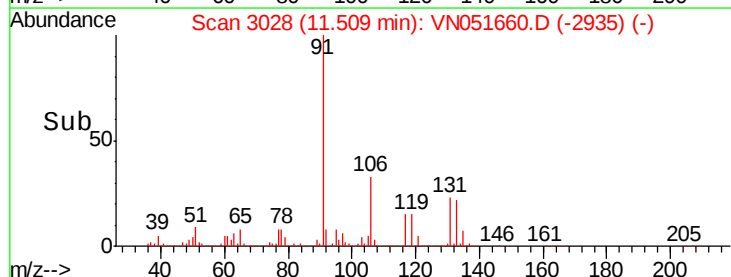
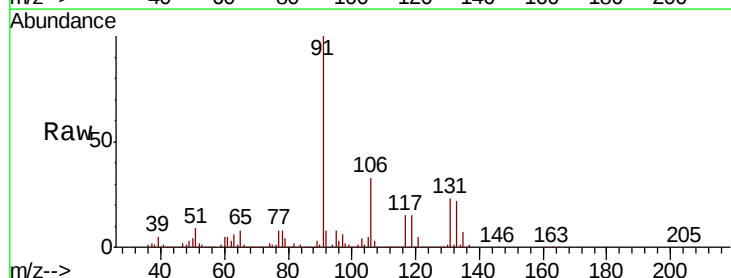
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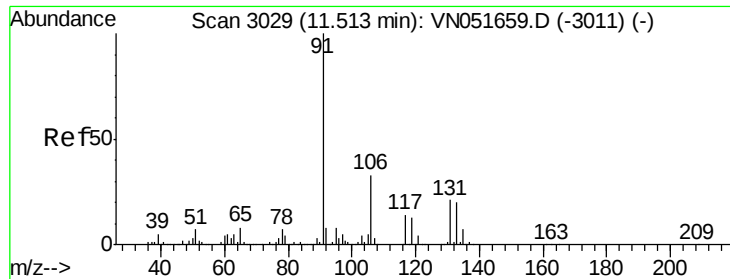
MMDadoda
10/8/2018 1:53:09 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 99.544 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Tgt Ion:131 Resp: 1045157
Ion Ratio Lower Upper
131 100
133 94.6 47.6 142.8
119 64.3 32.0 96.0





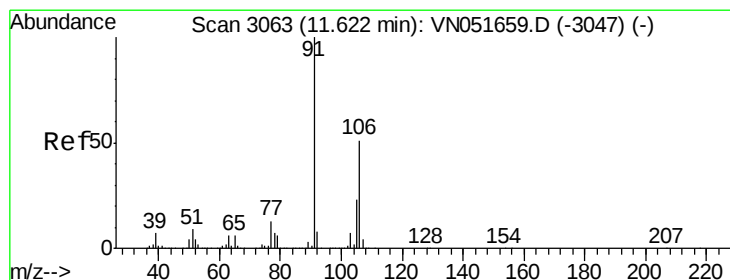
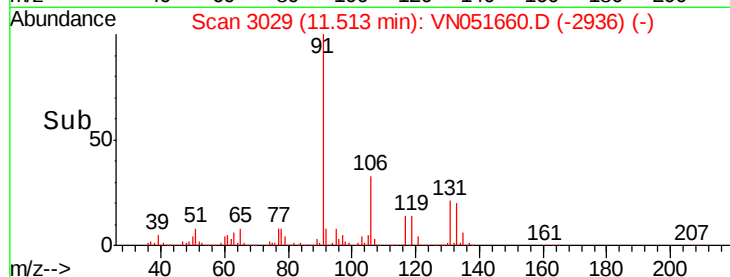
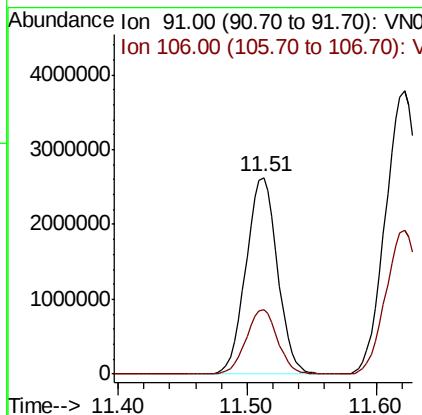
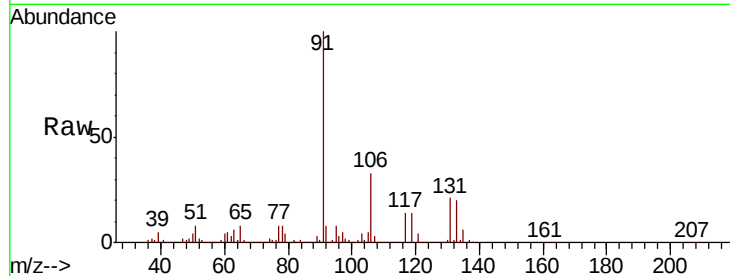
#67
Ethyl Benzene
Concen: 98.511 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 4464901
Ion Ratio Lower Upper
91 100
106 32.9 26.0 39.0

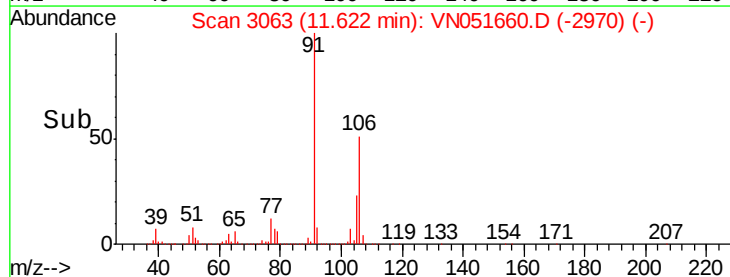
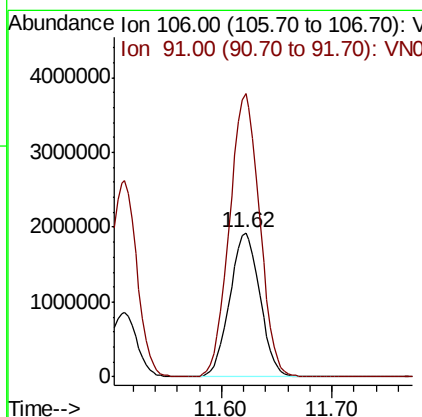
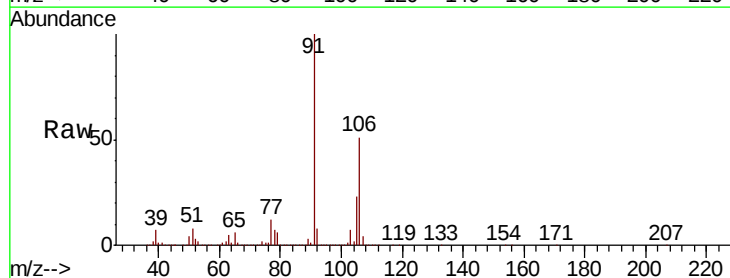
Manual Integrations
APPROVED

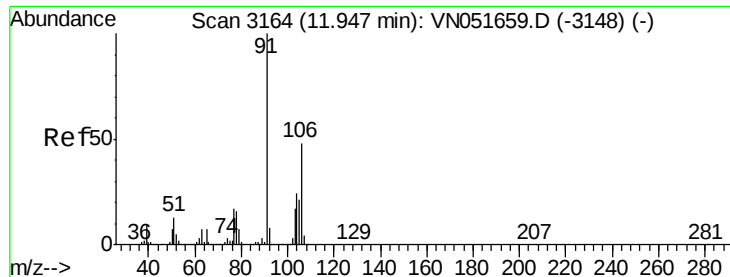
MMDadoda
10/8/2018 1:53:09 PM



#68
m/p-Xylenes
Concen: 201.090 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Tgt Ion: 106 Resp: 3646725
Ion Ratio Lower Upper
106 100
91 196.7 158.4 237.6





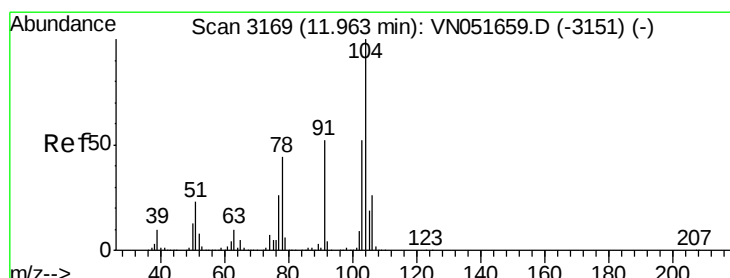
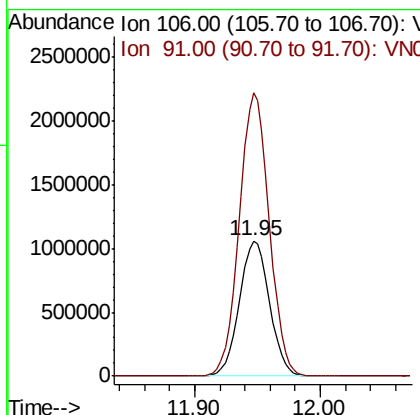
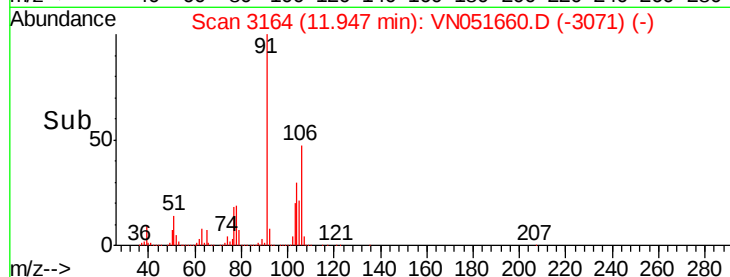
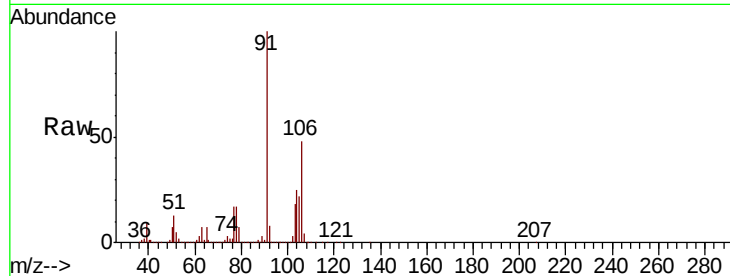
#69
o-Xylene
Concen: 99.427 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 1768278
Ion Ratio Lower Upper
106 100
91 207.3 104.4 313.2

