

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050121.D
 Acq On : 27 Jul 2018 8:12
 Operator : MD\SY
 Sample : J4184-05MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BSMS

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 12:17:04 PM

Quant Time: Jul 27 08:50:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	732448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1140138	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1034398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	530320	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	502776	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	7.59	113	454445	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	10.09	98	1664287	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.40	95	573705	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	469825	44.64	ug/l	99
3) Chloromethane	2.06	50	489696	42.81	ug/l	100
4) Vinyl Chloride	2.18	62	547300	45.43	ug/l	96
5) Bromomethane	2.56	94	112136	16.08	ug/l	99
6) Chloroethane	2.70	64	324700	44.88	ug/l	100
7) Trichlorofluoromethane	3.01	101	706933	45.30	ug/l	100
8) Diethyl Ether	3.41	74	263945	50.73	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	392161	41.79	ug/l	99
10) Methyl Iodide	3.95	142	298961	24.82	ug/l	97
11) Tert butyl alcohol	4.80	59	181133	240.89	ug/l	100
12) 1,1-Dichloroethene	3.73	96	406337	48.13	ug/l	97
13) Acrolein	3.61	56	67505	111.74	ug/l	93
14) Allyl chloride	4.32	41	607327	46.40	ug/l	99
15) Acrylonitrile	4.99	53	761094	232.00	ug/l	100
16) Acetone	3.82	43	578906	240.33	ug/l	100
17) Carbon Disulfide	4.05	76	1165223	45.06	ug/l	99
18) Methyl Acetate	4.33	43	377251	39.97	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1194755	53.11	ug/l	100
20) Methylene Chloride	4.55	84	459690	50.75	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	434948	48.62	ug/l	98
22) Diisopropyl ether	5.96	45	1359887	52.39	ug/l	99
23) Vinyl Acetate	5.90	43	3451952	188.20	ug/l	100
24) 1,1-Dichloroethane	5.85	63	822541	48.46	ug/l	100
25) 2-Butanone	6.84	43	893819	229.31	ug/l	99
26) 2,2-Dichloropropane	6.83	77	332379	25.74	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	499386	51.86	ug/l	95
28) Bromochloromethane	7.20	49	381578	49.29	ug/l	97
29) Tetrahydrofuran	7.22	42	590993	234.63	ug/l	98
30) Chloroform	7.37	83	830148	47.93	ug/l	98
31) Cyclohexane	7.66	56	667313	47.41	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	705814	47.64	ug/l	99
36) 1,1-Dichloropropene	7.80	75	612810	47.71	ug/l	99
37) Ethyl Acetate	6.93	43	313820	35.04	ug/l	99
38) Carbon Tetrachloride	7.78	117	617833	45.33	ug/l	99

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

39) Methylcyclohexane	9.08	83	610511	46.20	ug/l	97
40) Benzene	8.04	78	3667336	93.82	ug/l	99
41) Methacrylonitrile	7.18	41	238115	50.99	ug/l #	76
42) 1,2-Dichloroethane	8.13	62	593114	45.48	ug/l	99
43) Isopropyl Acetate	8.17	43	693873	40.91	ug/l	99
44) Trichloroethene	8.84	130	495958	47.22	ug/l	99
45) 1,2-Dichloropropane	9.12	63	485362	46.88	ug/l	98
46) Dibromomethane	9.21	93	296455	46.12	ug/l	98
47) Bromodichloromethane	9.40	83	632508	46.62	ug/l	99
48) Methyl methacrylate	9.20	41	375574	48.69	ug/l	99
49) 1,4-Dioxane	9.20	88	100831	960.61	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	2011295	228.45	ug/l	99
52) Toluene	10.16	92	1386329	60.08	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	577947	45.14	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	654396	44.72	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	428759	46.85	ug/l	99
56) Ethyl methacrylate	10.43	69	561759	45.50	ug/l	98
57) 1,3-Dichloropropane	10.71	76	715271	48.00	ug/l	100
59) 2-Hexanone	10.75	43	1346258	208.97	ug/l	98
60) Dibromochloromethane	10.90	129	478351	47.21	ug/l	98
61) 1,2-Dibromoethane	11.01	107	423803	46.67	ug/l	98
64) Tetrachloroethene	10.63	164	426524	42.89	ug/l	99
65) Chlorobenzene	11.44	112	1244517	47.63	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	470036	46.82	ug/l	99
67) Ethyl Benzene	11.51	91	3389001	80.74	ug/l	100
68) m/p-Xylenes	11.62	106	1909660	120.29	ug/l	99
69) o-Xylene	11.95	106	1027899	67.92	ug/l	99
70) Stvrene	11.97	104	1267191	47.13	ug/l	97
71) Bromoform	12.13	173	330912	45.31	ug/l #	98
73) Isopropylbenzene	12.25	105	2403841	58.45	ug/l	100
74) N-amyl acetate	12.07	43	475749	37.85	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	547156	49.80	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	445894m	45.24	ug/l	
77) Bromobenzene	12.53	156	569535	49.96	ug/l	93
78) n-propylbenzene	12.59	91	2432845	52.92	ug/l	100
79) 2-Chlorotoluene	12.68	91	1485186	52.12	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1769529	54.70	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	101803	32.76	ug/l	97
82) 4-Chlorotoluene	12.77	91	1431287	50.72	ug/l	99
83) tert-Butylbenzene	12.99	119	1508785	53.44	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2014246	61.77	ug/l	99
85) sec-Butylbenzene	13.17	105	1988195	52.70	ug/l	100
86) p-Isopropyltoluene	13.29	119	1742554	54.82	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	951947	49.26	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	928453	49.29	ug/l	100
89) n-Butylbenzene	13.62	91	1423883	54.47	ug/l	98
90) Hexachloroethane	13.88	117	280156	39.69	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	938499	48.58	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	88824	48.44	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	527411	51.39	ug/l	98

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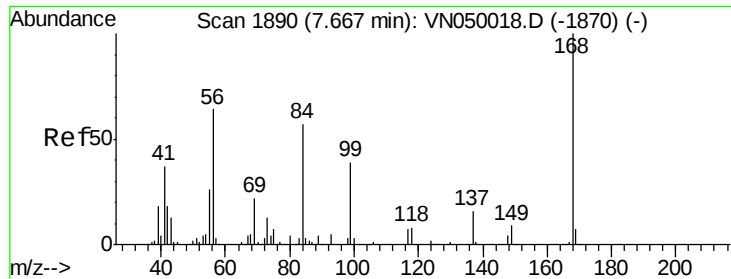
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	272124	46.02	ug/l	99
95) Naphthalene	15.14	128	3731017	144.86	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	522322	52.24	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMS

Tot Ion:168 Resp: 732448

Ion Ratio Lower Upper

168 100

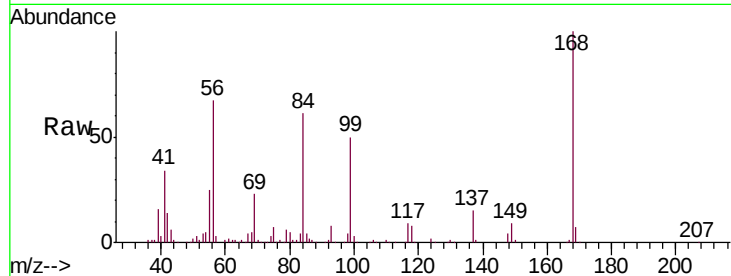
99 50.1 40.0 60.0

Manual Integrations

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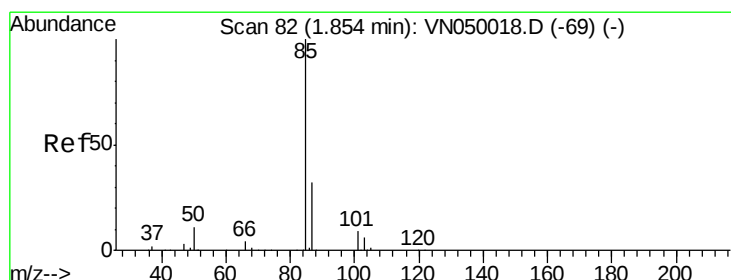
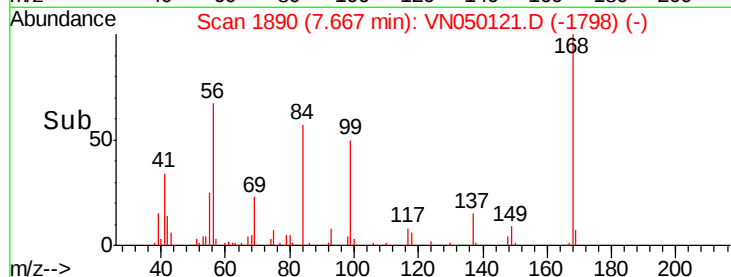
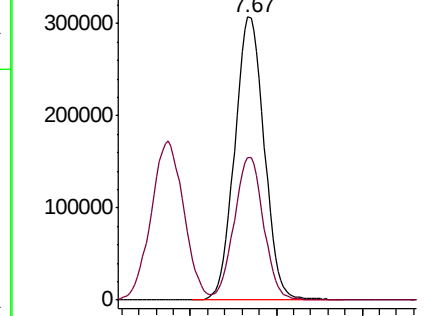
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.64 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050121.D

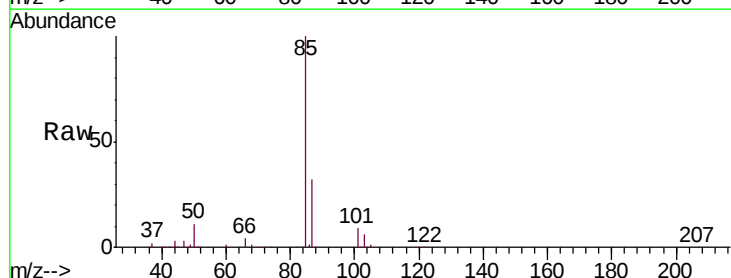
Acq: 27 Jul 2018 8:12

Tgt Ion: 85 Resp: 469825

Ion Ratio Lower Upper

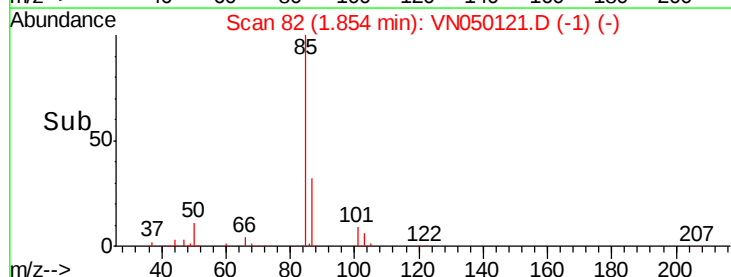
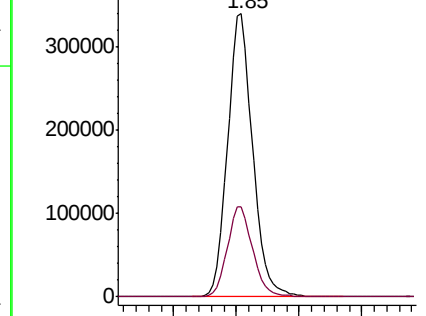
85 100

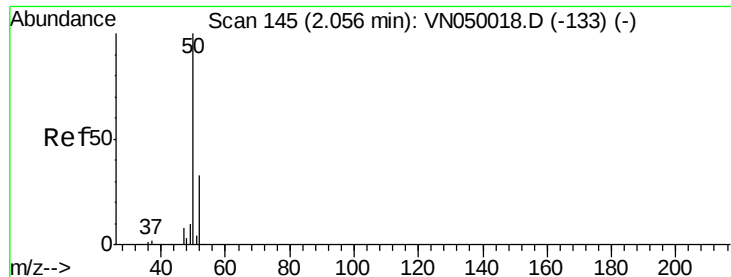
87 31.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.81 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

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ClientSampleId :

MW-7BSMS

Tot Ion: 50 Resp: 489696

Ion Ratio Lower Upper

50 100

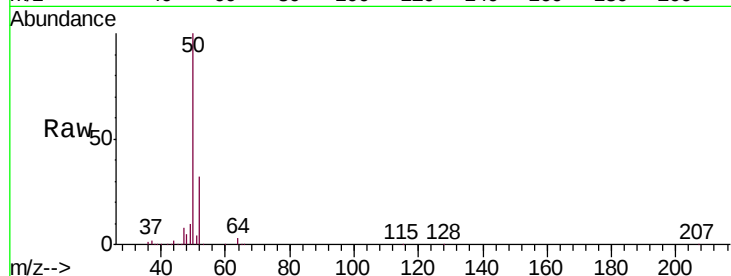
52 32.5 25.9 38.9

Manual Integrations

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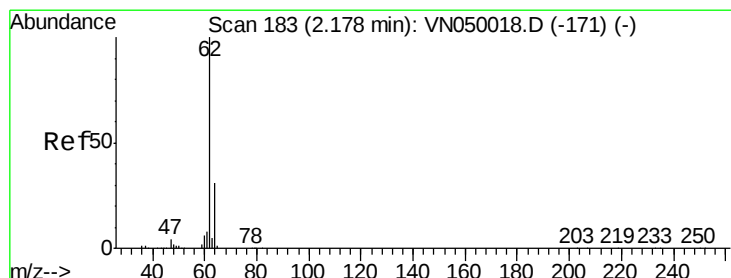
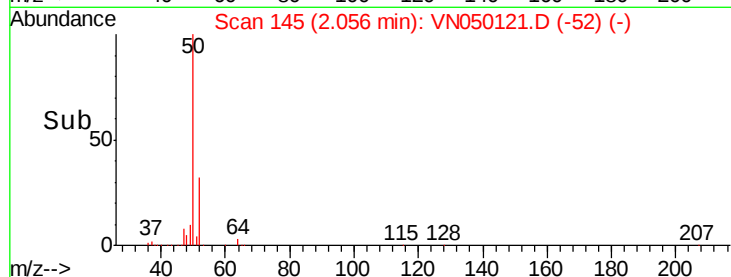
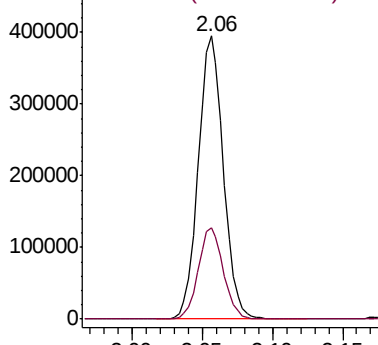
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.43 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050121.D

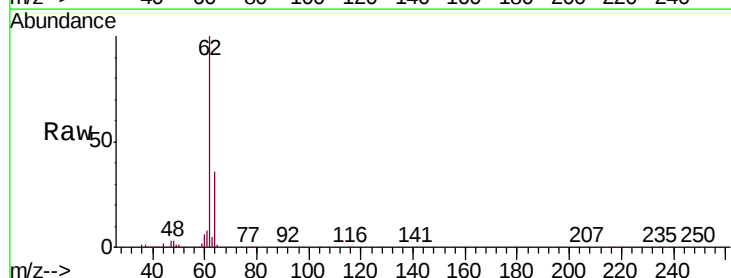
Acq: 27 Jul 2018 8:12

Tgt Ion: 62 Resp: 547300

Ion Ratio Lower Upper

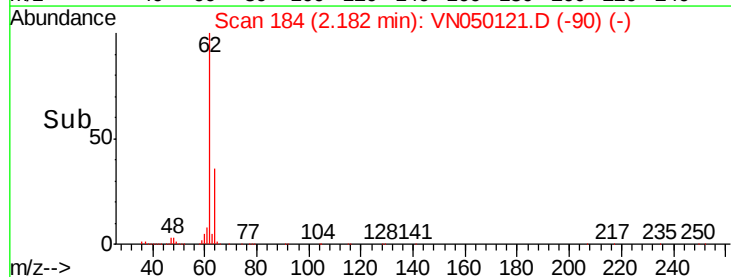
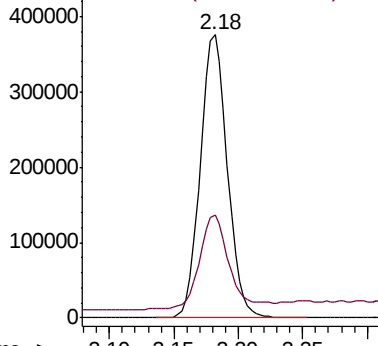
62 100

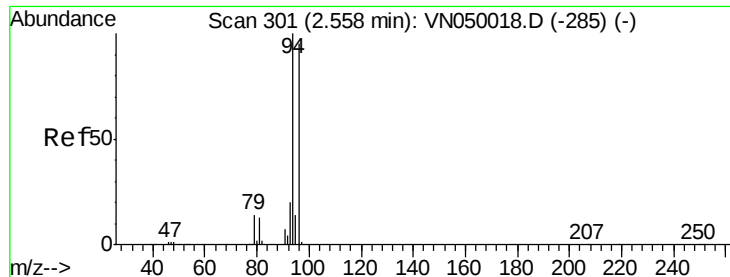
64 33.1 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 16.08 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 112136