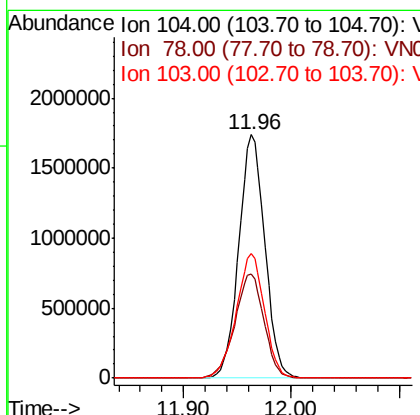
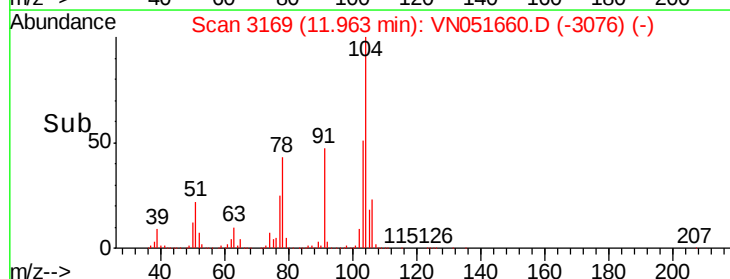
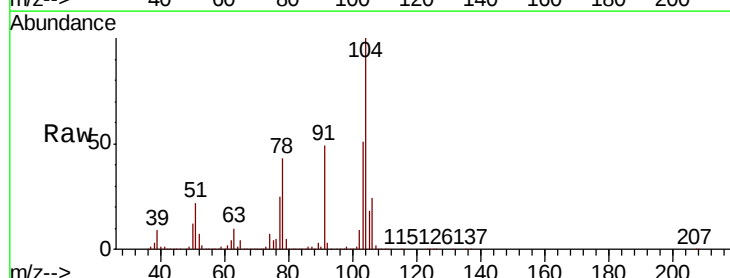
Manual Integrations
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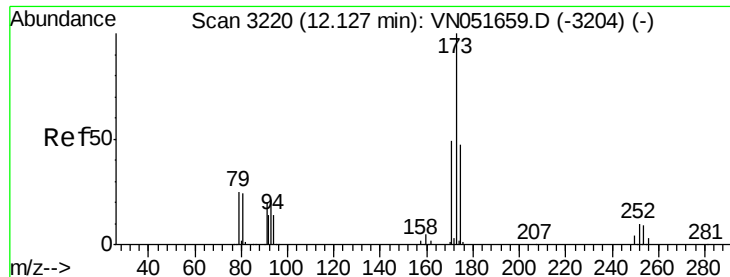
MMDadoda
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#70
Styrene
Concen: 103.135 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Tgt Ion:104 Resp: 2922783
Ion Ratio Lower Upper
104 100
78 47.7 39.3 58.9
103 55.3 45.0 67.6





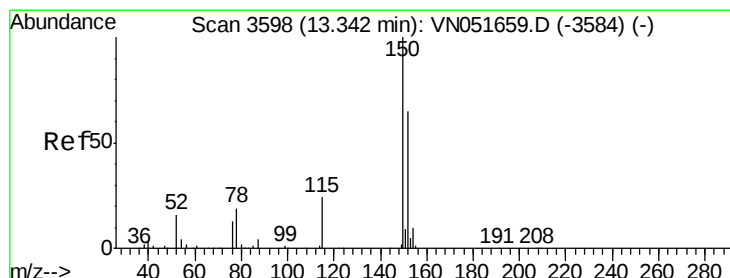
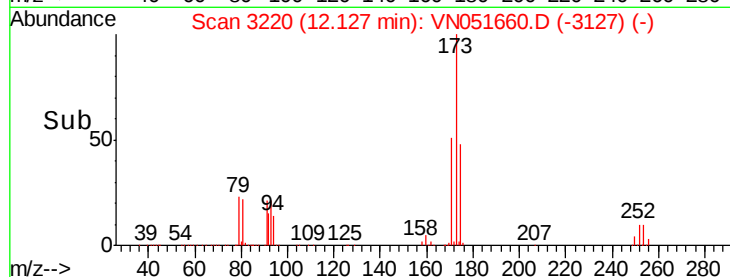
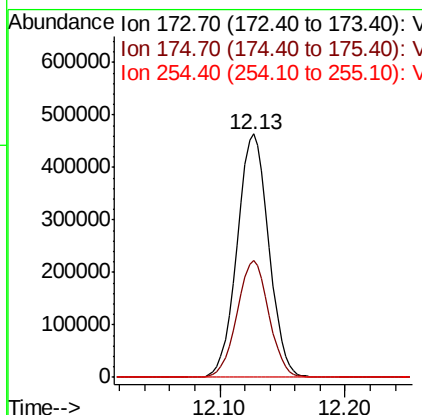
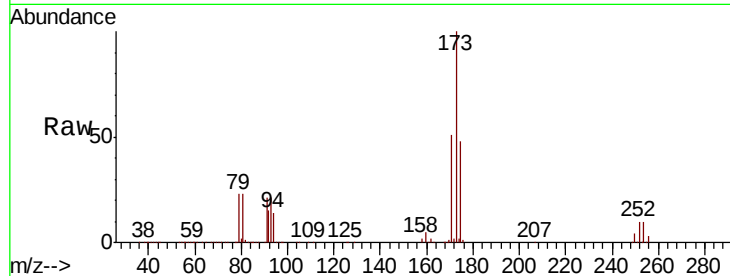
#71
Bromoform
Concen: 104.012 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.0	72.0
254	0.1	0.1	0.1

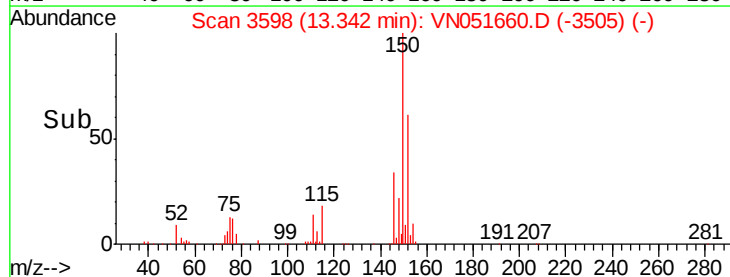
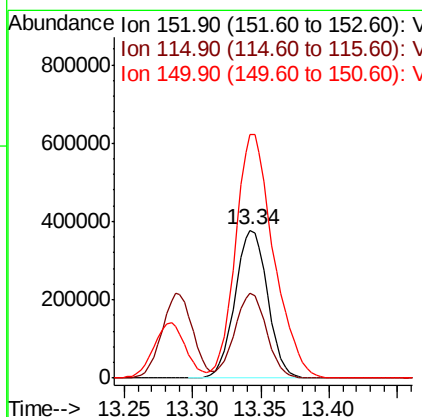
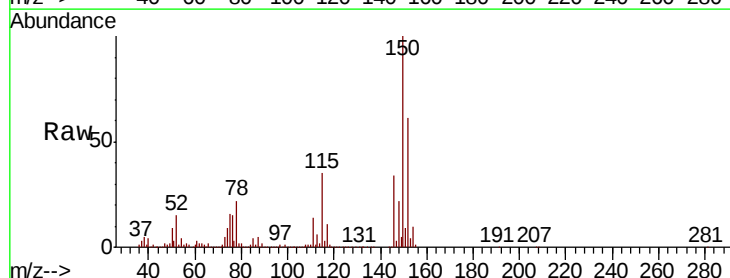
Manual Integrations
APPROVED

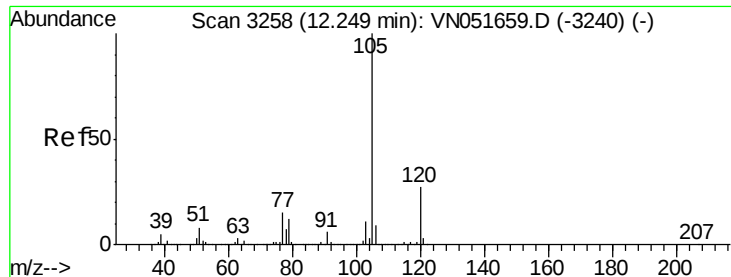
MMDadoda
10/8/2018 1:53:09 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.6	85.8
150	191.8	0.0	352.4





#73

Isopropylbenzene

Concen: 89.523 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 105 Resp: 4776529