Ion Ratio Lower Upper

94 100

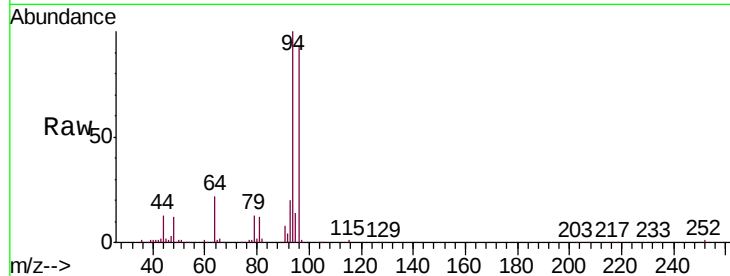
96 92.5 74.6 112.0

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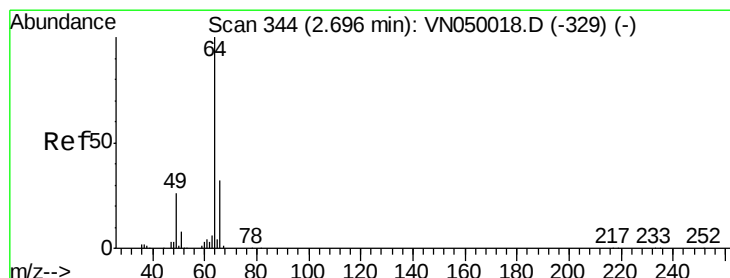
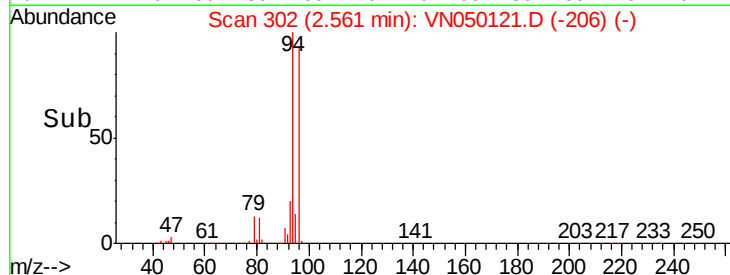
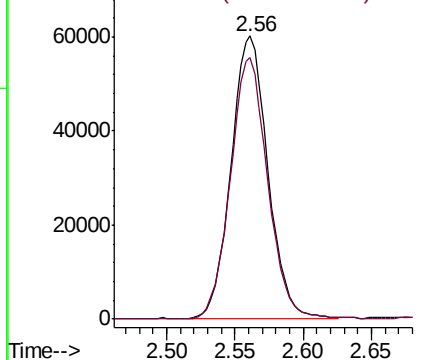
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.88 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050121.D

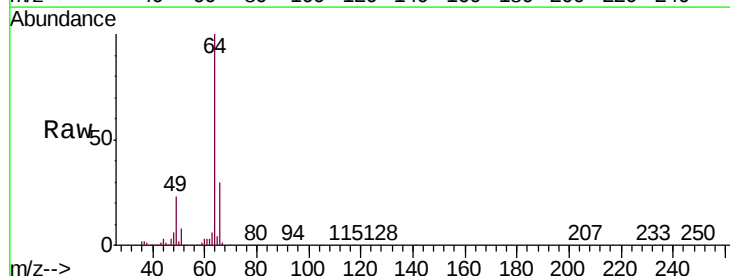
Acq: 27 Jul 2018 8:12

Tgt Ion: 64 Resp: 324700

Ion Ratio Lower Upper

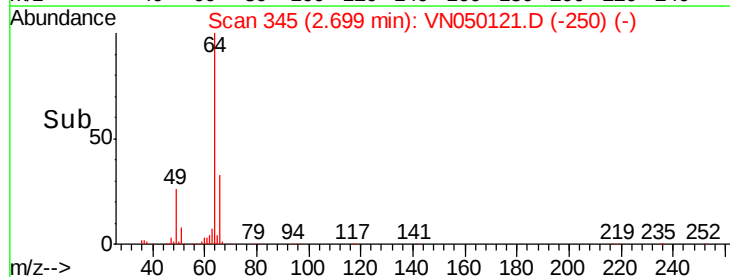
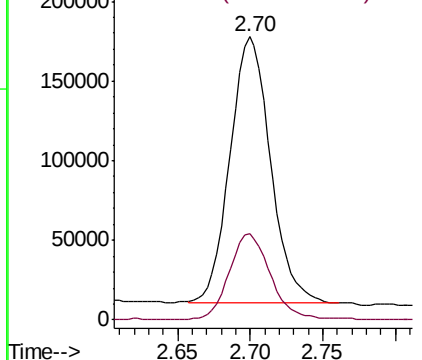
64 100

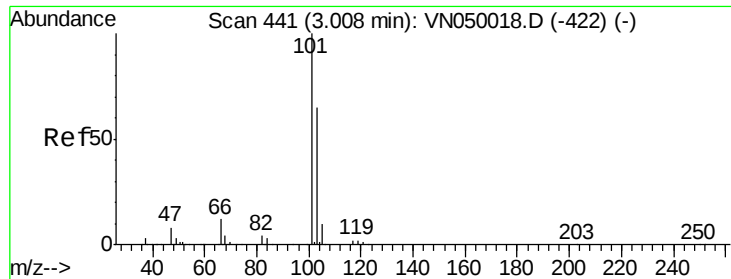
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 45.30 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Tot Ion: 101 Resp: 706933

Ion Ratio Lower Upper

101 100

103 64.9 51.7 77.5

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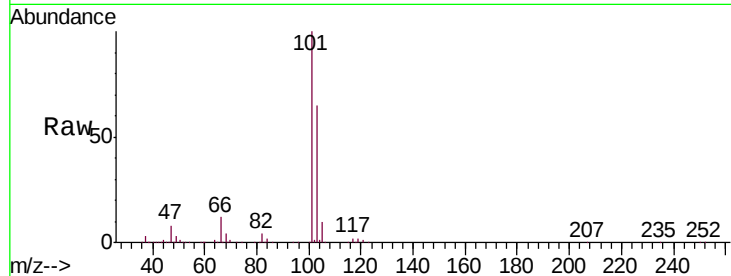
MW-7BSMS

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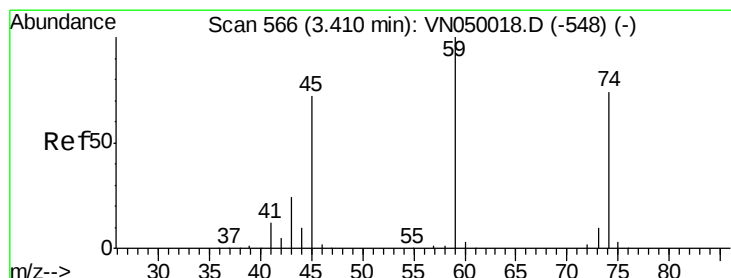
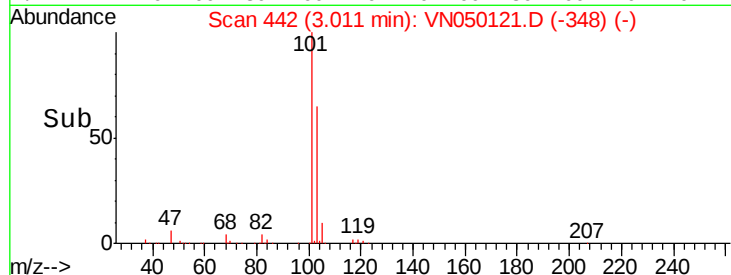
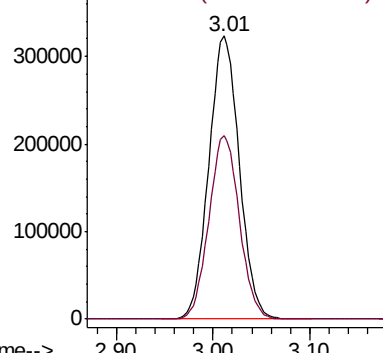
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 50.73 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050121.D

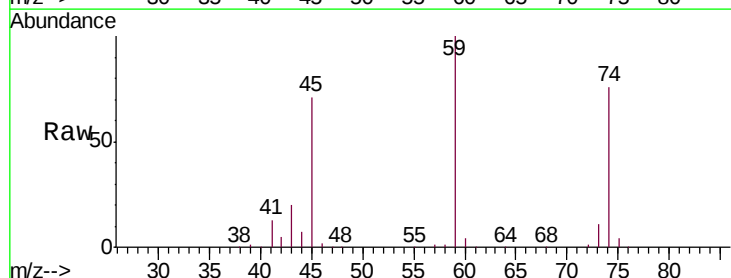
Acq: 27 Jul 2018 8:12

Tgt Ion: 74 Resp: 263945

Ion Ratio Lower Upper

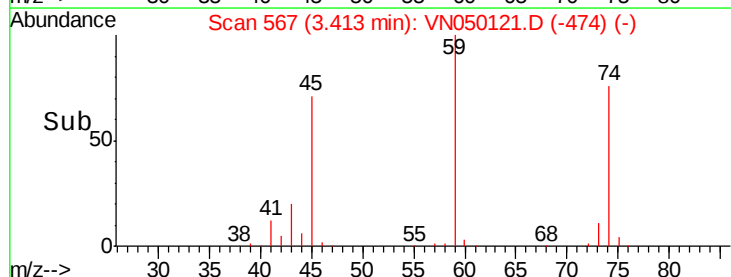
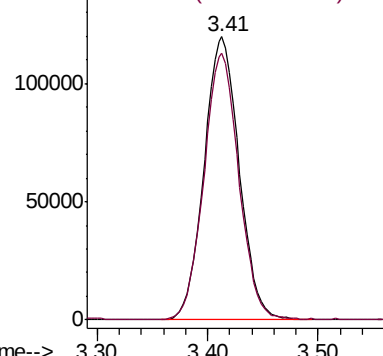
74 100

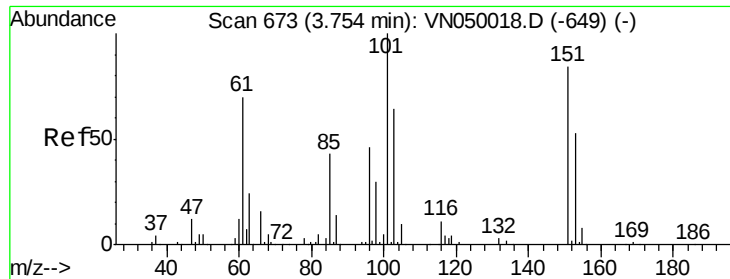
45 93.0 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.79 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

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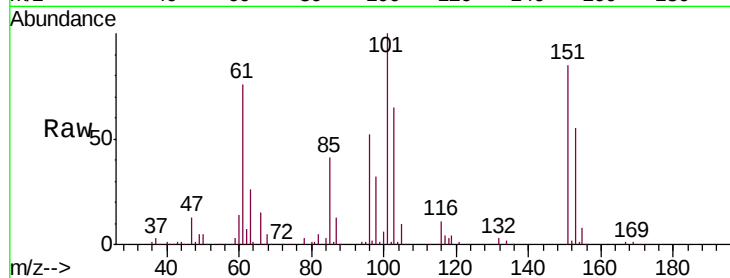
ClientSampleId :

MW-7BSMS

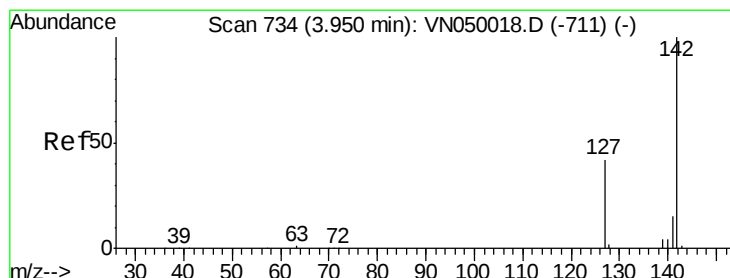
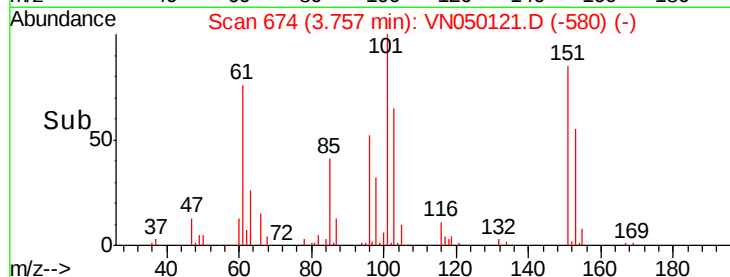
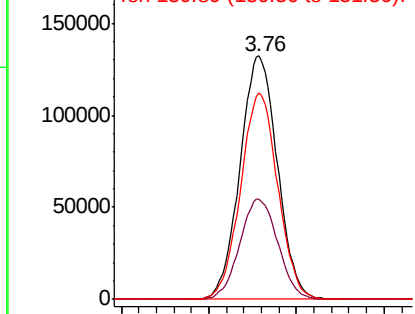
Tot Ion:	101	Resp:	392161
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.2	51.2
151	84.1	66.3	99.5

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



#10

Methyl Iodide

Concen: 24.82 ug/l

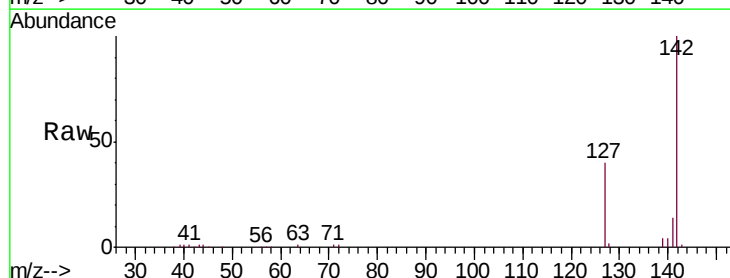
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

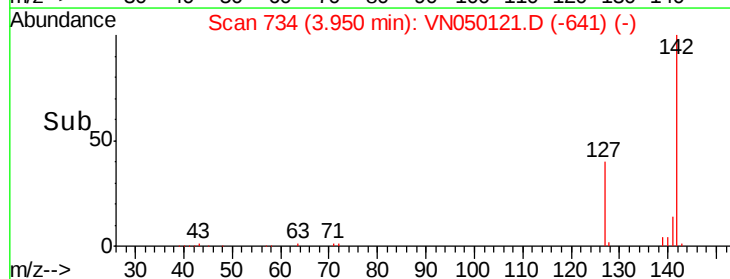
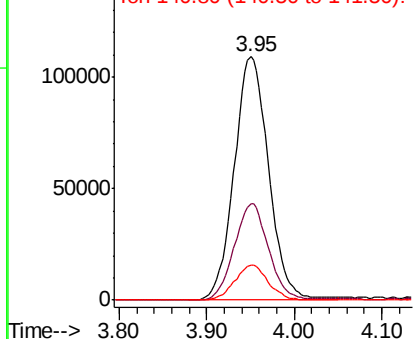
Lab File: VN050121.D

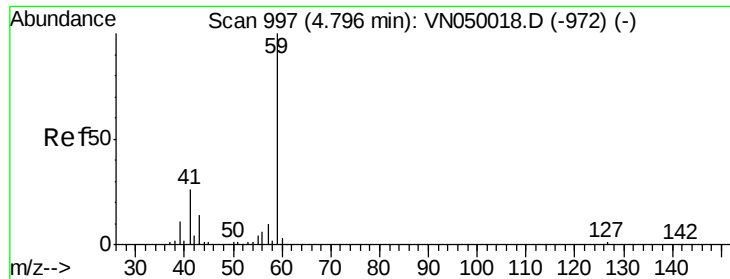
Acq: 27 Jul 2018 8:12

Tgt Ion:	142	Resp:	298961
Ion Ratio	Lower	Upper	
142	100		
127	39.5	33.4	50.2
141	14.0	11.6	17.4



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





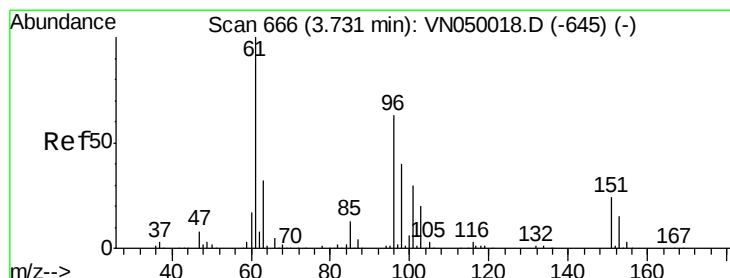
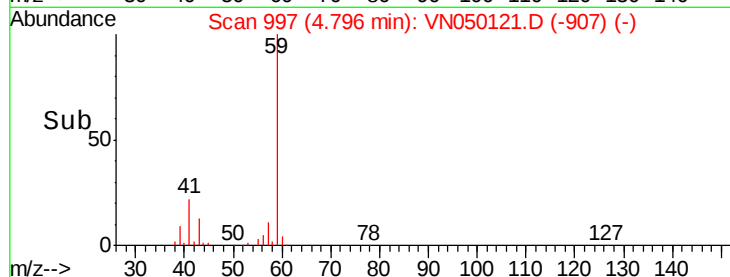
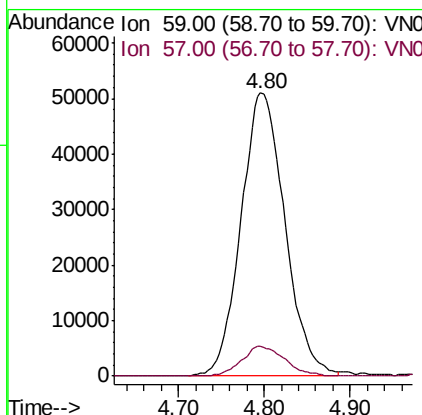
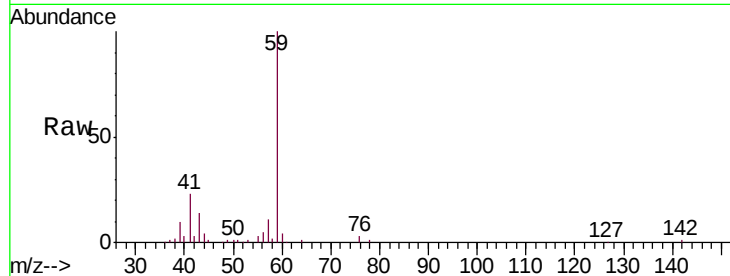
#11
Tert butyl alcohol
Concen: 240.89 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.01 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Instrument :
MSVOA_N
ClientSampled :
MW-7BSMS

Tot Ion: 59 Resp: 181133
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7

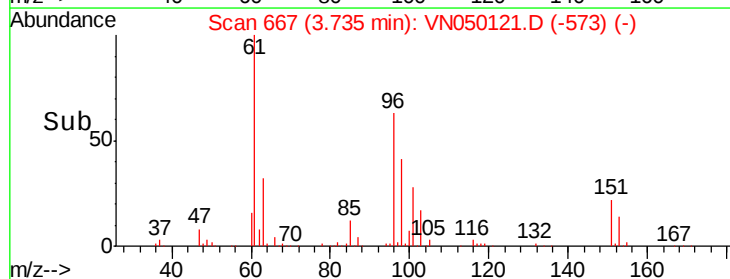
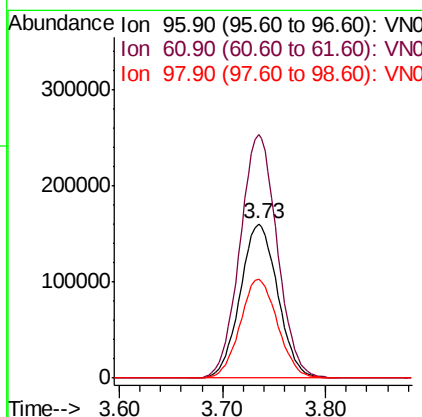
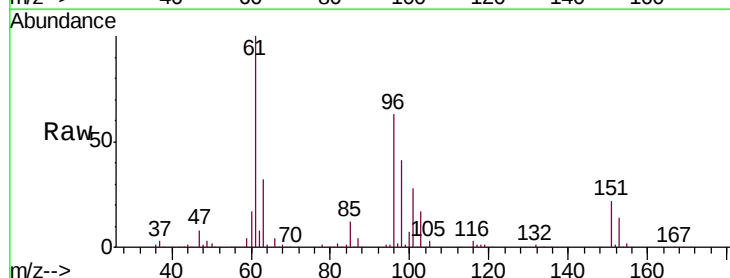
Manual Integrations
APPROVED

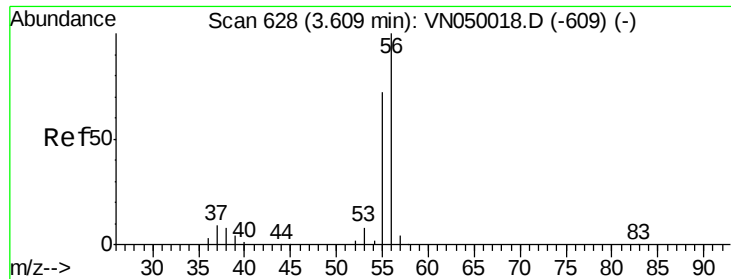
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.13 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Tgt Ion: 96 Resp: 406337
Ion Ratio Lower Upper
96 100
61 157.8 124.4 186.6
98 64.3 48.3 72.5





#13

Acrolein

Concen: 111.74 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMS

Tot Ion: 56 Resp: 67505

Ion Ratio Lower Upper

56 100

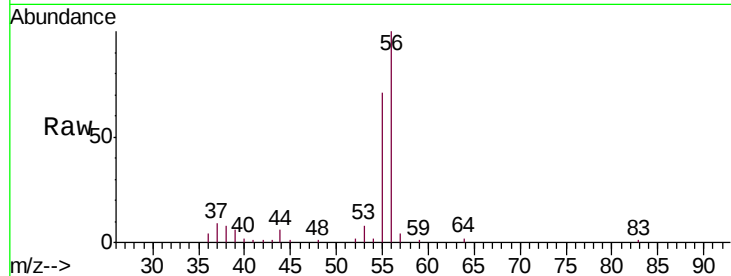
55 75.7 55.8 83.6

Manual Integrations

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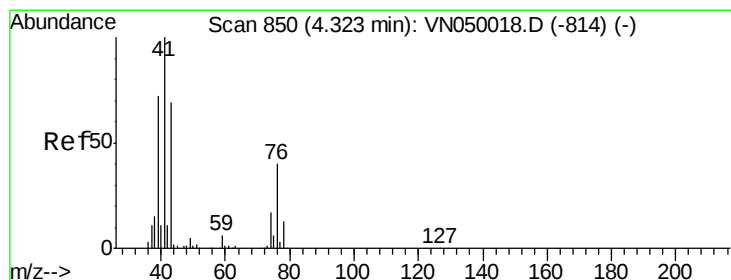
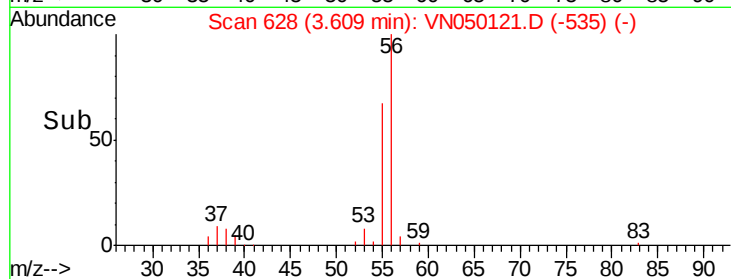
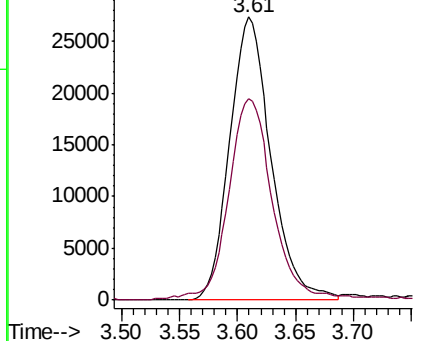
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.40 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

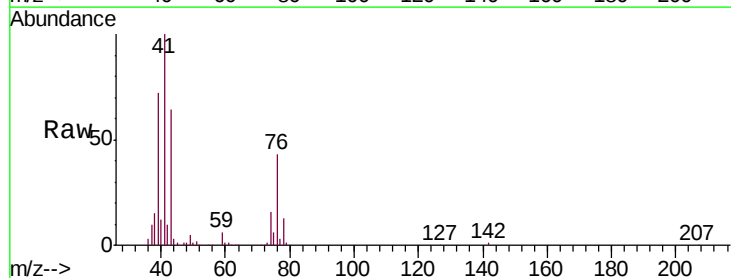
Tgt Ion: 41 Resp: 607327

Ion Ratio Lower Upper

41 100

39 67.8 54.2 81.4

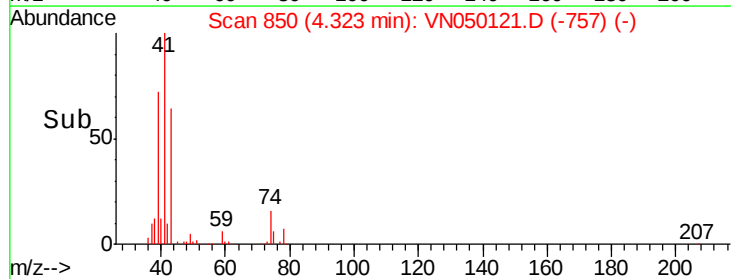
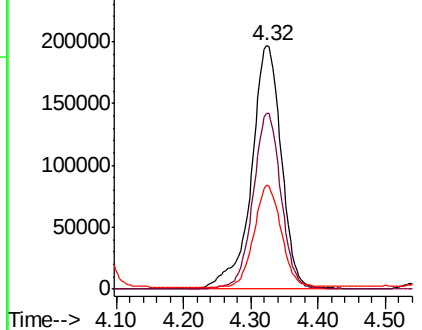
76 38.0 29.0 43.6

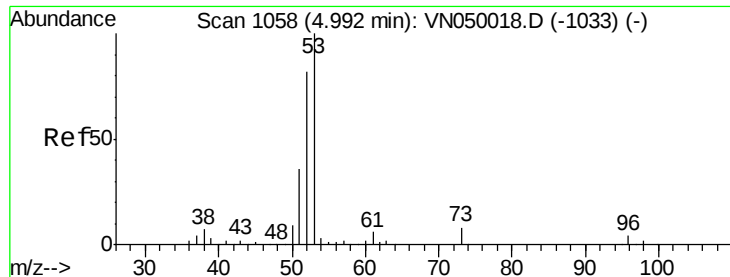


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 232.00 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

MSVOA_N

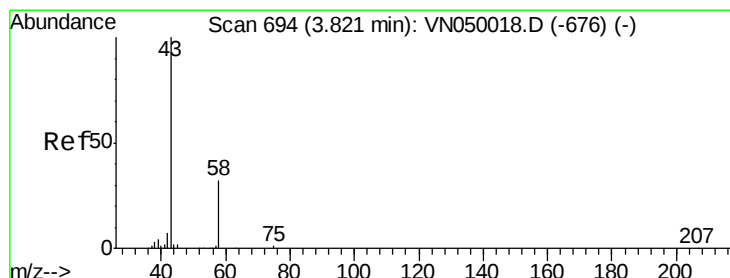
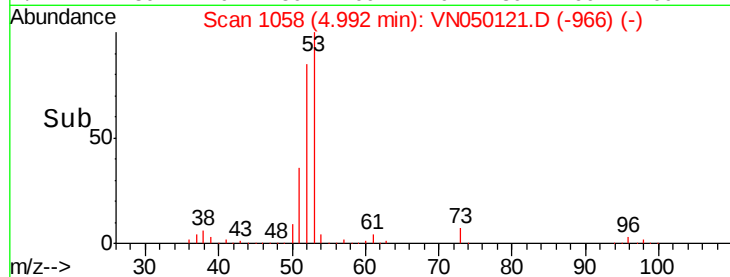
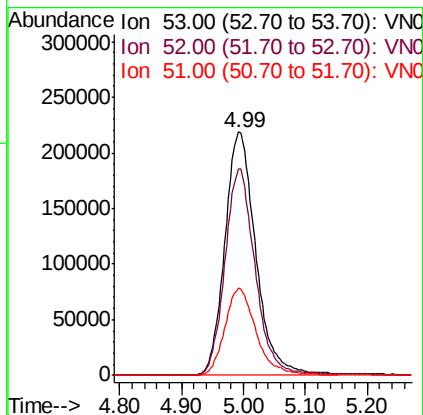
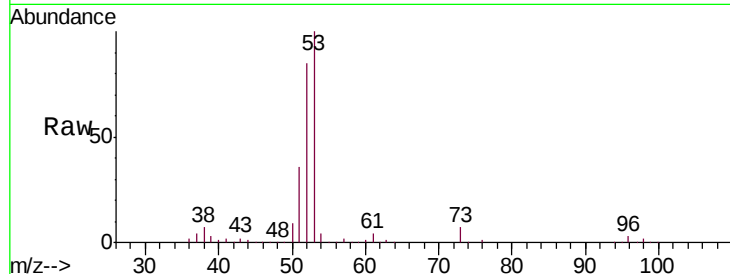
ClientSampleId :

MW-7BSMS

Tot Ion:	53	Resp:	761094
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.2	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 240.33 ug/l

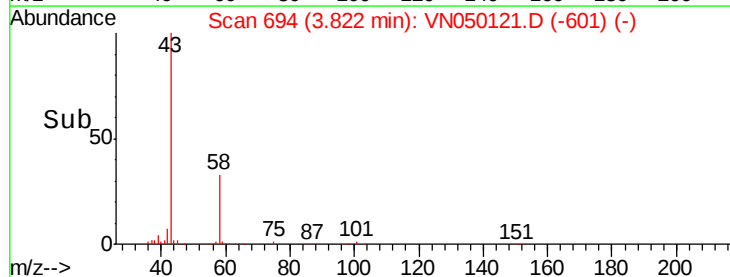
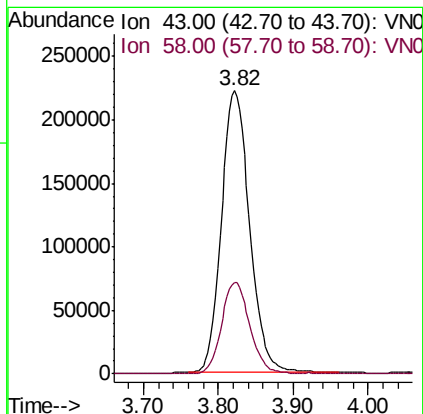
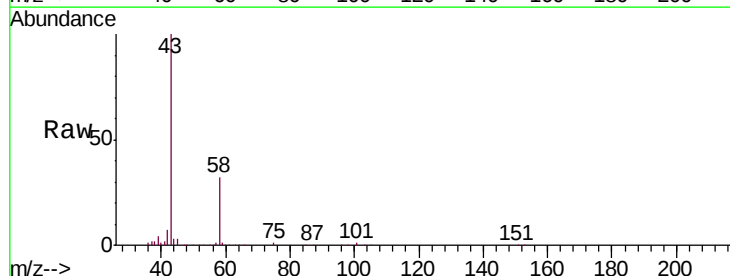
RT: 3.82 min Scan# 694

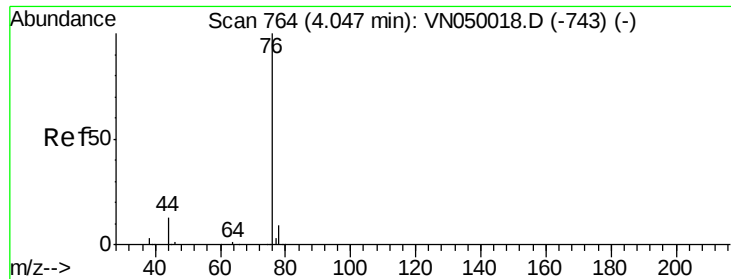
Delta R.T. -0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Tgt Ion:	43	Resp:	578906
Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.8	38.8





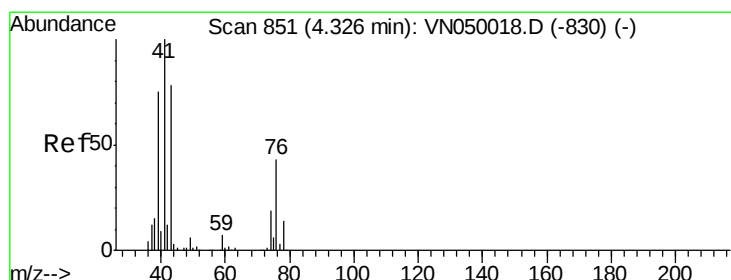
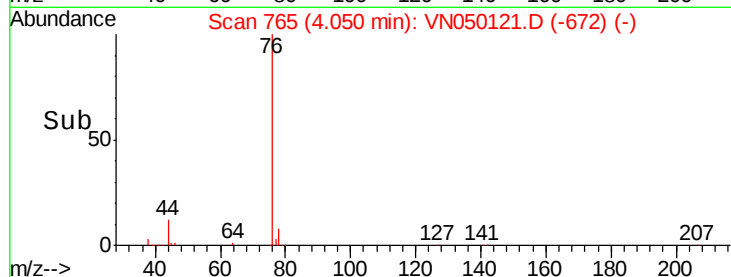
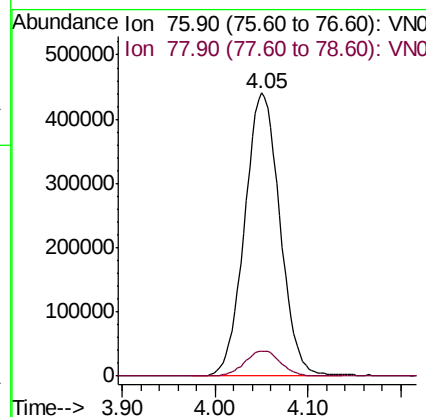
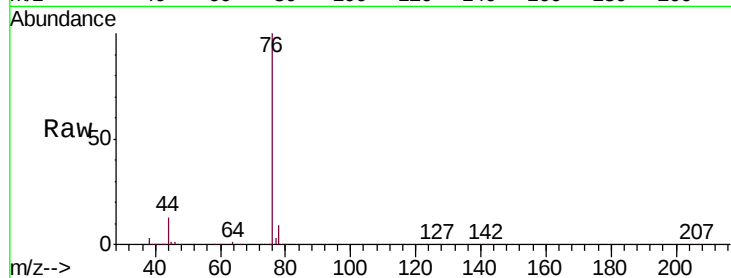
#17
Carbon Disulfide
Concen: 45.06 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMS