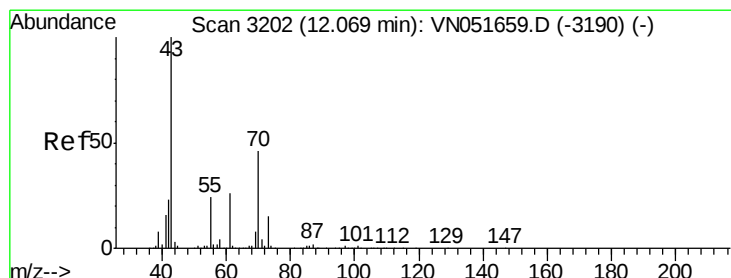
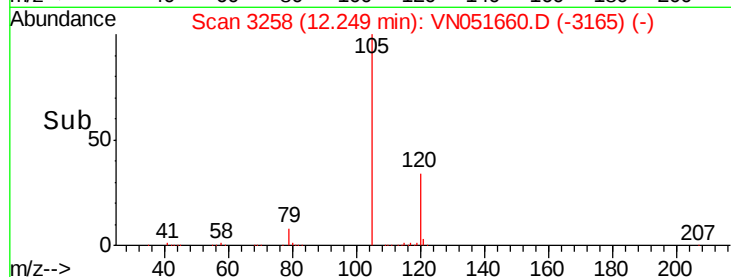
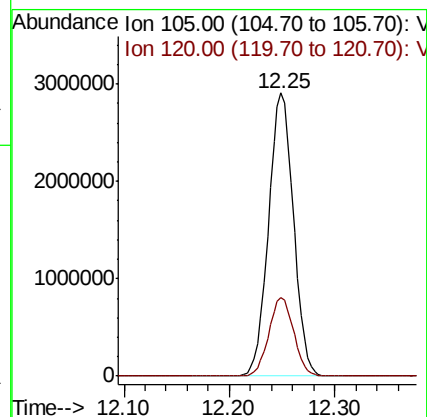
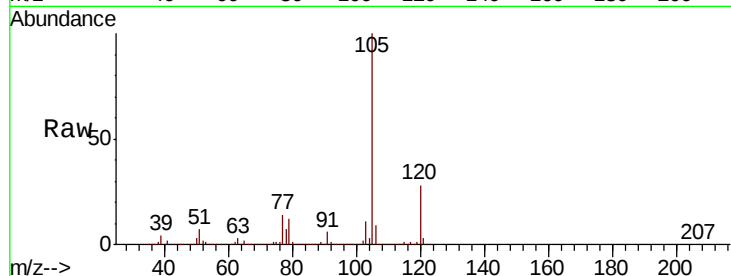
Ion Ratio Lower Upper

105 100

120 27.8 13.9 41.6

Manual Integrations
APPROVED

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



#74

N-ethyl acetate

Concen: 85.967 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Tgt Ion: 43 Resp: 1046019

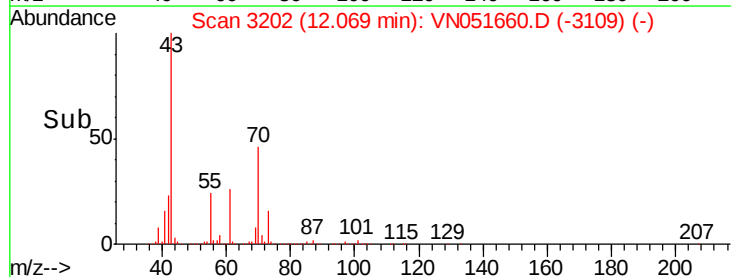
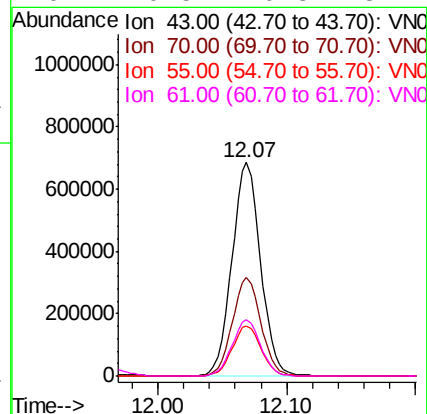
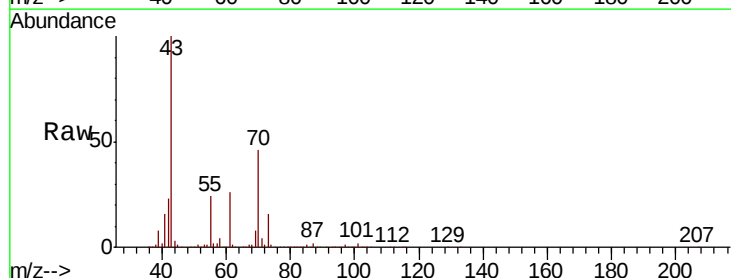
Ion Ratio Lower Upper

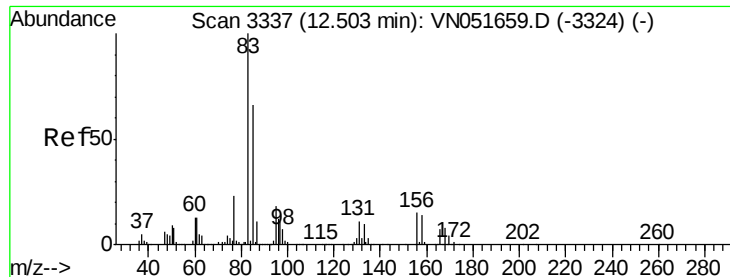
43 100

70 46.3 37.1 55.7

55 23.7 19.1 28.7

61 26.5 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 85.740 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

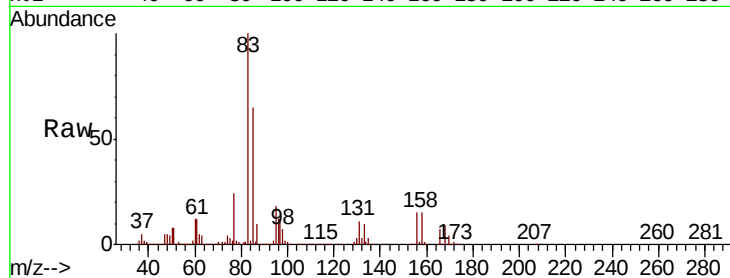
ClientSampleId :

VSTDIC100

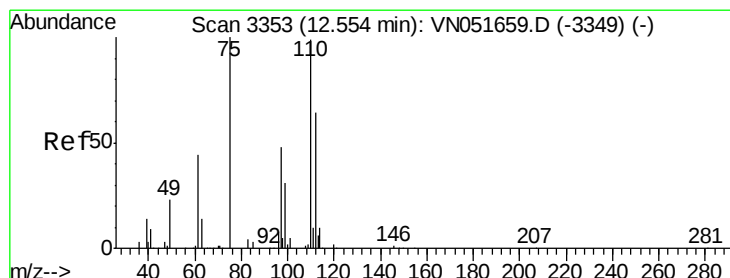
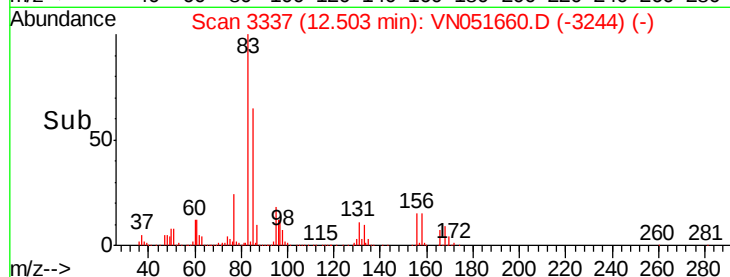
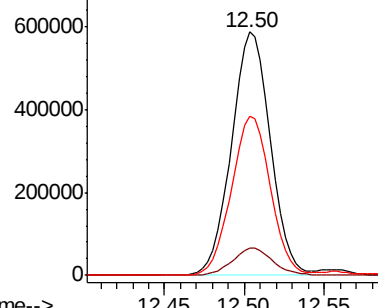
Tot Ion:	83	Resp:	986111
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.7	17.1
85	65.6	33.0	98.9

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 84.624 ug/l m

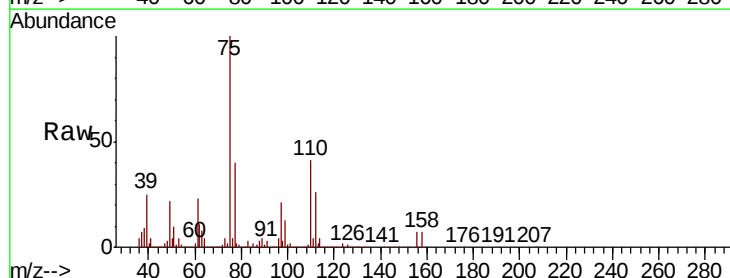
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

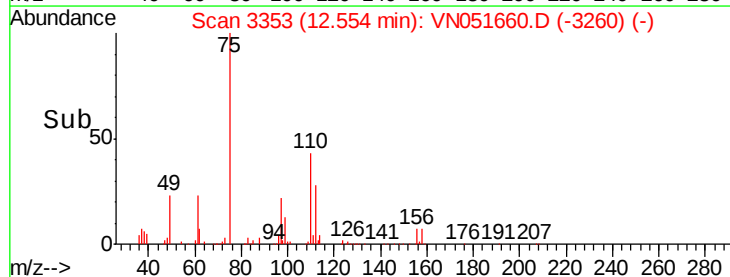
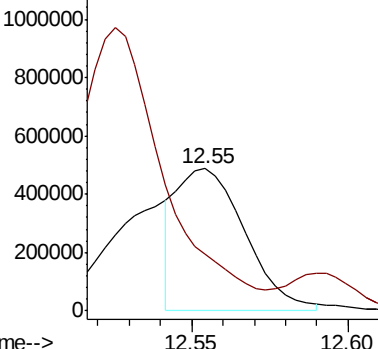
Lab File: VN051660.D

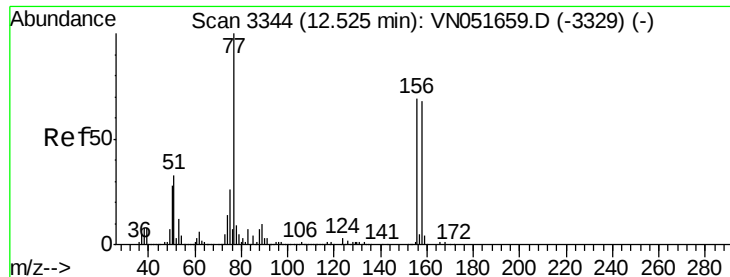
Acq: 4 Oct 2018 12:05

Tgt Ion:	75	Resp:	742901
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 92.784 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 1210460