Tot Ion: 76 Resp: 1165223
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9

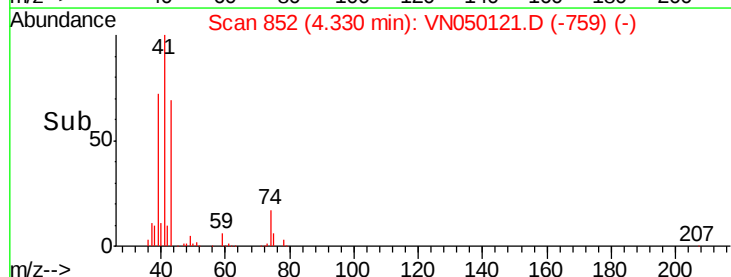
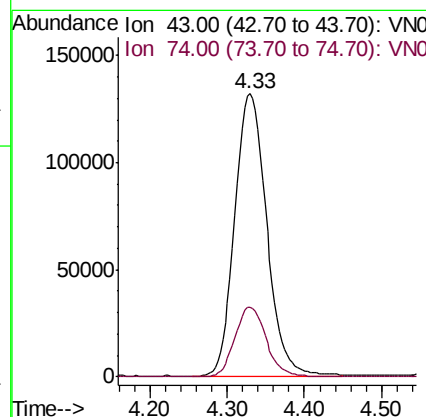
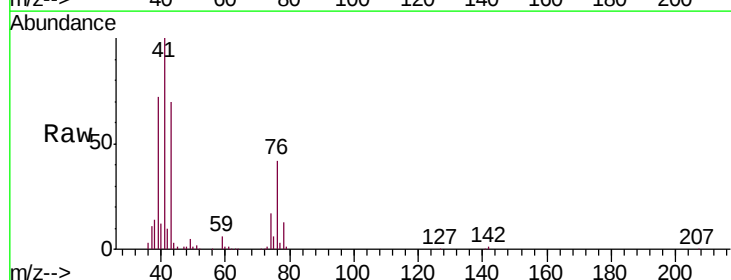
Manual Integrations
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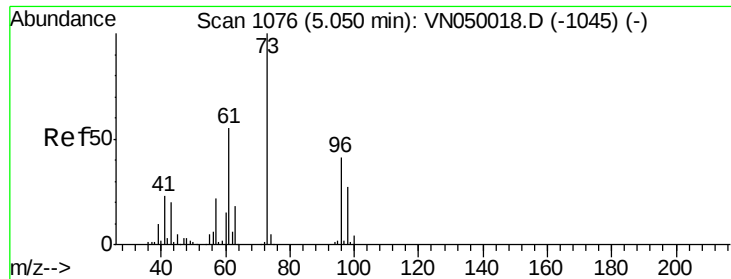
MMDadoda
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#18
Methyl Acetate
Concen: 39.97 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Tgt Ion: 43 Resp: 377251
Ion Ratio Lower Upper
43 100
74 24.4 19.2 28.8





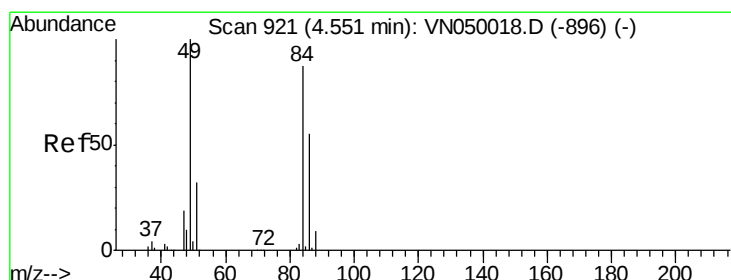
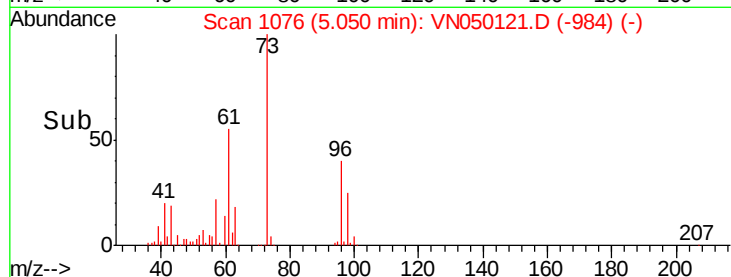
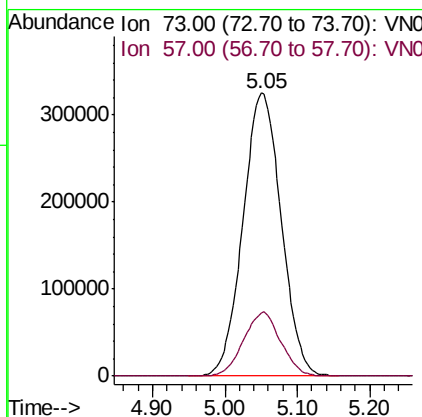
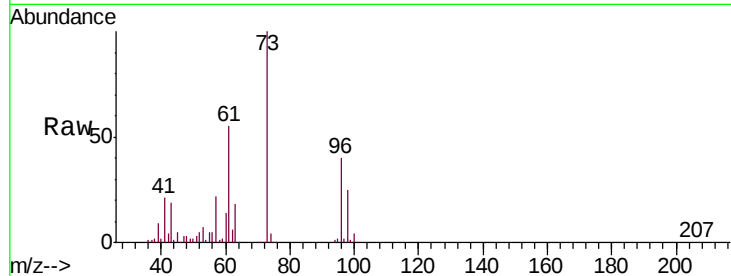
#19
Methvl tert-butvl Ether
Concen: 53.11 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMS

Tot Ion: 73 Resp: 1194755
Ion Ratio Lower Upper
73 100
57 22.3 18.0 27.0

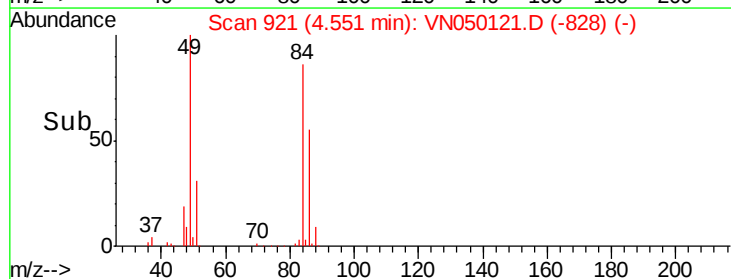
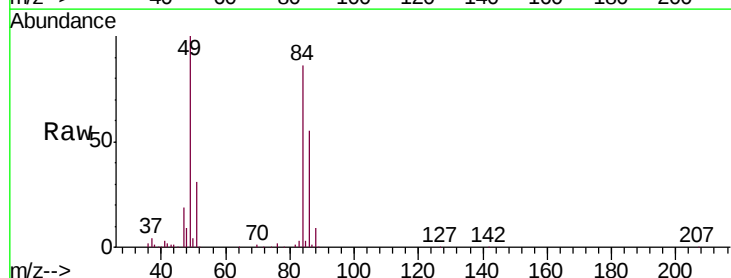
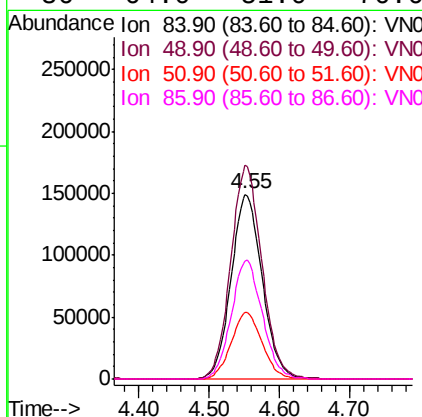
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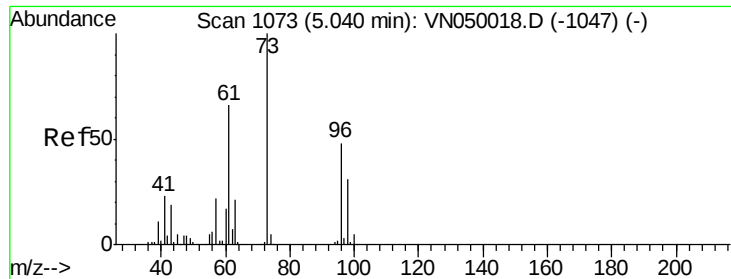
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#20
Methylene Chloride
Concen: 50.75 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Tgt Ion: 84 Resp: 459690
Ion Ratio Lower Upper
84 100
49 115.7 94.8 142.2
51 36.3 28.3 42.5
86 64.0 51.0 76.6





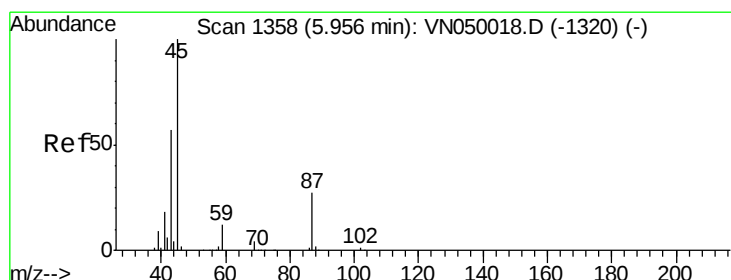
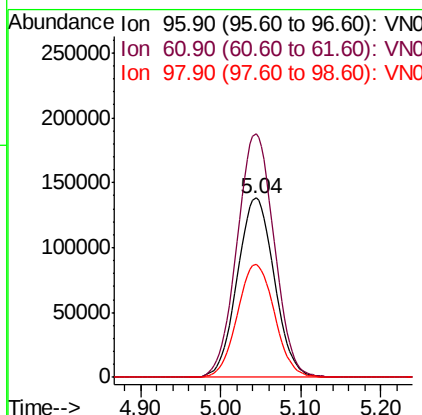
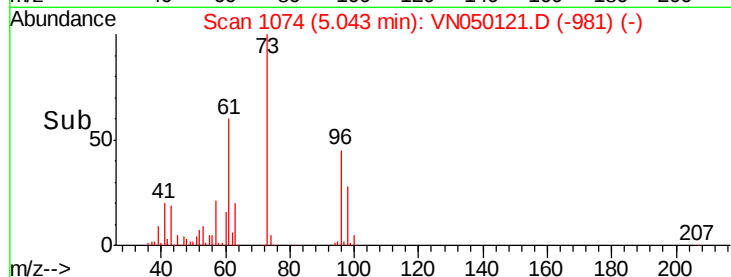
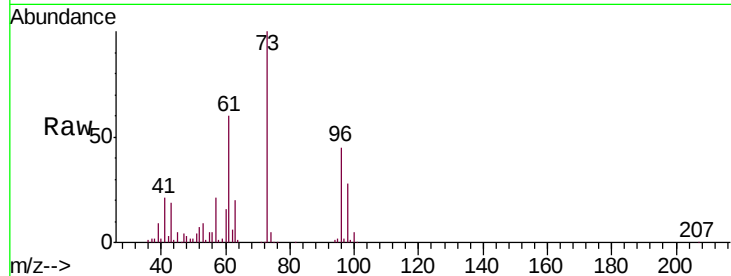
#21
trans-1,2-Dichloroethene
Concen: 48.62 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Instrument :
MSVOA_N
ClientSampled :
MW-7BSMS

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.7	110.7	166.1
98	62.9	51.6	77.4

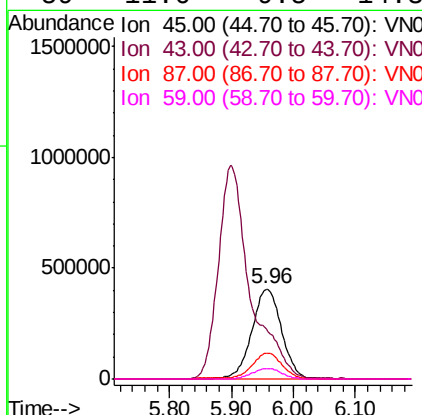
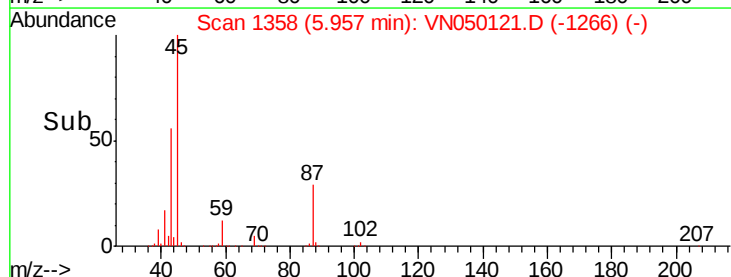
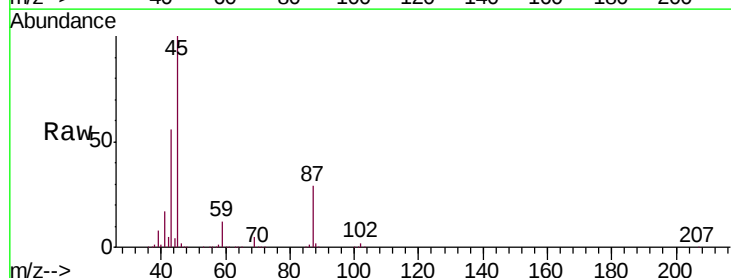
Manual Integrations
APPROVED

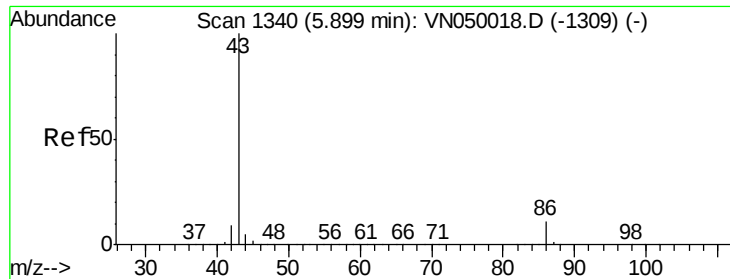
MMDadoda
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#22
Diisopropyl ether
Concen: 52.39 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.5	45.7	68.5
87	28.5	22.7	34.1
59	11.6	9.5	14.3





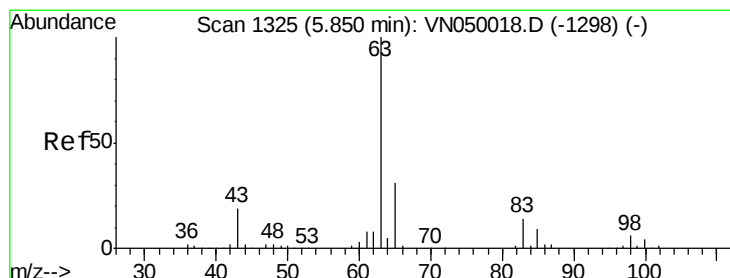
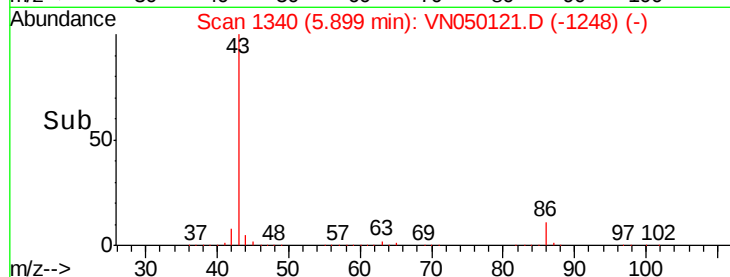
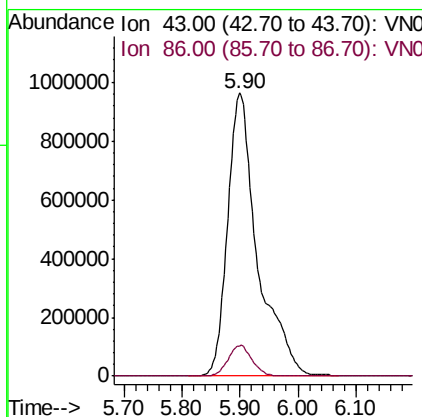
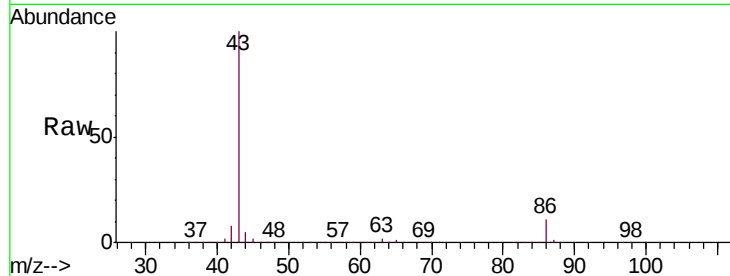
#23
 Vinyl Acetate
 Concen: 188.20 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050121.D
 Acq: 27 Jul 2018 8:12

Instrument :
 MSVOA_N
 ClientSampled :
 MW-7BSMS

Tot Ion: 43 Resp: 3451952
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.6 13.0

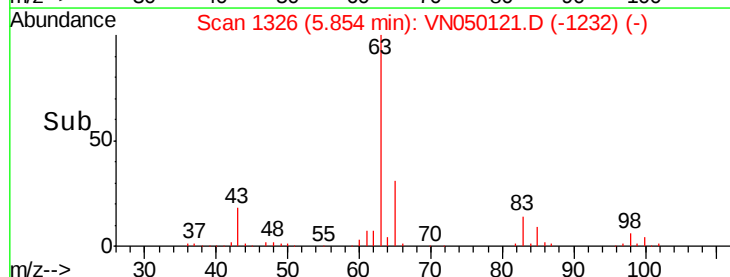
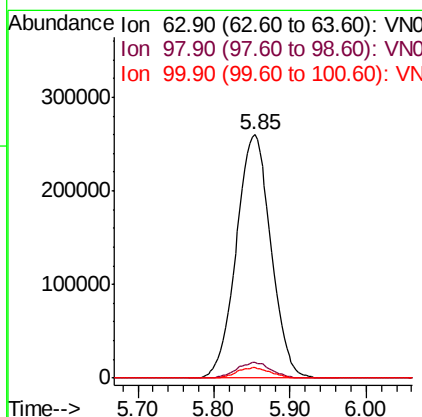
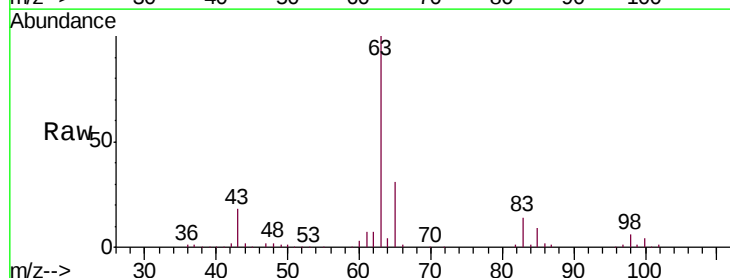
Manual Integrations
 APPROVED

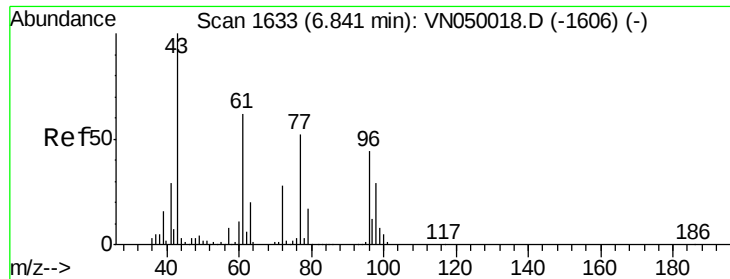
MMDadoda
 7/27/2018 12:17:04 PM



#24
 1,1-Dichloroethane
 Concen: 48.46 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050121.D
 Acq: 27 Jul 2018 8:12

Tgt Ion: 63 Resp: 822541
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.3 9.8
 100 4.1 2.1 6.3





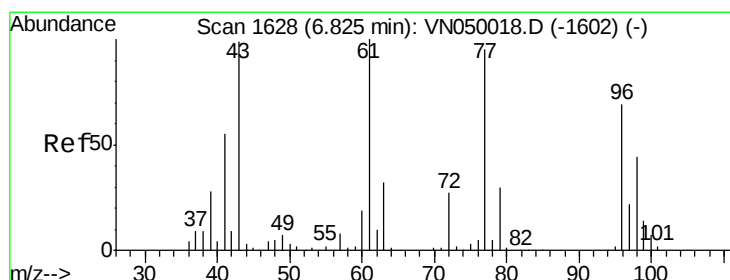
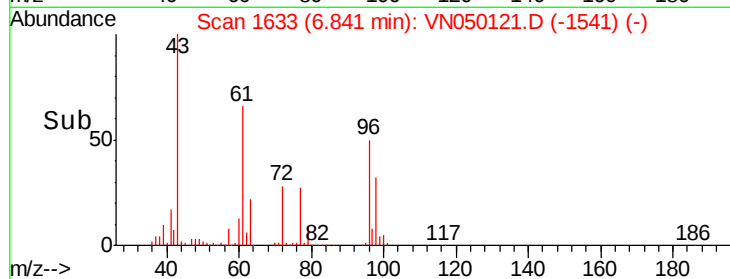
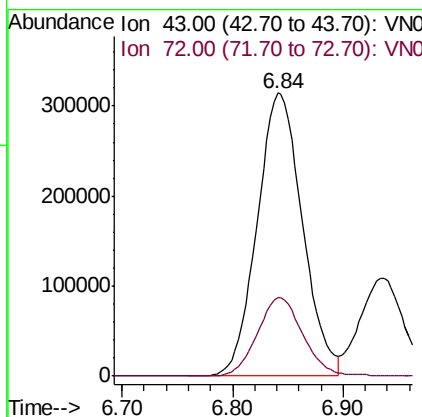
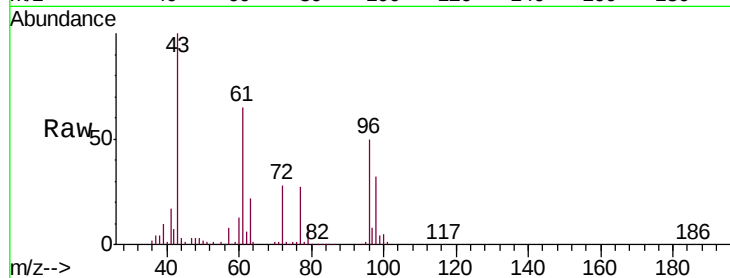
#25
2-Butanone
Concen: 229.31 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMS

Tot Ion: 43 Resp: 893819
Ion Ratio Lower Upper
43 100
72 27.6 21.5 32.3

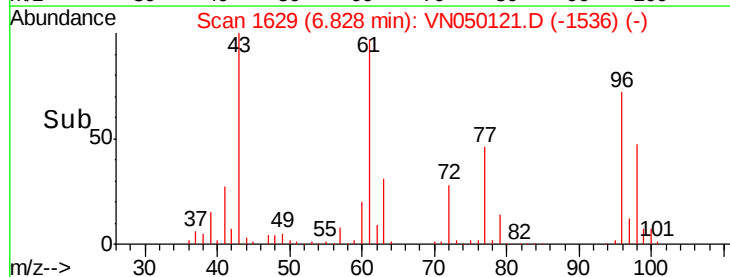
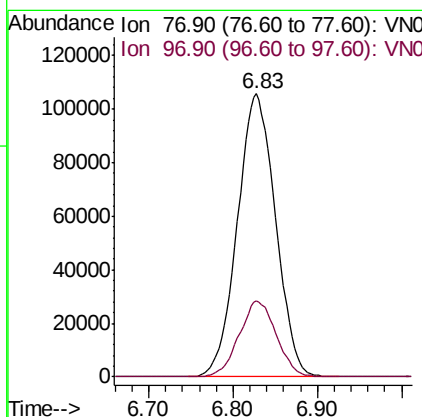
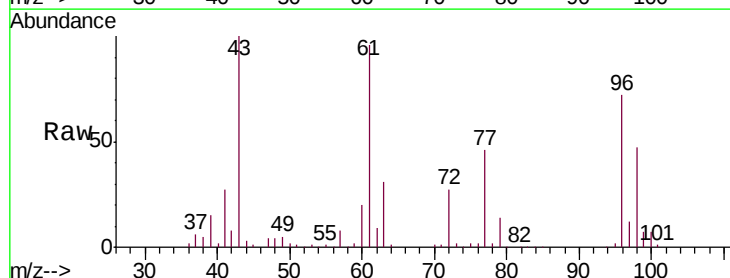
Manual Integrations
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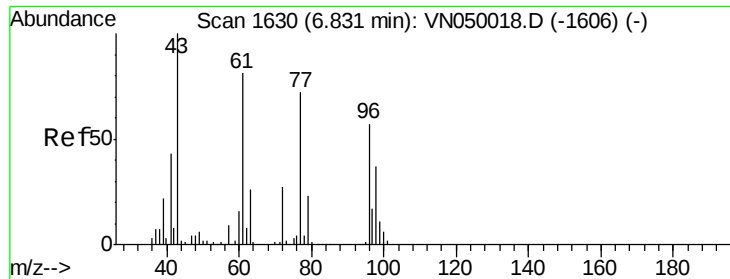
MMDadoda
7/27/2018 12:17:04 PM



#26
2,2-Dichloropropane
Concen: 25.74 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Tgt Ion: 77 Resp: 332379
Ion Ratio Lower Upper
77 100
97 26.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 51.86 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

MSVOA_N

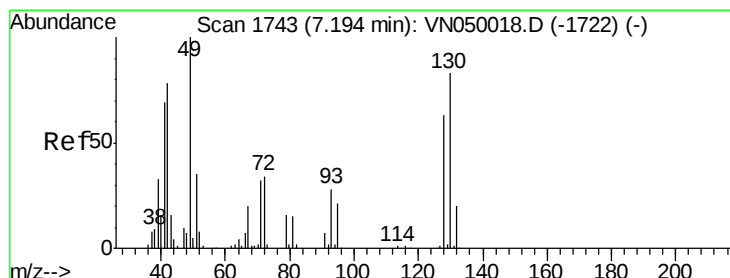
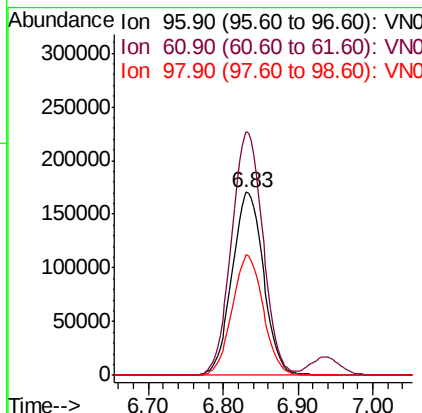
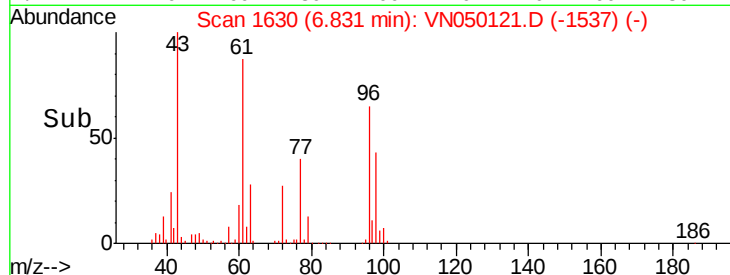
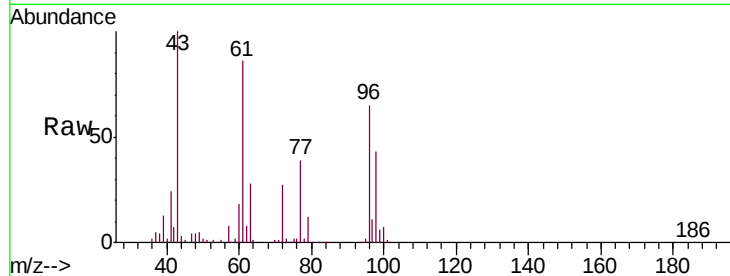
ClientSampled :

MW-7BSMS

Tot Ion:	96	Resp:	499386
Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	285.0
98	64.7	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 49.29 ug/l

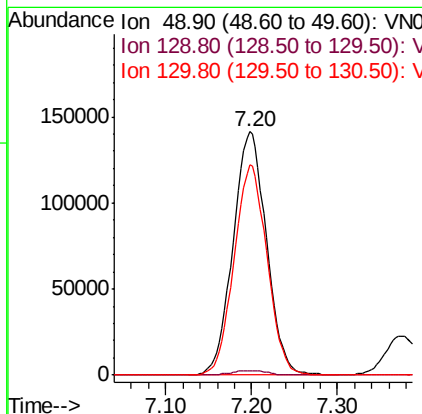
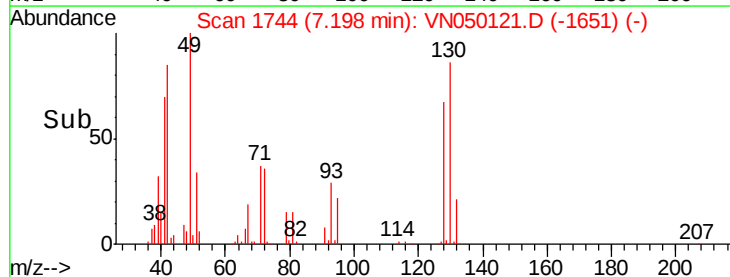
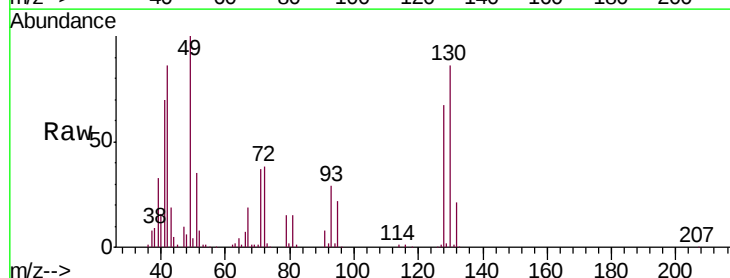
RT: 7.20 min Scan# 1744

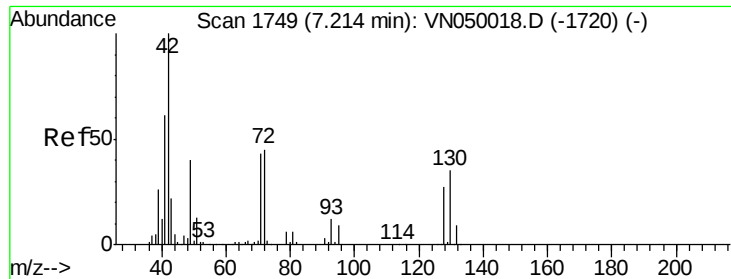
Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Tgt Ion:	49	Resp:	381578
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	85.2	66.3	99.5





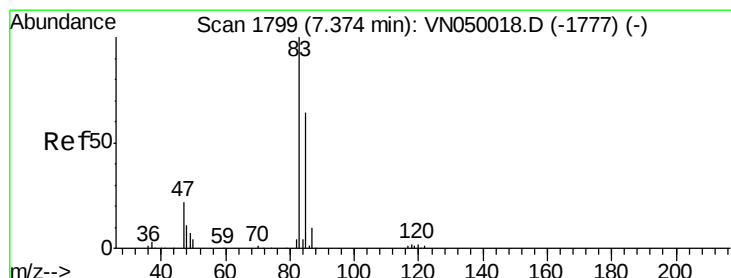
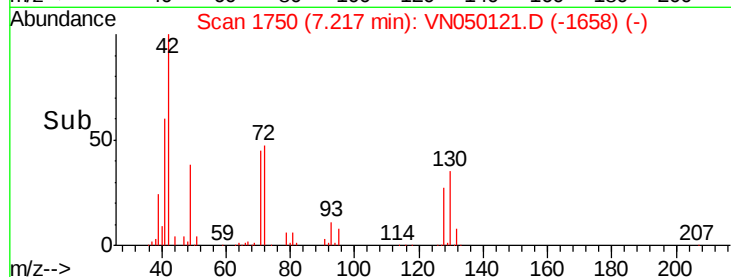
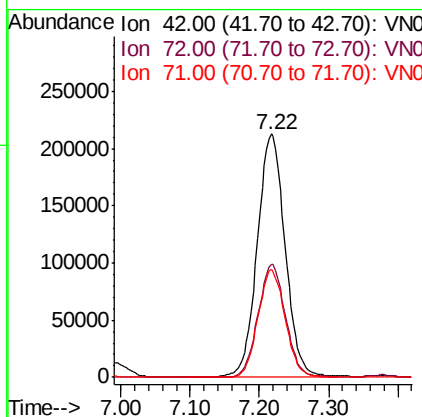
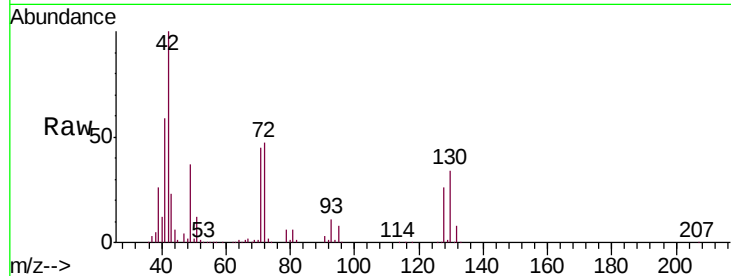
#29
Tetrahydrofuran
Concen: 234.63 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Instrument :
MSVOA_N
ClientSampled :
MW-7BSMS

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	35.9	53.9
71	43.3	33.7	50.5

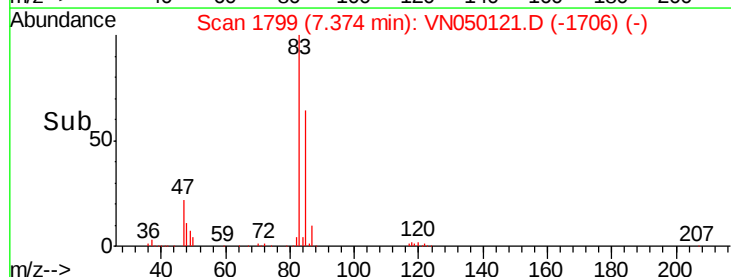
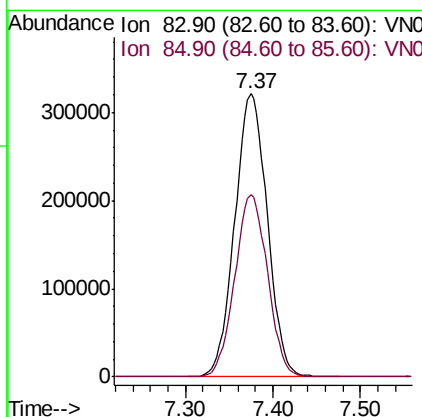
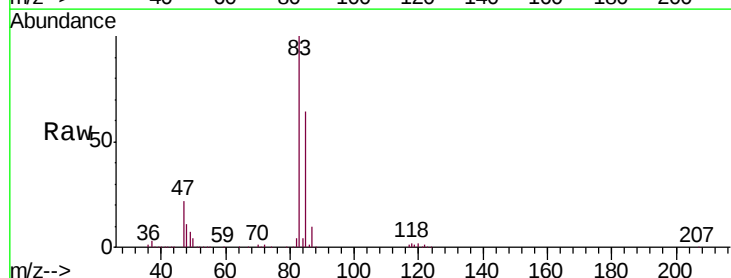
Manual Integrations
APPROVED

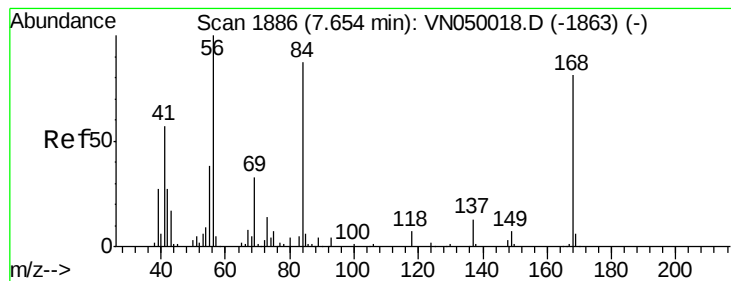
MMDadoda
7/27/2018 12:17:04 PM



#30
Chloroform
Concen: 47.93 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.5	78.7





#31

Cyclohexane

Concen: 47.41 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

MSVOA_N

ClientSampled :