Ion Ratio Lower Upper

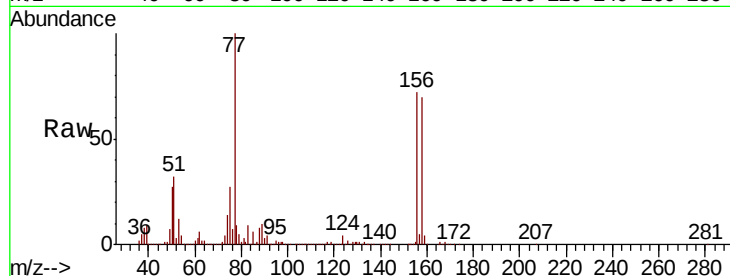
156 100

77 159.1 83.2 249.4

158 96.9 49.0 147.2

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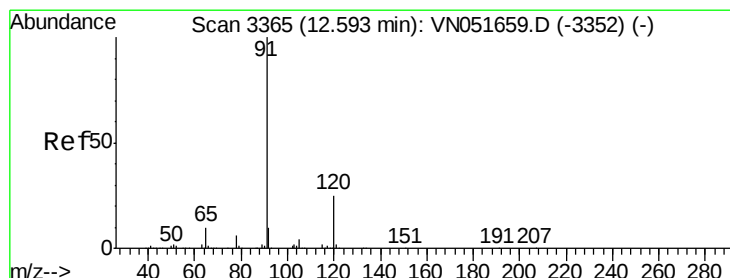
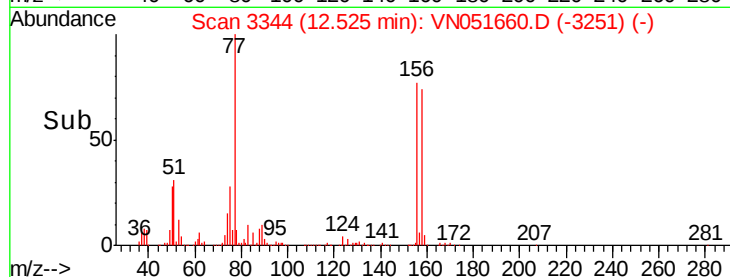
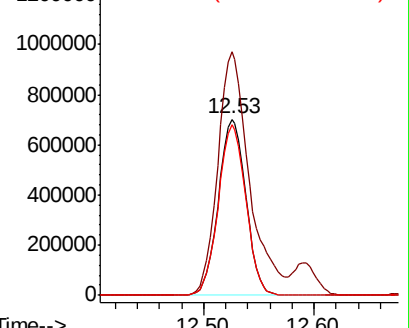
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 91.356 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051660.D

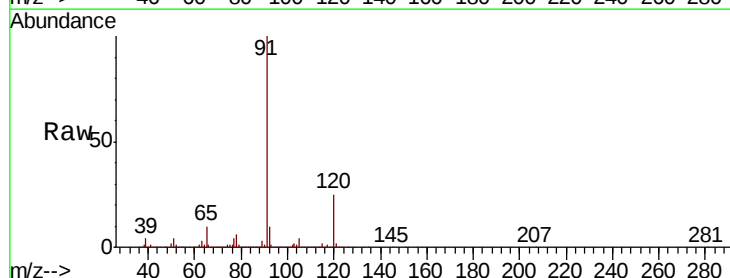
Acq: 4 Oct 2018 12:05

Tgt Ion: 91 Resp: 5316504

Ion Ratio Lower Upper

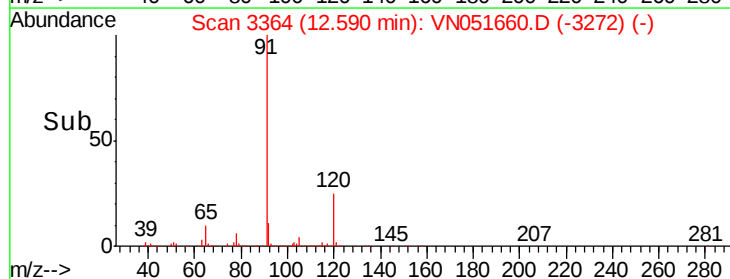
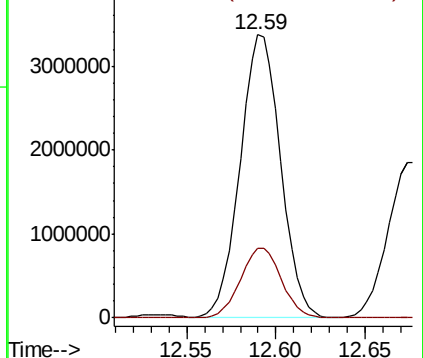
91 100

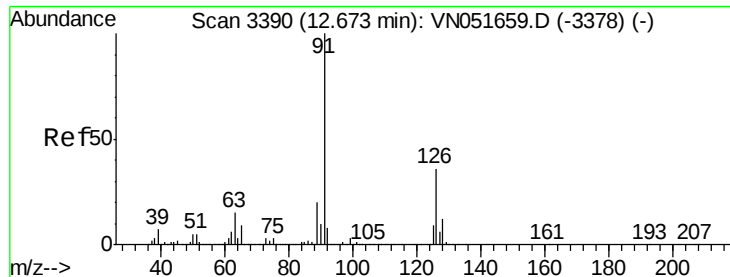
120 24.9 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 90.371 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 3099524

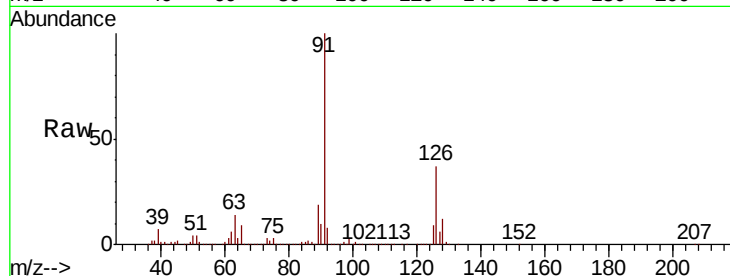
Ion Ratio Lower Upper

91 100

126 37.6 18.5 55.5

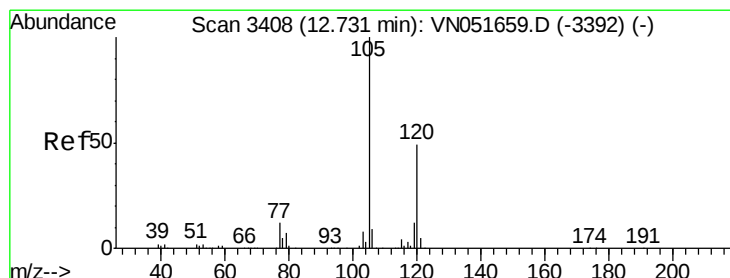
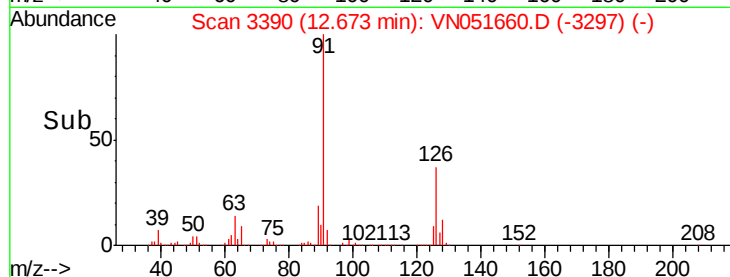
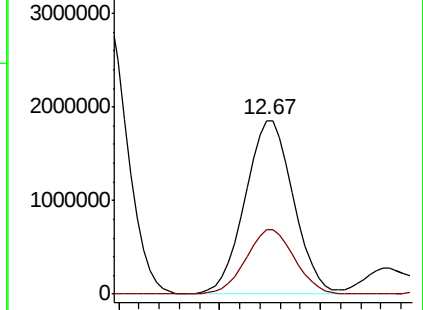
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Abundance Ion 91.00 (90.70 to 91.70): VN051660.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN051660.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 90.986 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051660.D

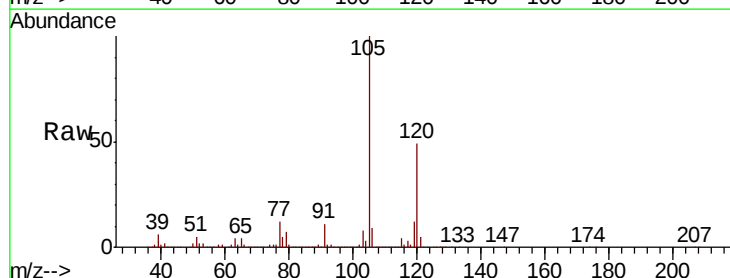
Acq: 4 Oct 2018 12:05

Tgt Ion:105 Resp: 4091155

Ion Ratio Lower Upper

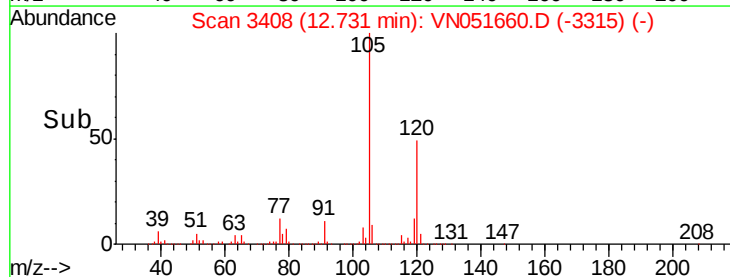
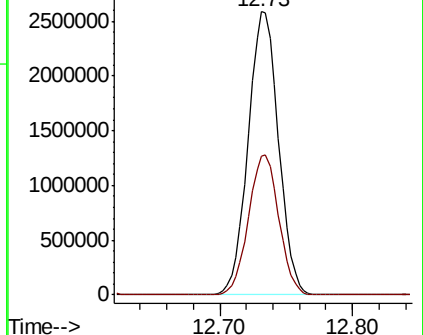
105 100

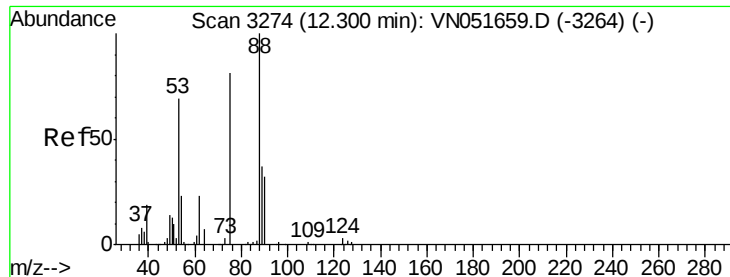
120 49.4 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051660.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN051660.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 93.189 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 317313