MW-7BSMS

Tot Ion: 56 Resp: 667313

Ion Ratio Lower Upper

56 100

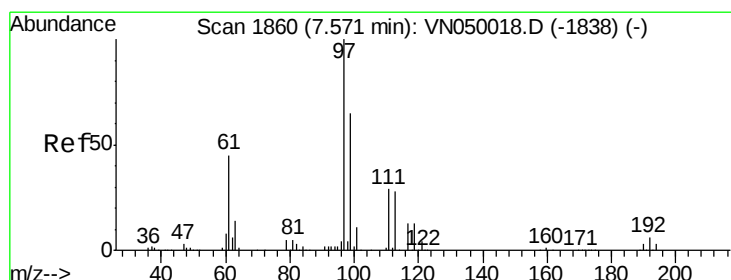
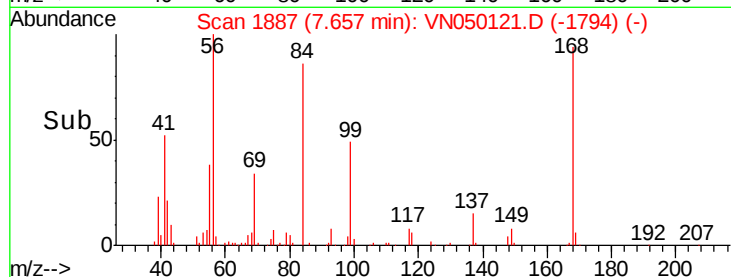
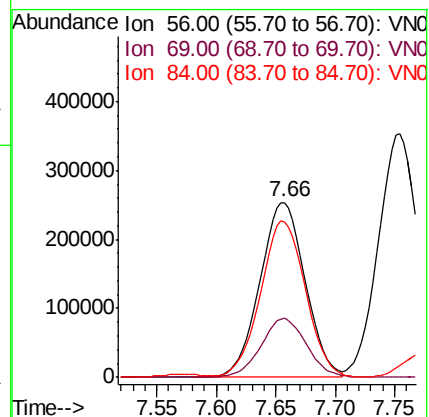
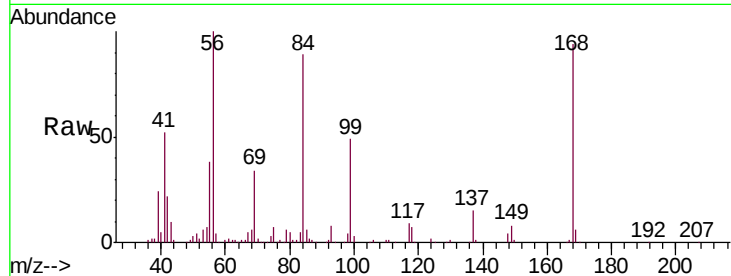
69 33.9 26.2 39.4

84 87.8 67.4 101.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.64 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

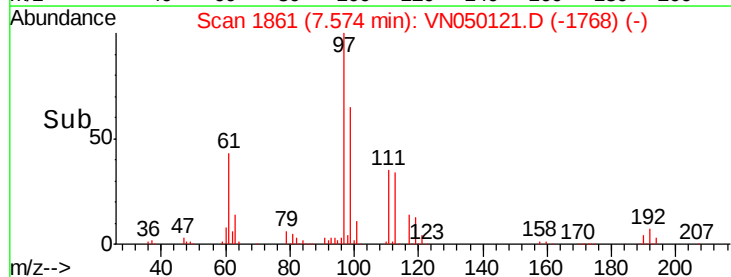
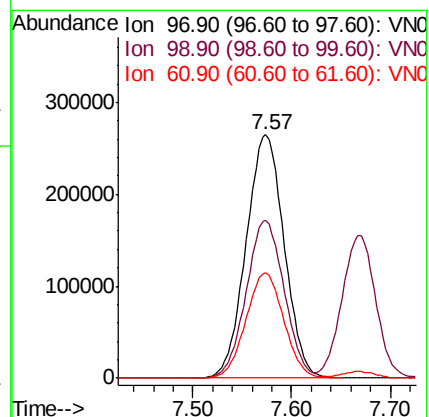
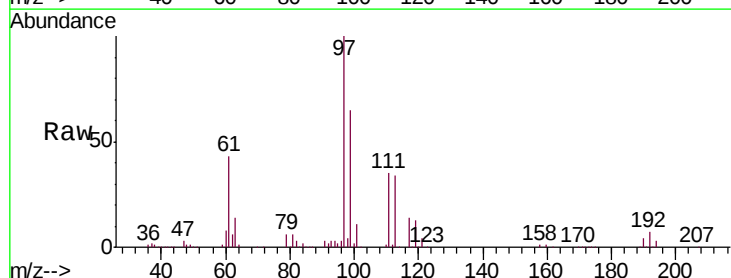
Tgt Ion: 97 Resp: 705814

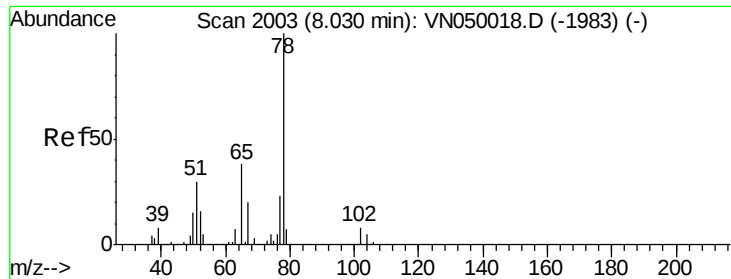
Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.0

61 43.1 35.4 53.0





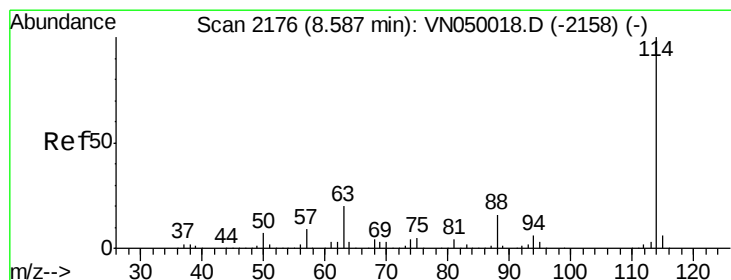
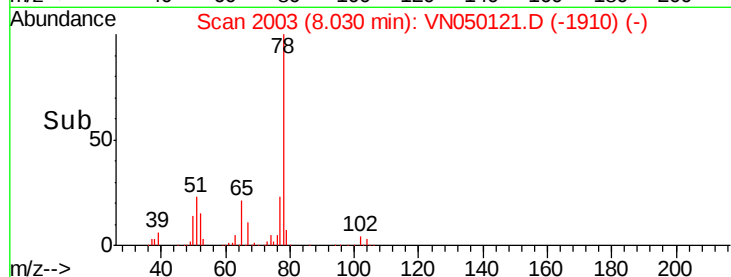
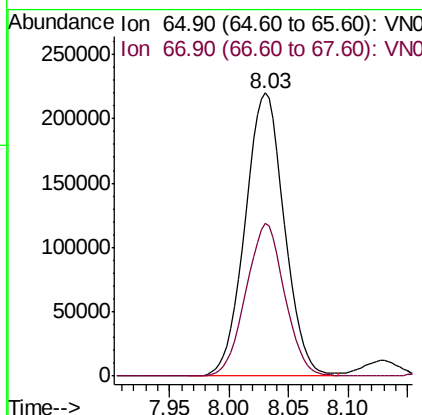
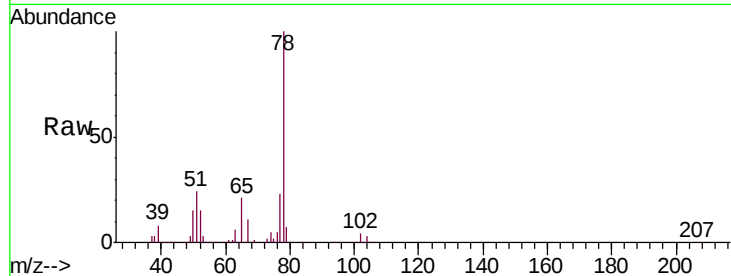
#33
 1,2-Dichloroethane-d4
 Concen: 49.20 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050121.D
 Acq: 27 Jul 2018 8:12

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BSMS

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.3	0.0	108.4	

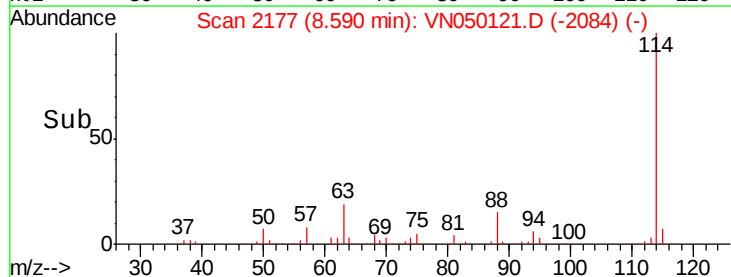
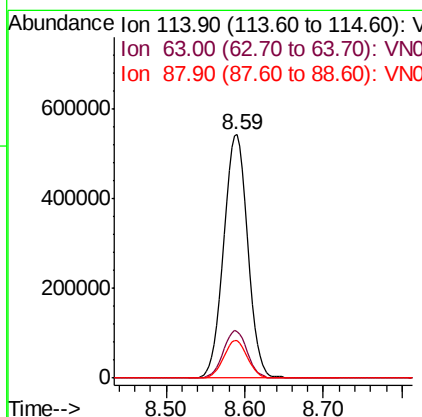
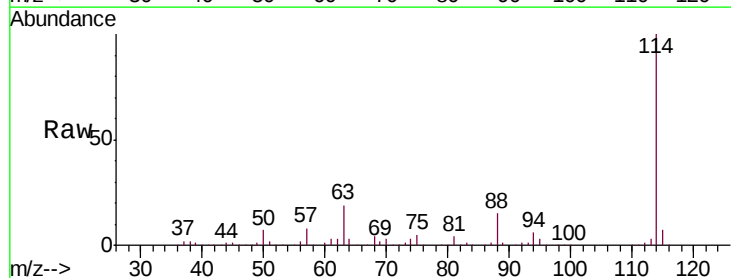
Manual Integrations
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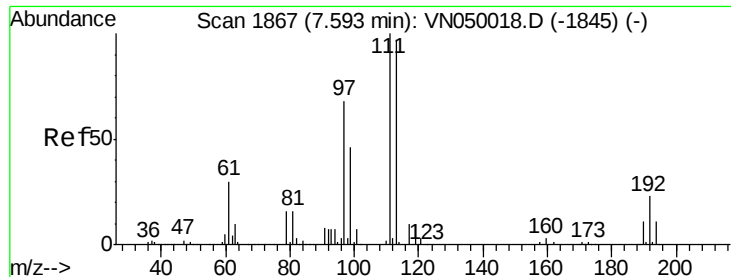
MMDadoda
 7/27/2018 12:17:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050121.D
 Acq: 27 Jul 2018 8:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0	40.0	
88	15.4	0.0	31.2	





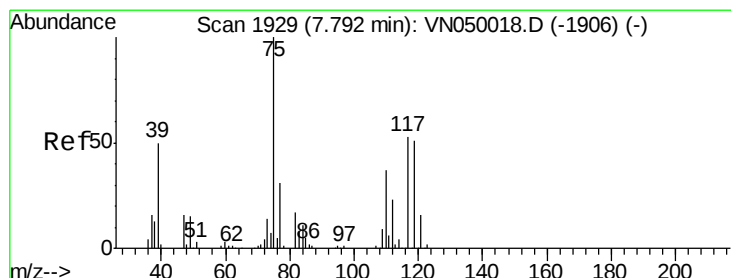
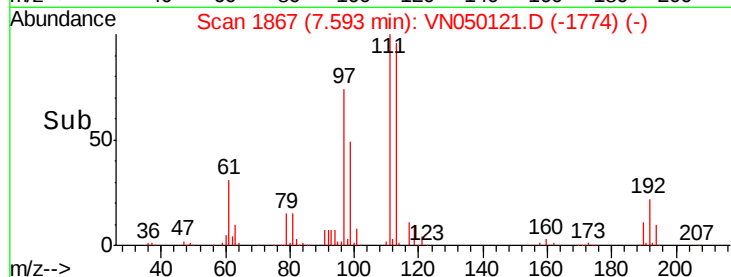
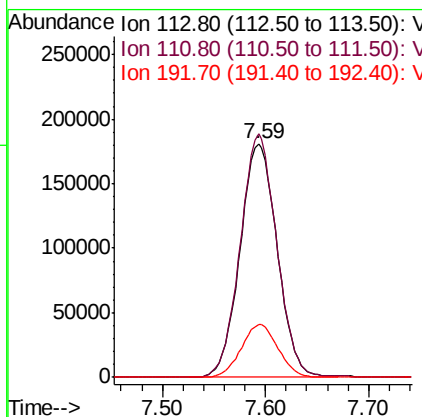
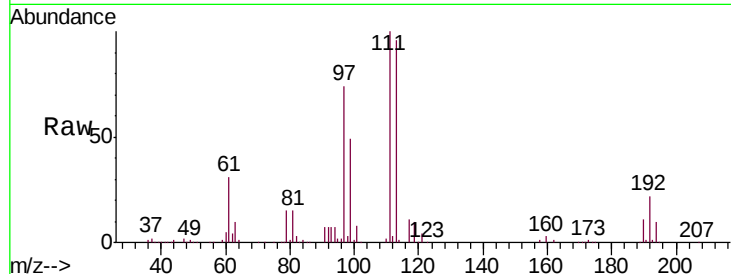
#35
 Dibromofluoromethane
 Concen: 48.82 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050121.D
 Acq: 27 Jul 2018 8:12

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BSMS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	454445		
111	102.3	80.7	121.1	
192	22.3	17.8	26.6	

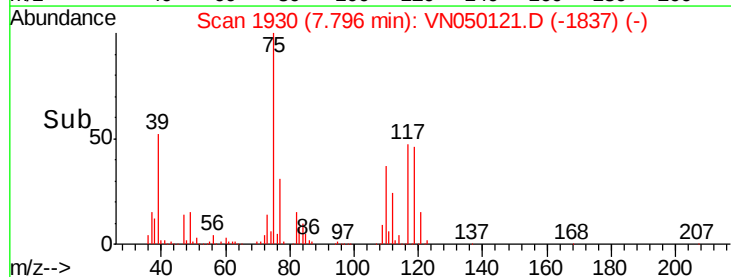
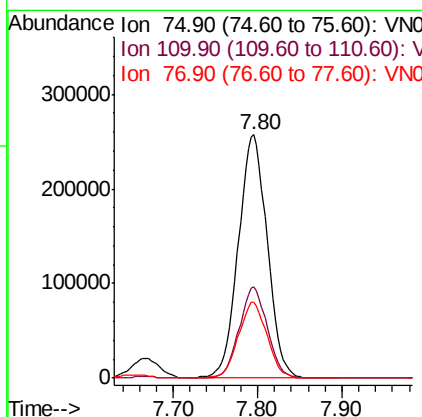
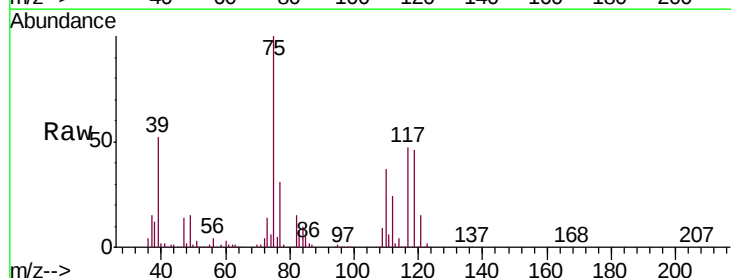
Manual Integrations
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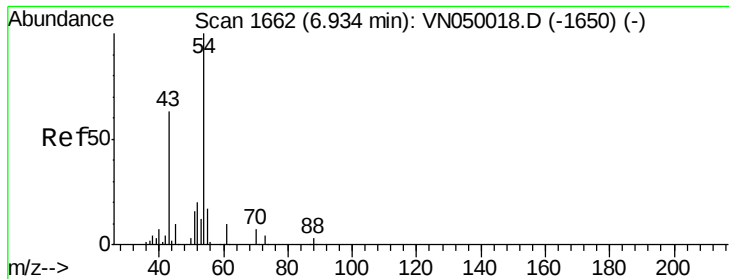
MMDadoda
 7/27/2018 12:17:04 PM



#36
 1,1-Dichloropropene
 Concen: 47.71 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050121.D
 Acq: 27 Jul 2018 8:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	612810		
110	36.4	18.4	55.2	
77	31.1	25.3	37.9	