Ion Ratio Lower Upper

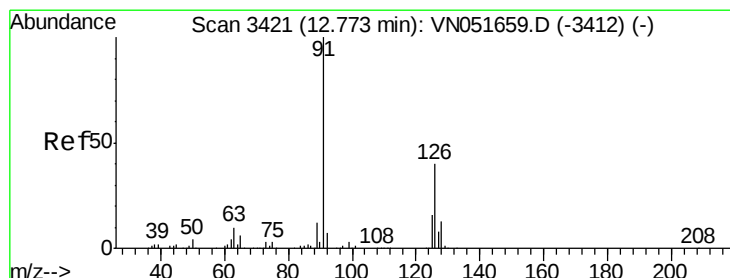
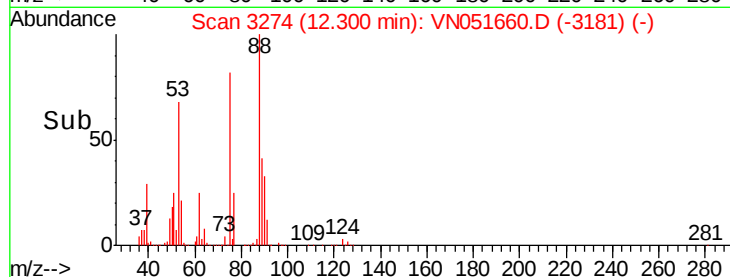
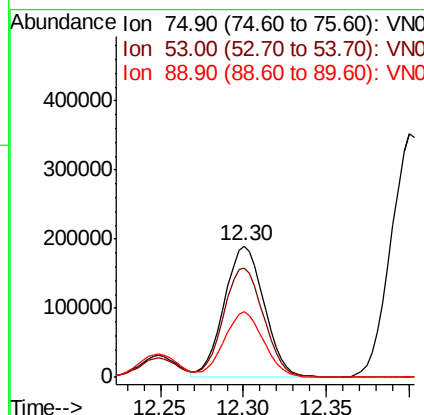
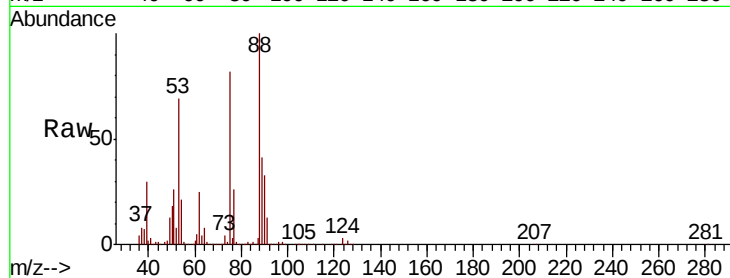
75 100

53 84.4 68.6 102.8

89 49.6 39.4 59.2

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#82

4-Chlorotoluene

Concen: 93.526 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051660.D

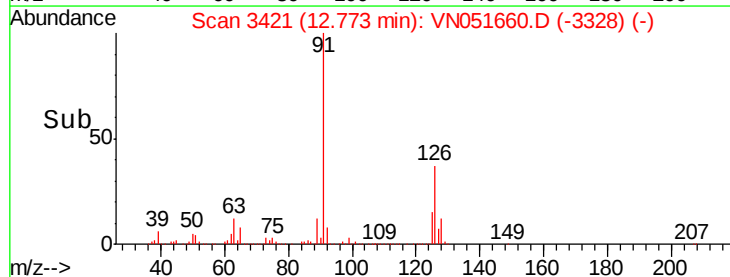
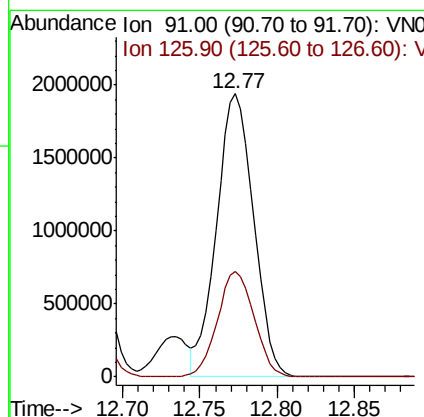
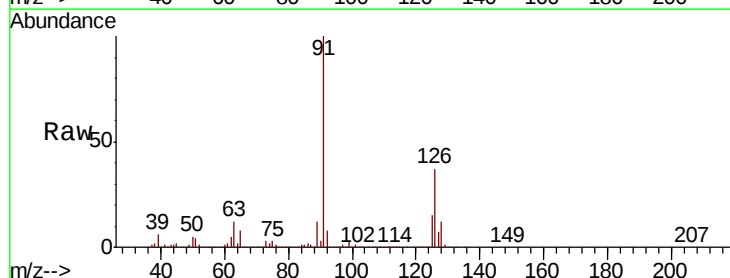
Acq: 4 Oct 2018 12:05

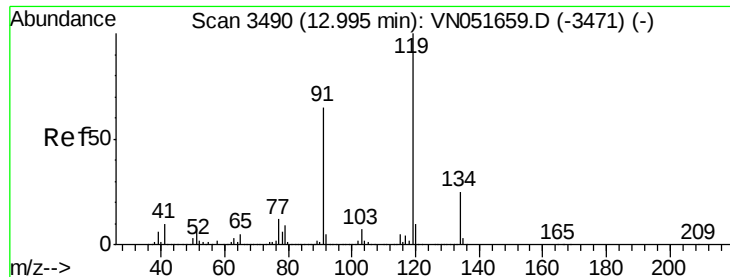
Tgt Ion: 91 Resp: 3222402

Ion Ratio Lower Upper

91 100

126 37.0 18.0 54.0





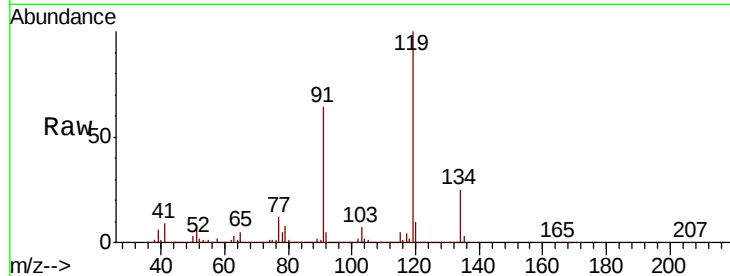
#83
tert-Butylbenzene
Concen: 89.415 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

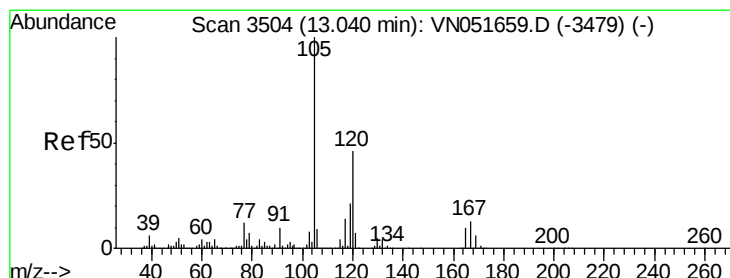
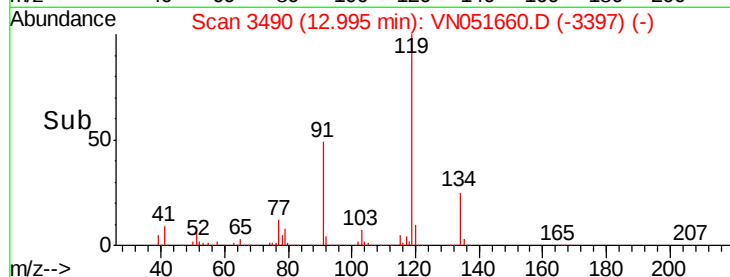
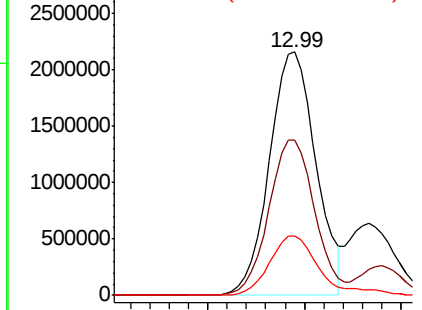
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	32.1	96.5
134	26.2	13.3	39.9

Manual Integrations
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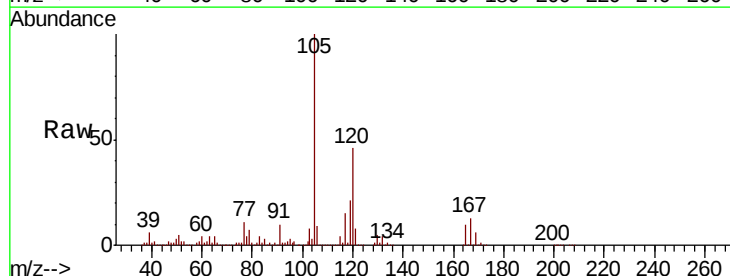


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

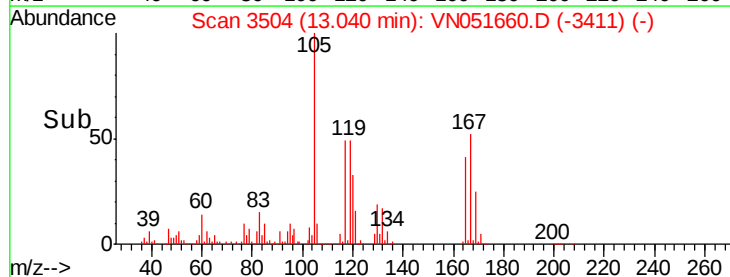
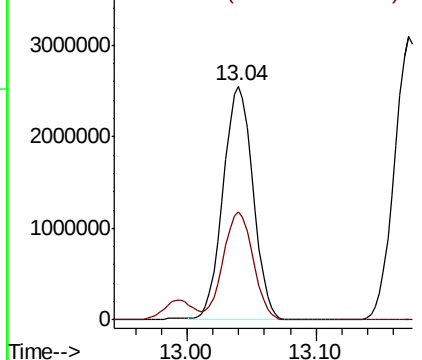


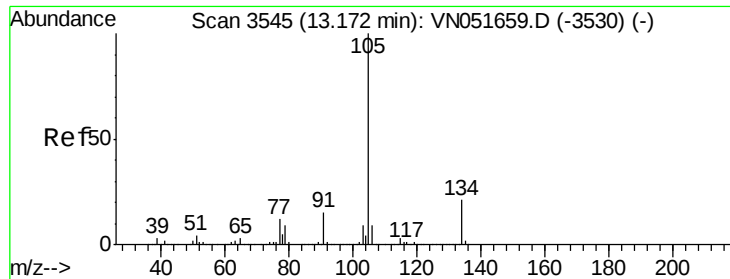
#84
1,2,4-Trimethylbenzene
Concen: 91.156 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.9	68.7



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





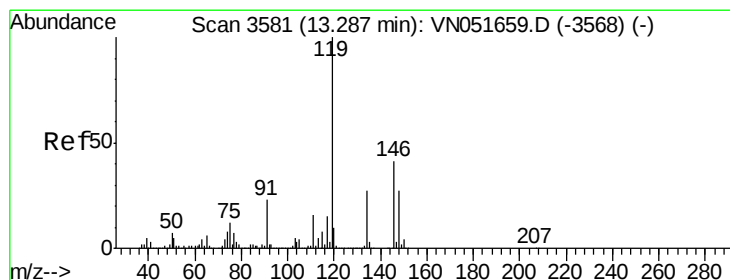
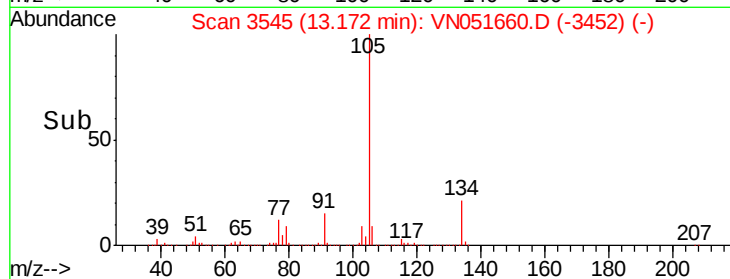
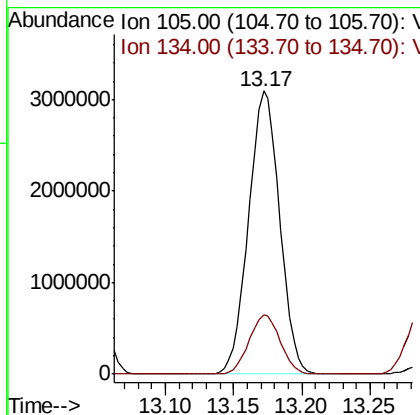
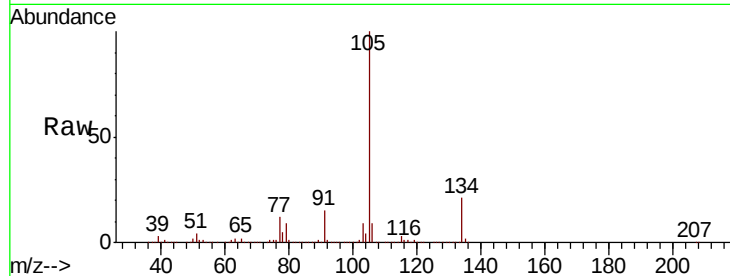
#85
 sec-Butylbenzene
 Concen: 91.674 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051660.D
 Acq: 4 Oct 2018 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 4885757
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.5 31.6

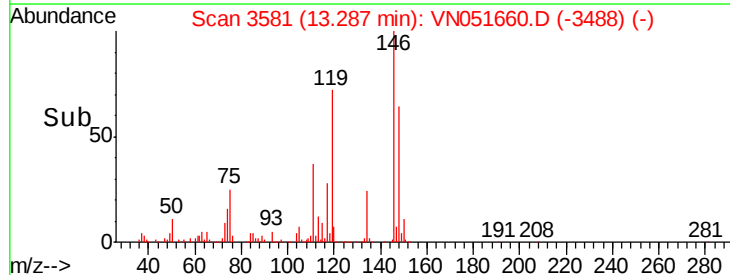
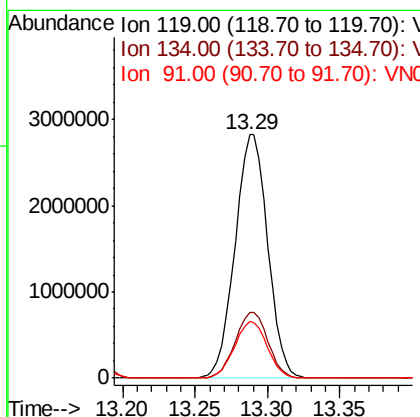
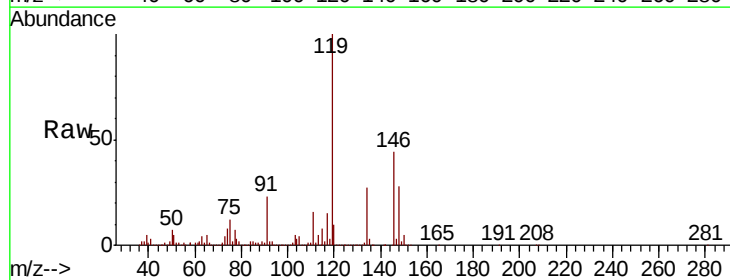
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#86
 p-Isopropyltoluene
 Concen: 93.109 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051660.D
 Acq: 4 Oct 2018 12:05

Tgt Ion:119 Resp: 4399142
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.4 40.2
 91 23.3 11.7 35.1





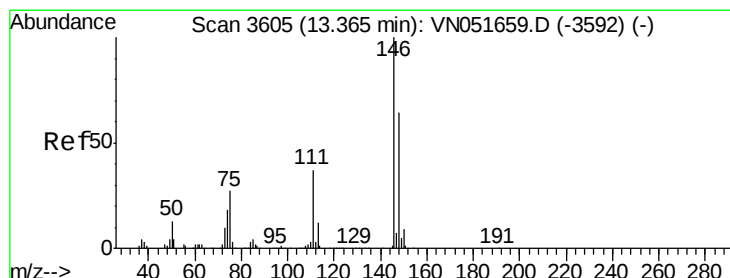
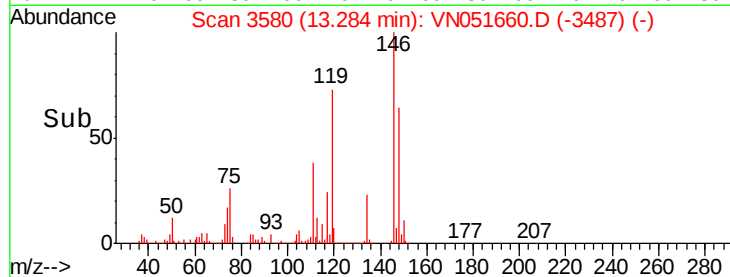
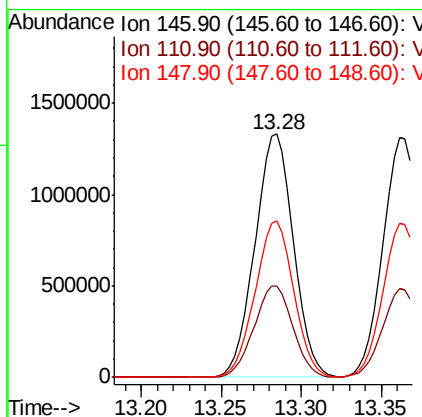
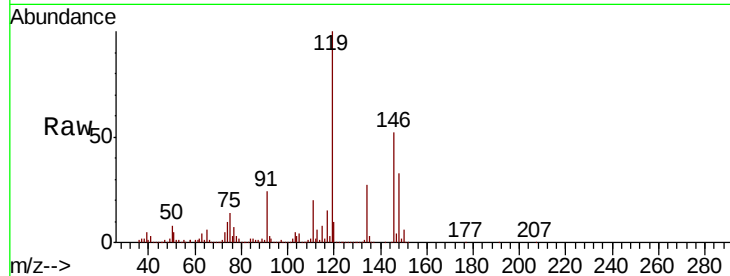
#87
 1,3-Dichlorobenzene
 Concen: 97.288 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051660.D
 Acq: 4 Oct 2018 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.3	57.9
148	64.2	32.5	97.5

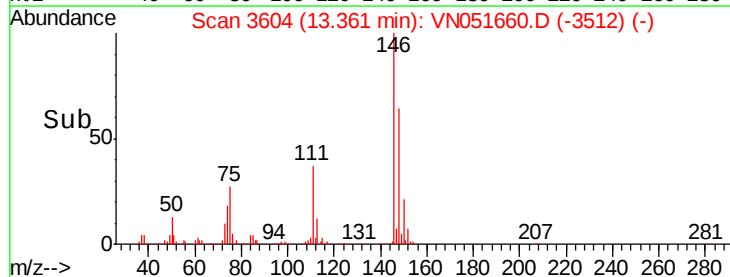
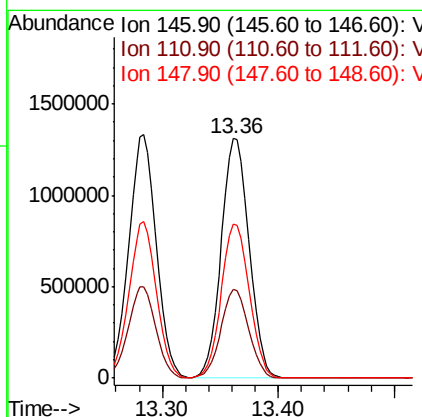
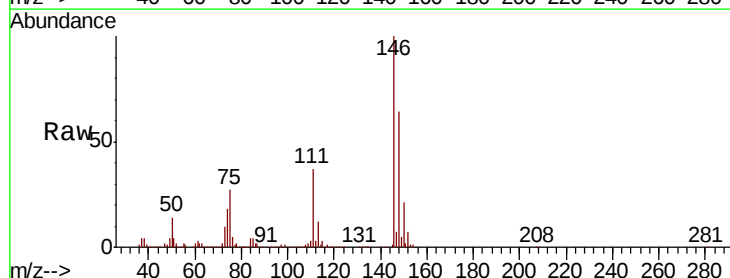
Manual Integrations
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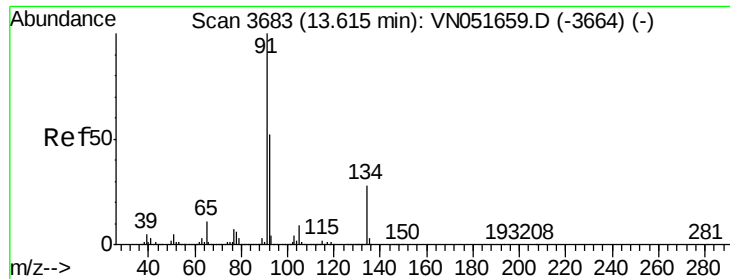
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#88
 1,4-Dichlorobenzene
 Concen: 97.224 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051660.D
 Acq: 4 Oct 2018 12:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	55.8
148	64.7	32.3	96.8