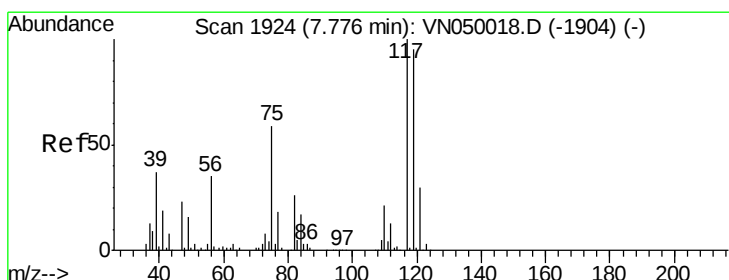
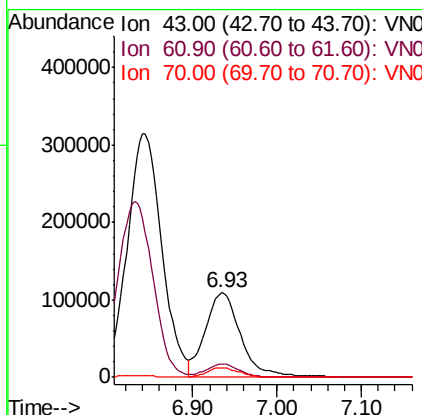
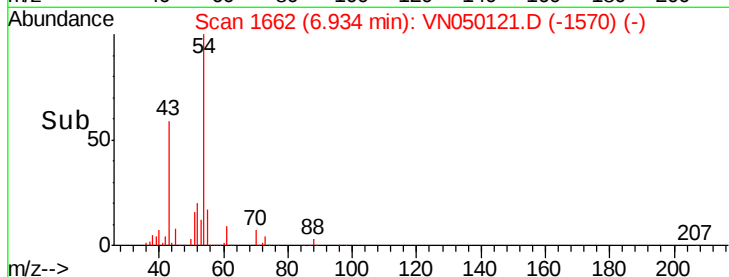
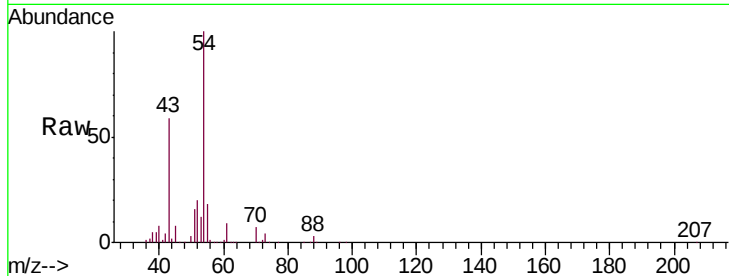
#37
Ethyl Acetate
Concen: 35.04 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.8
70	10.7	8.4	12.6

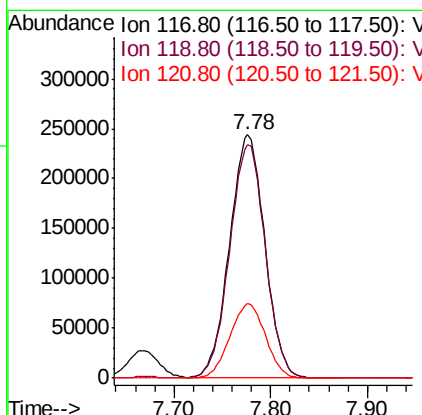
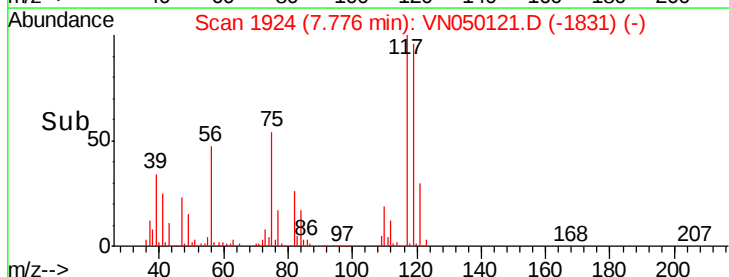
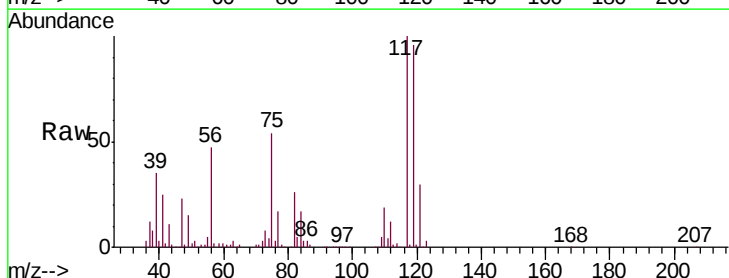
Manual Integrations
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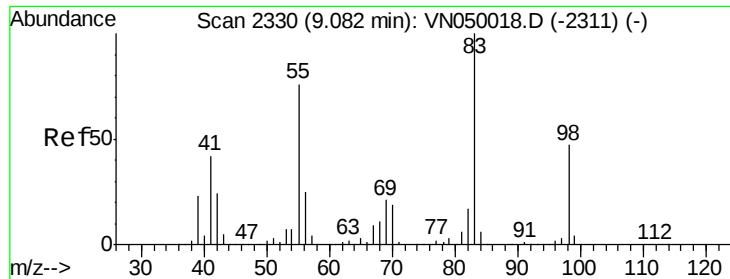
MMDadoda
7/27/2018 12:17:04 PM



#38
Carbon Tetrachloride
Concen: 45.33 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.4	116.0
121	30.4	23.9	35.9





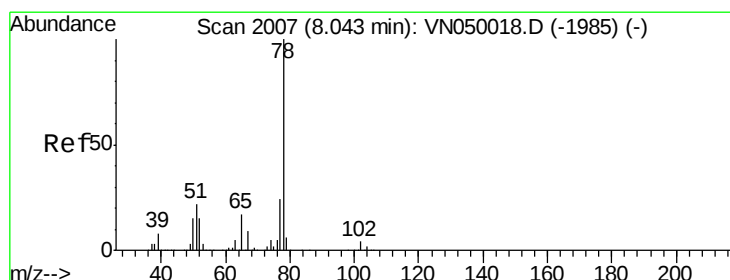
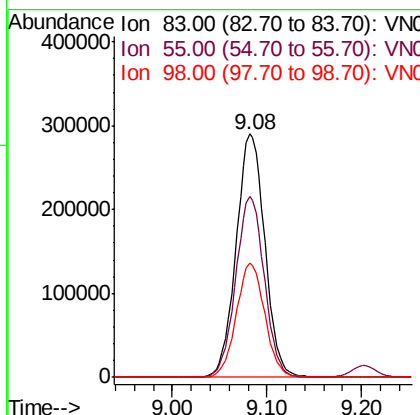
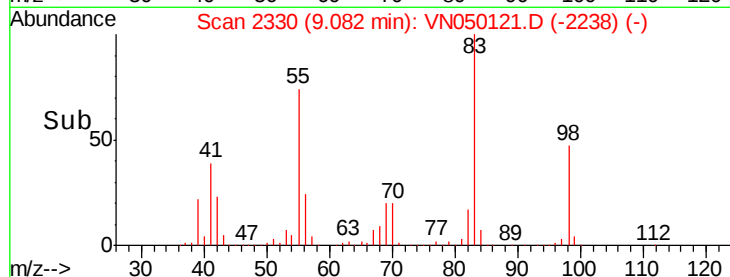
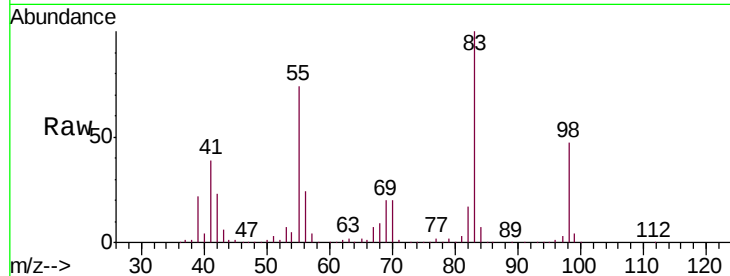
#39
Methylvlcyclohexane
Concen: 46.20 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	610511		
55	74.2	61.8	92.8	
98	46.8	36.5	54.7	

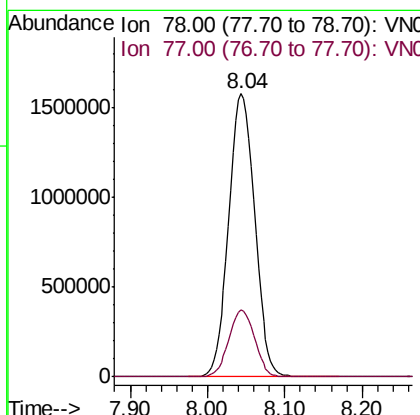
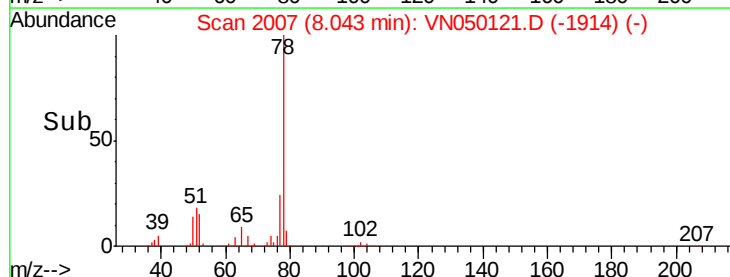
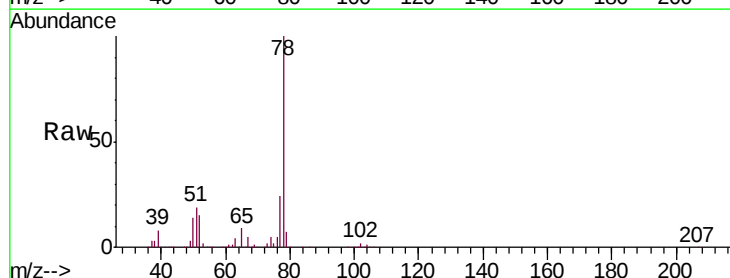
Manual Integrations
APPROVED

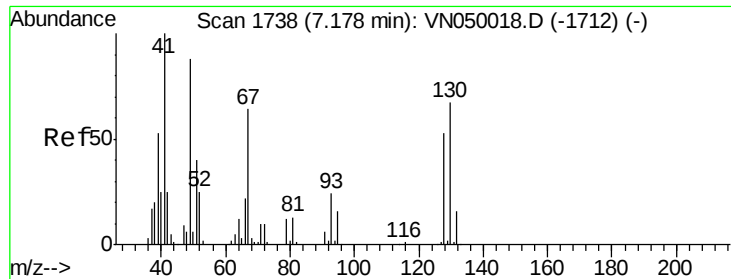
MMDadoda
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#40
Benzene
Concen: 93.82 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	3667336		
77	23.7	18.7	28.1	





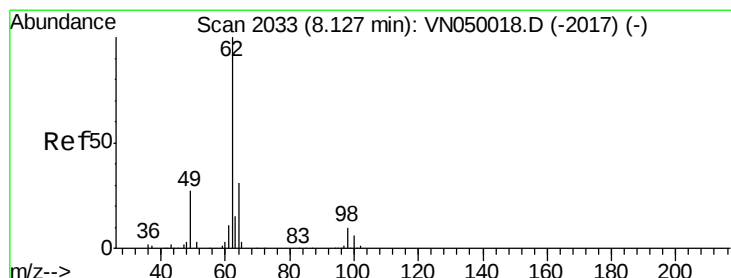
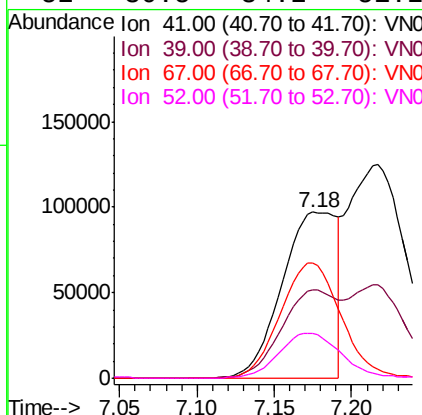
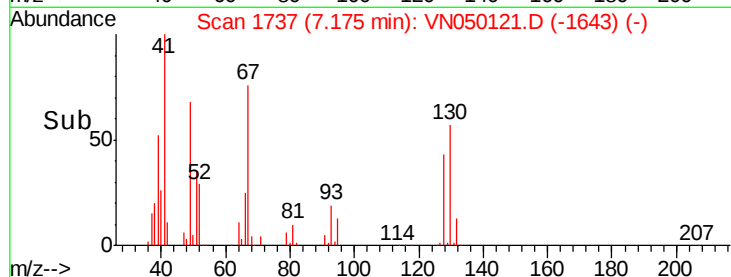
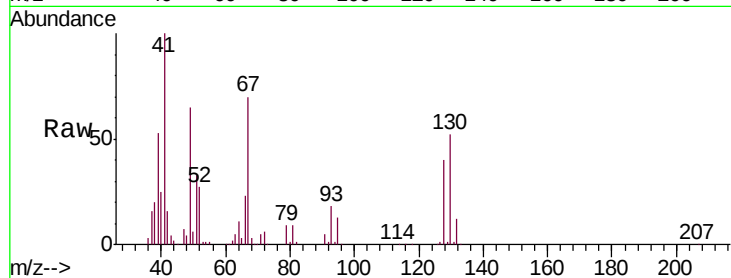
#41
Methacrylonitrile
Concen: 50.99 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Instrument :
MSVOA_N
ClientSampled :
MW-7BSMS

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.1	55.8	83.6#
67	77.4	84.3	126.5#
52	30.5	34.2	51.2#

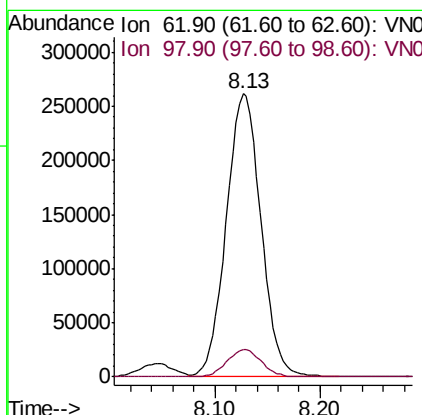
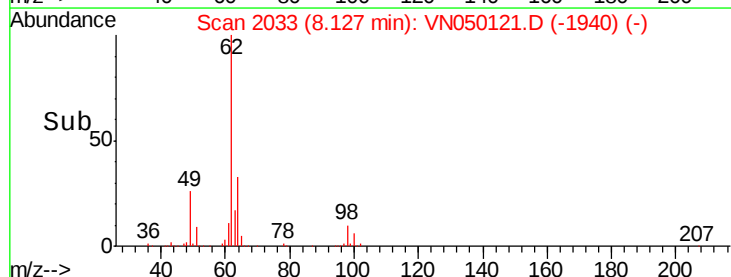
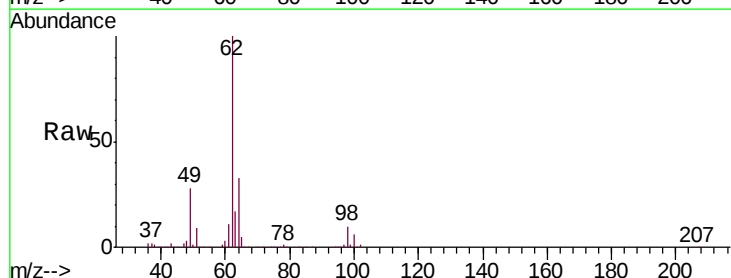
Manual Integrations
APPROVED

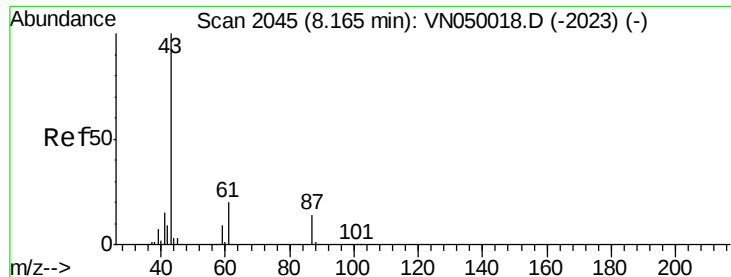
MMDadoda
7/27/2018 12:17:04 PM



#42
1,2-Dichloroethane
Concen: 45.48 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.8





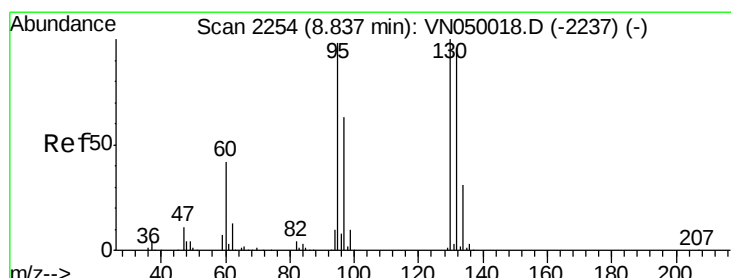
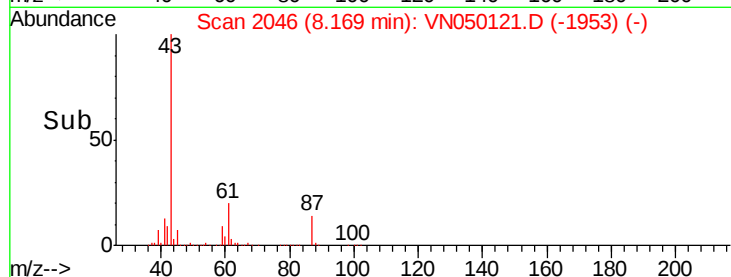
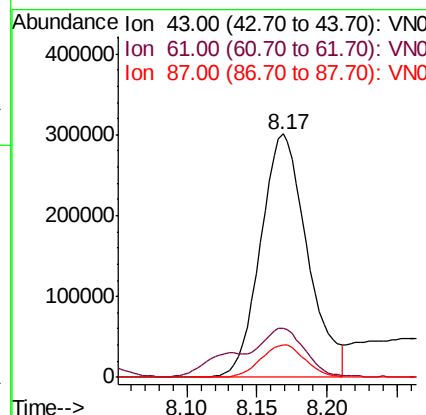
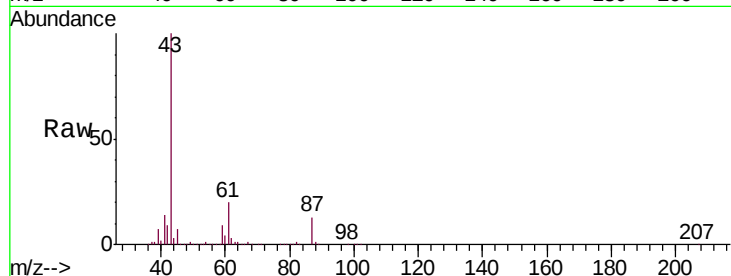
#43
Isopropyl Acetate
Concen: 40.91 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMS