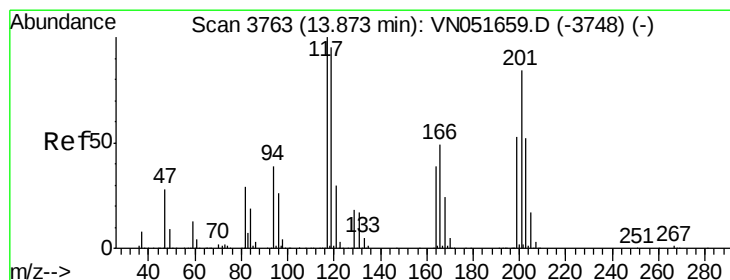
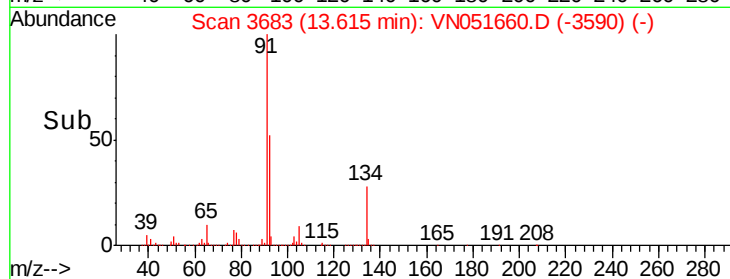
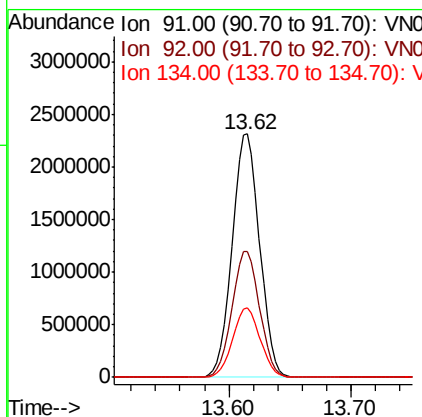
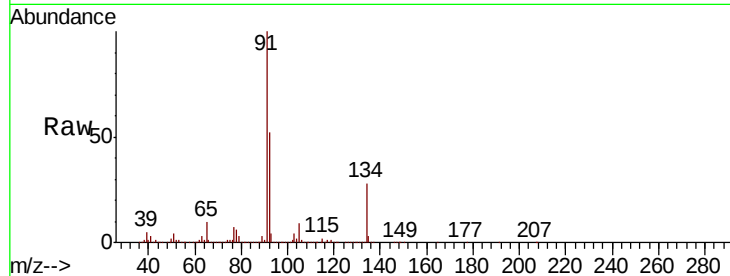
#89
n-Butylbenzene
Concen: 96.539 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	52.1	26.0	78.0	
134	28.6	14.2	42.6	

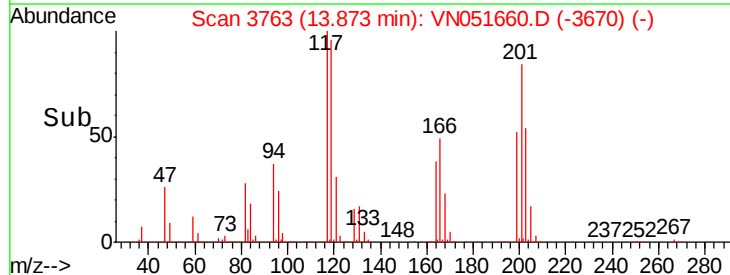
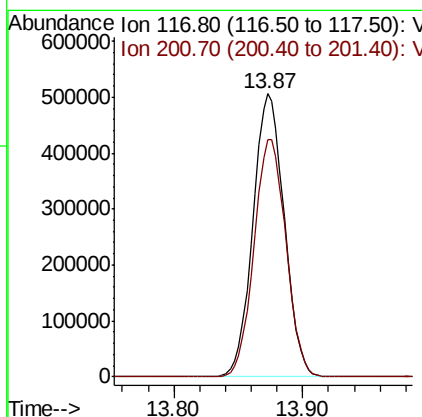
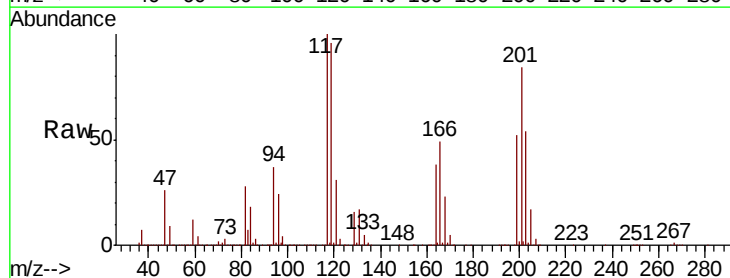
Manual Integrations
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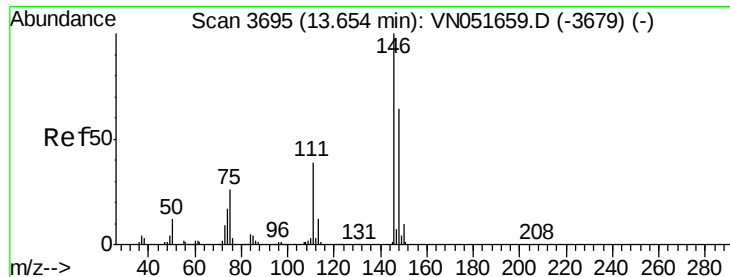
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#90
Hexachloroethane
Concen: 90.940 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	85.4	42.4	127.3	





#91

1,2-Dichlorobenzene

Concen: 94.647 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 2138918

Ion Ratio Lower Upper

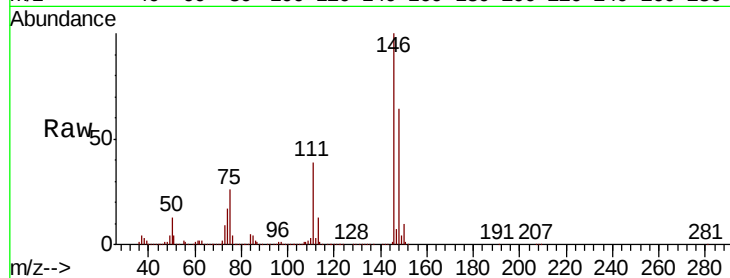
146 100

111 39.0 19.7 59.0

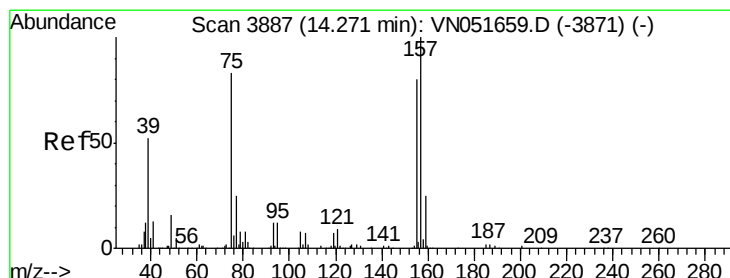
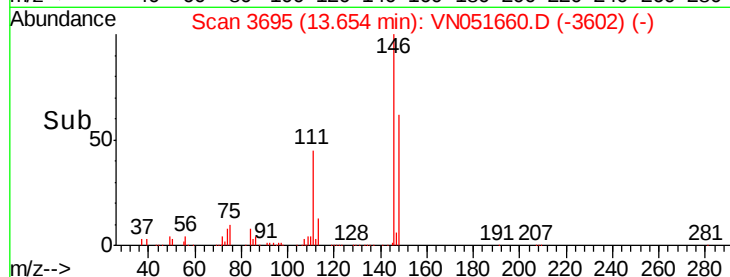
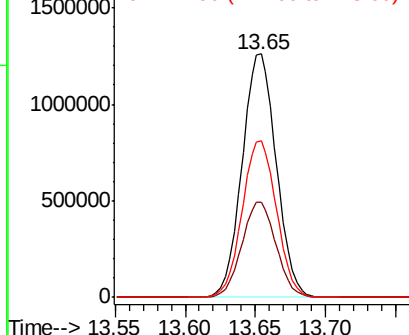
148 64.7 32.1 96.3

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 89.661 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051660.D

Acq: 4 Oct 2018 12:05

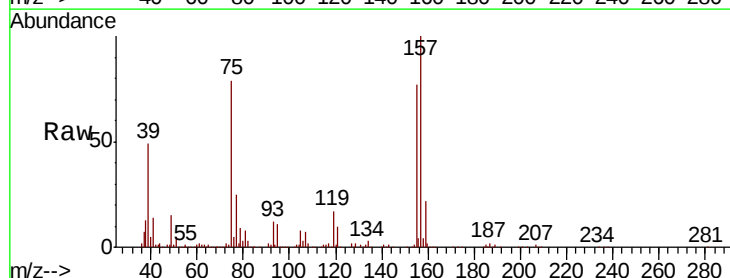
Tgt Ion: 75 Resp: 168051

Ion Ratio Lower Upper

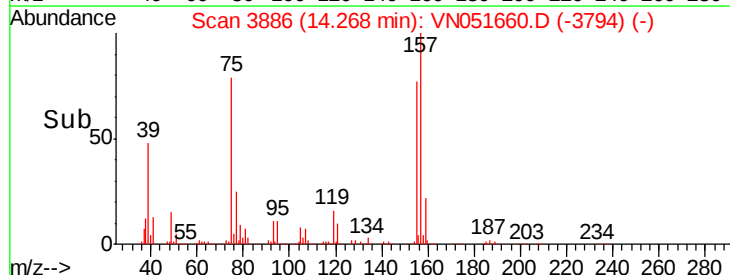
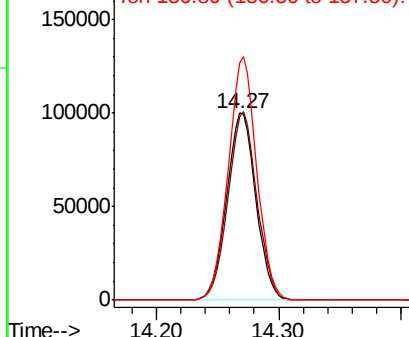
75 100

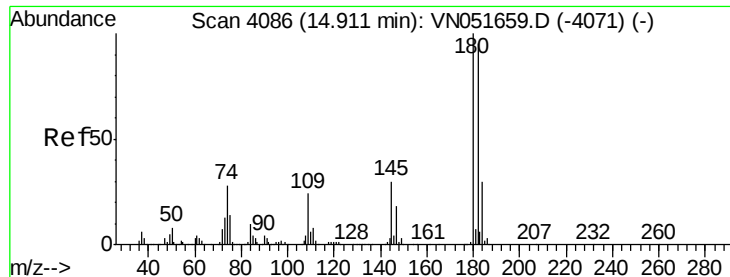
155 98.9 47.6 142.9

157 126.2 61.7 185.1



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





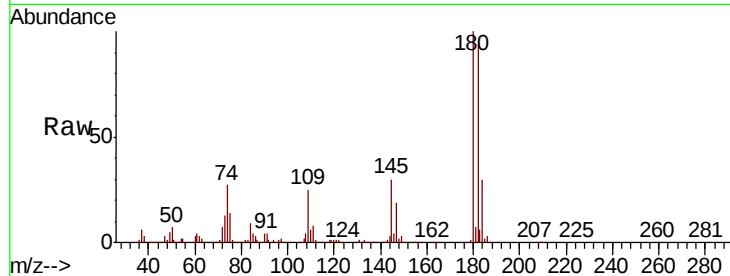
#93
 1,2,4-Trichlorobenzene
 Concen: 108.948 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051660.D
 Acq: 4 Oct 2018 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.7	143.1
145	30.7	15.3	45.9

Manual Integrations
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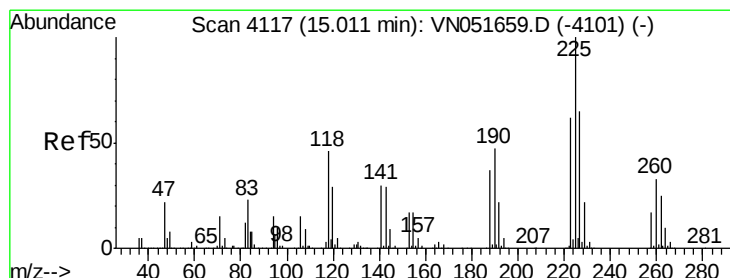
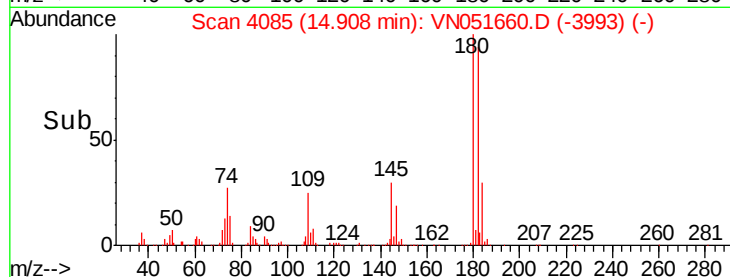
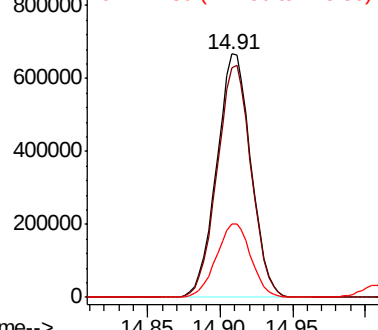


Abundance

Ion 179.80 (179.50 to 180.50): V

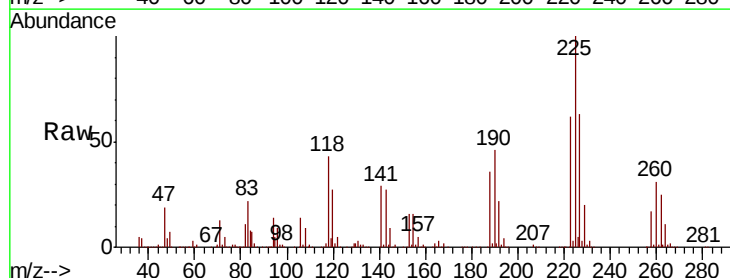
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 93.143 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051660.D
 Acq: 4 Oct 2018 12:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.5
227	64.6	31.7	95.1

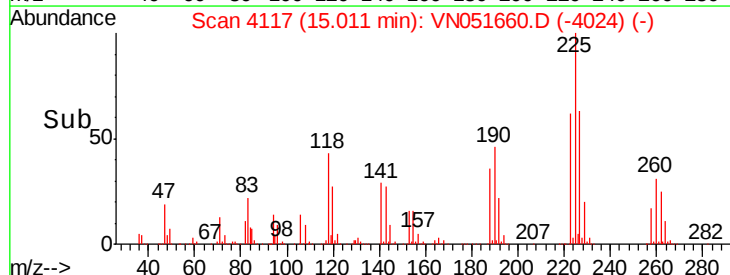
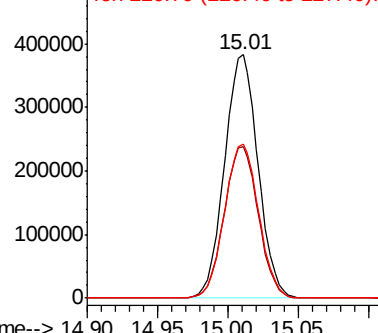


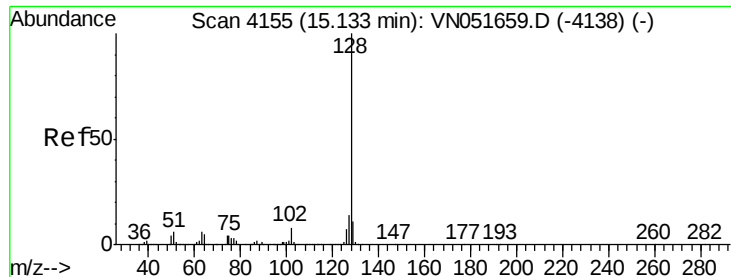
Abundance

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





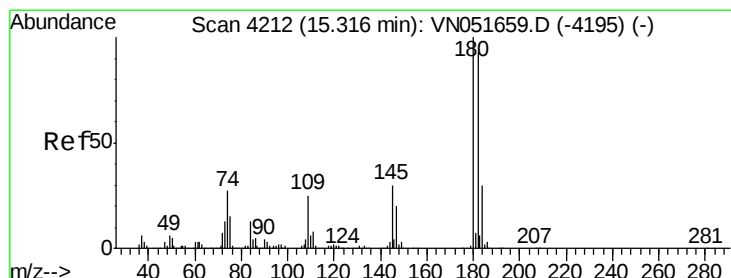
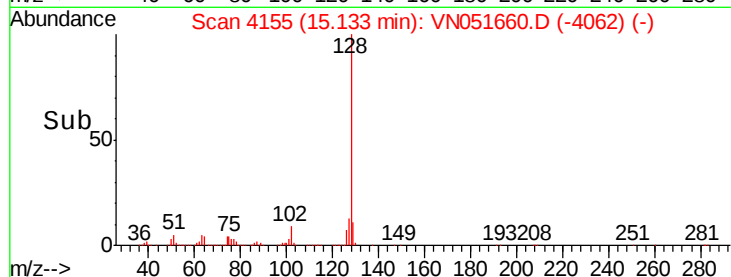
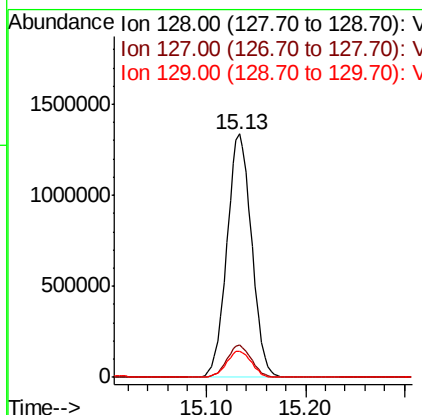
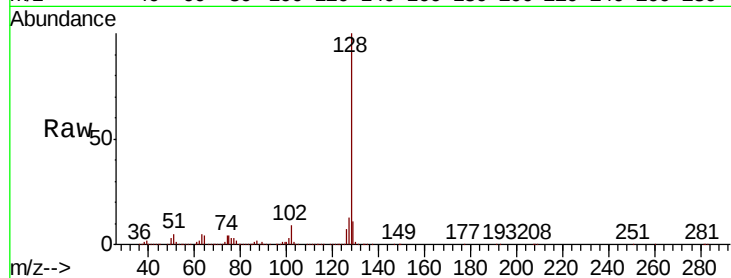
#95
Naphthalene
Concen: 107.706 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.9	9.0	13.6

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#96
1,2,3-Trichlorobenzene
Concen: 104.388 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051660.D
Acq: 4 Oct 2018 12:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	141.8
145	31.8	15.6	46.8