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.8	23.6
87	12.7	10.3	15.5

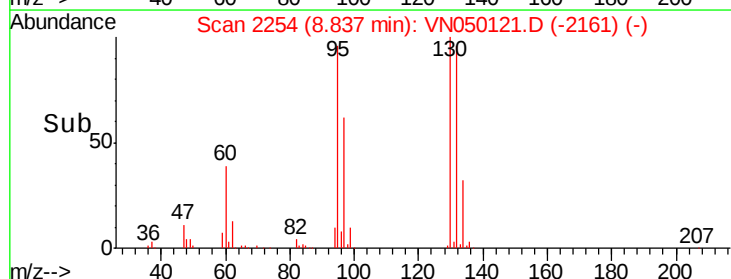
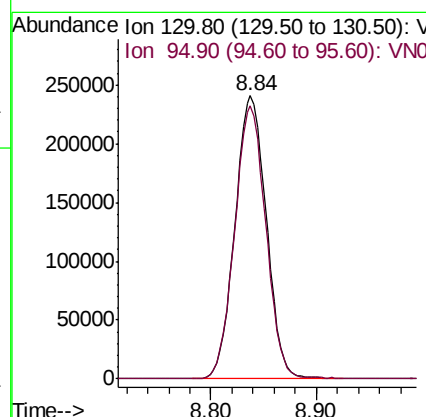
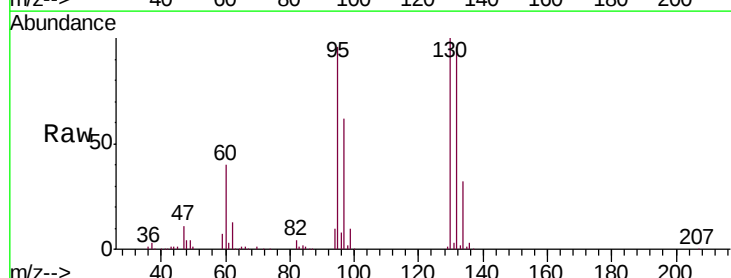
Manual Integrations
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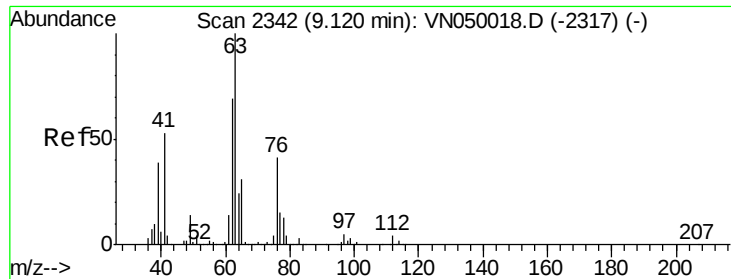
MMDadoda
7/27/2018 12:17:04 PM



#44
Trichloroethene
Concen: 47.22 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	194.6





#45

1,2-Dichloropropane

Concen: 46.88 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

MSVOA_N

ClientSampled :

MW-7BSMS

Tot Ion: 63 Resp: 485362

Ion Ratio Lower Upper

63 100

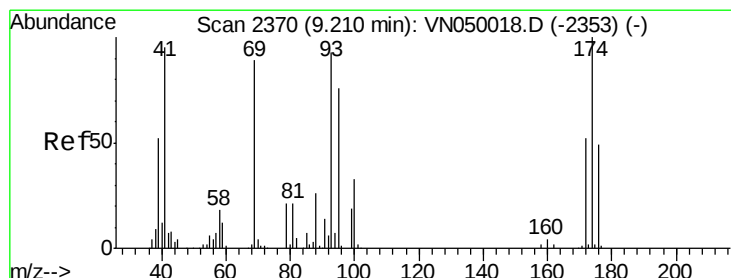
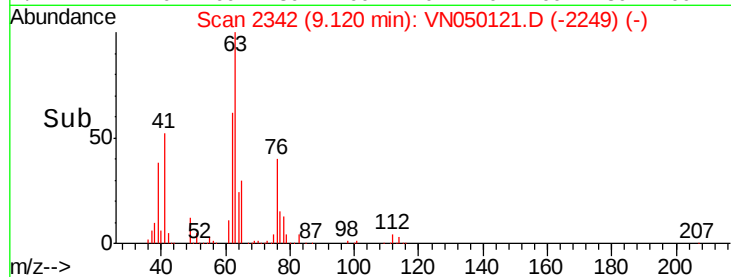
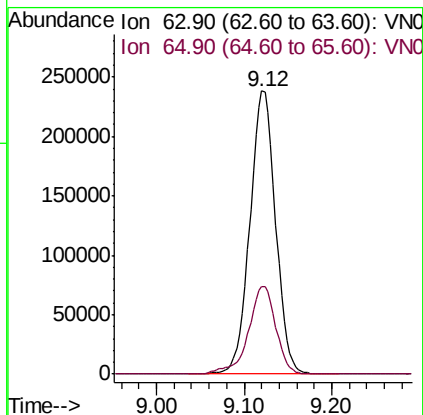
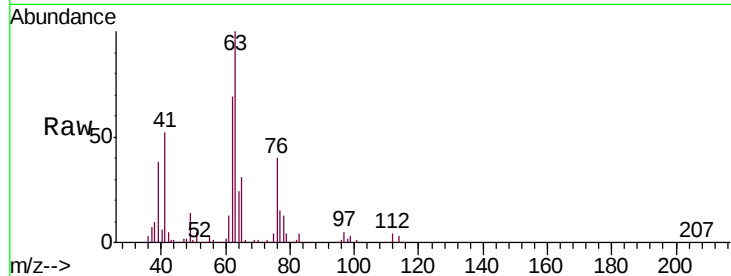
65 31.0 25.5 38.3

Manual Integrations

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#46

Dibromomethane

Concen: 46.12 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

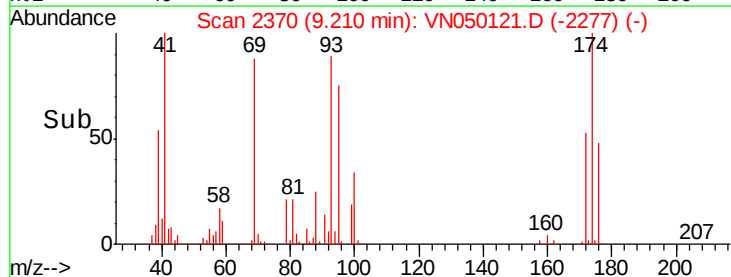
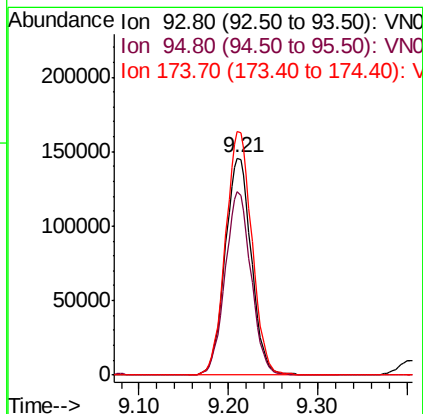
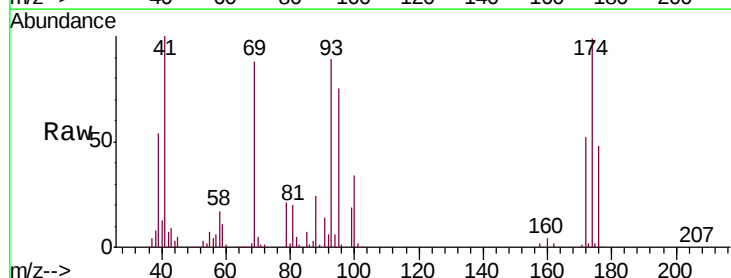
Tgt Ion: 93 Resp: 296455

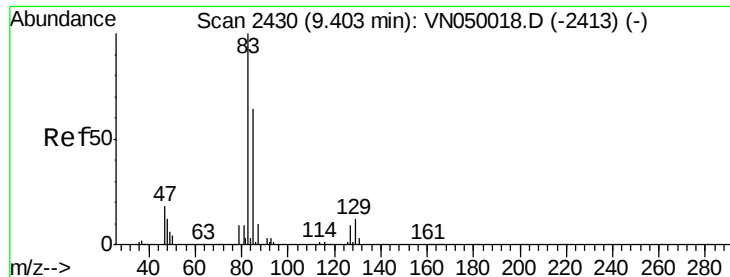
Ion Ratio Lower Upper

93 100

95 83.8 66.6 100.0

174 113.1 87.1 130.7





#47

Bromodichloromethane

Concen: 46.62 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

MSVOA_N

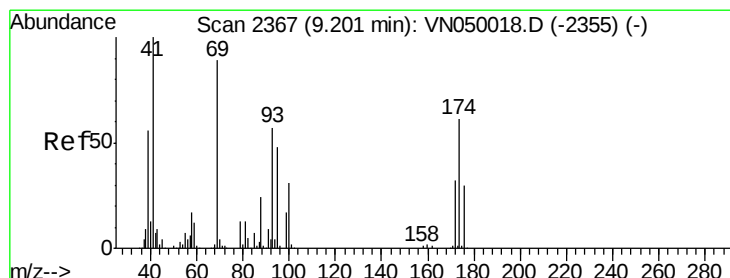
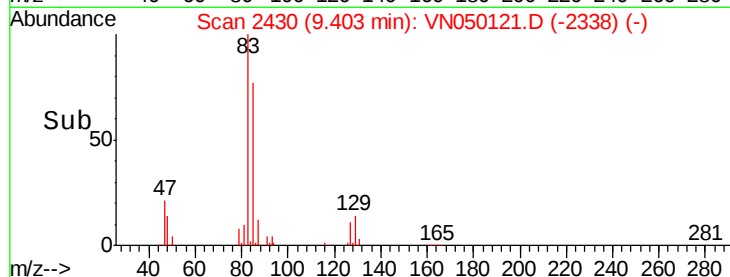
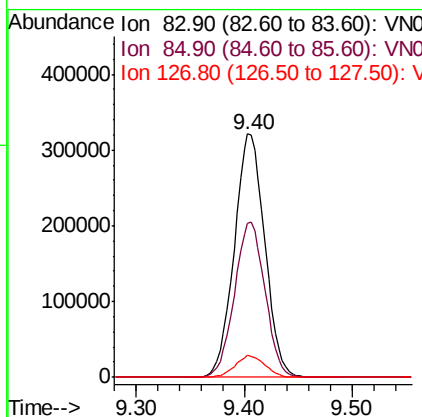
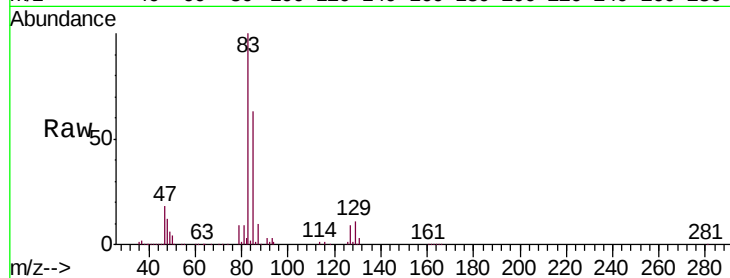
ClientSampleId :

MW-7BSMS

Tot Ion:	83	Resp:	632508
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.1	76.7
127	8.9	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.69 ug/l

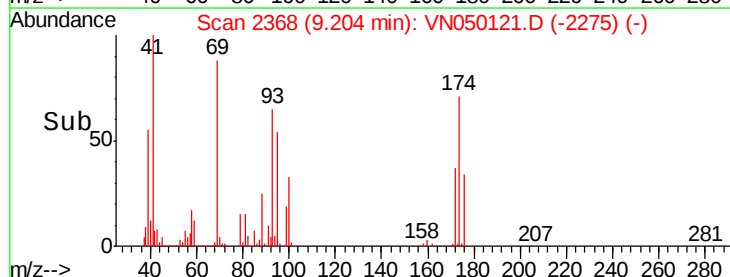
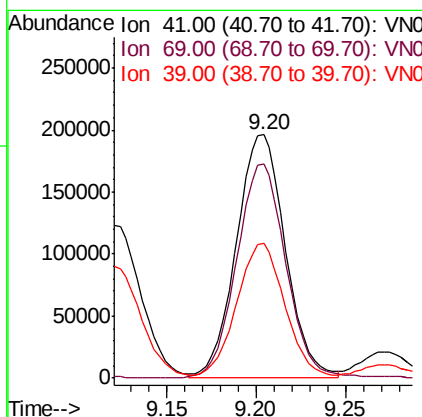
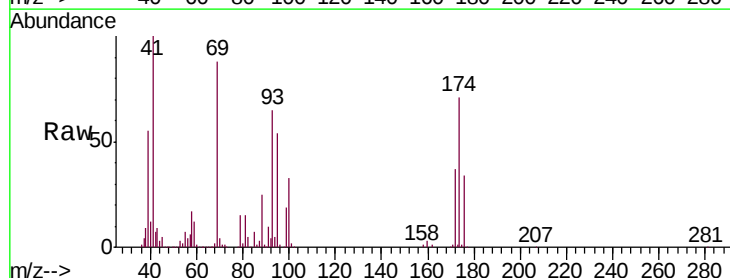
RT: 9.20 min Scan# 2368

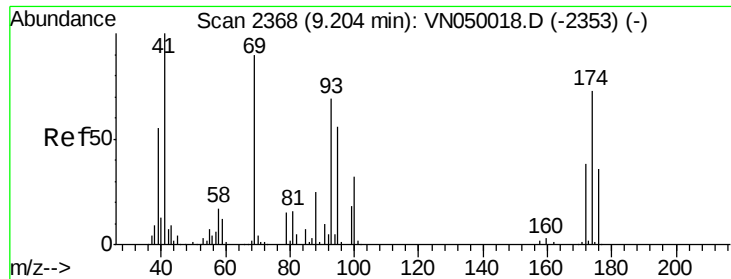
Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Tgt Ion:	41	Resp:	375574
Ion Ratio	Lower	Upper	
41	100		
69	88.9	70.6	105.8
39	54.7	43.9	65.9





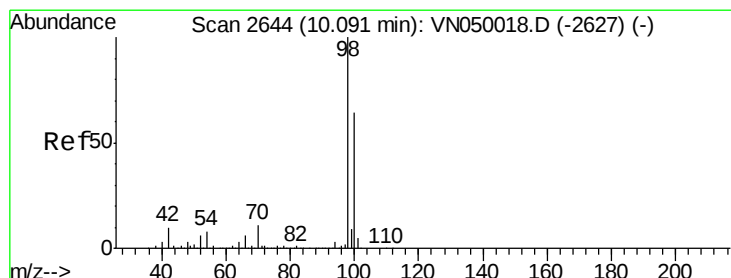
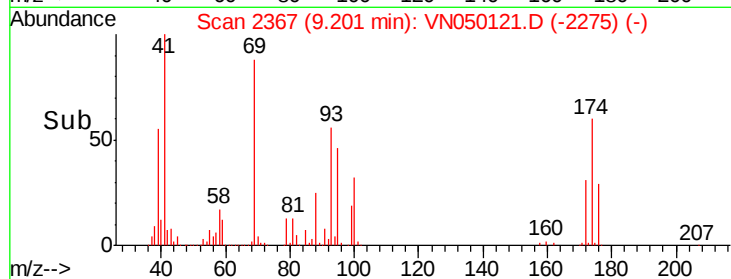
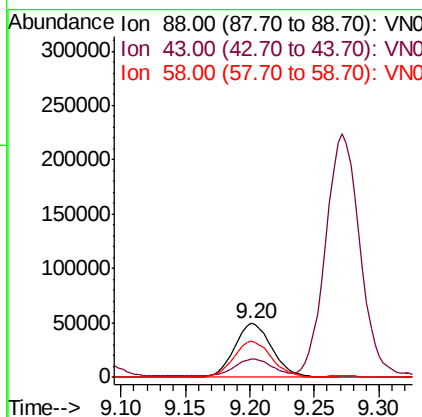
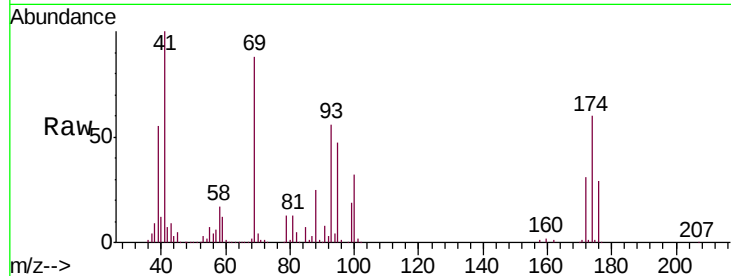
#49
1,4-Dioxane
Concen: 960.61 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Instrument :
MSVOA_N
ClientSampled :
MW-7BSMS

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	26.9	40.3
58	67.4	57.3	85.9

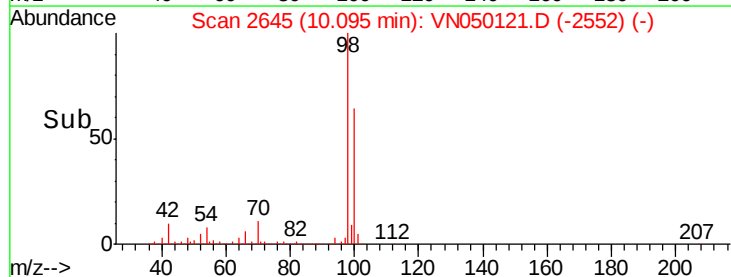
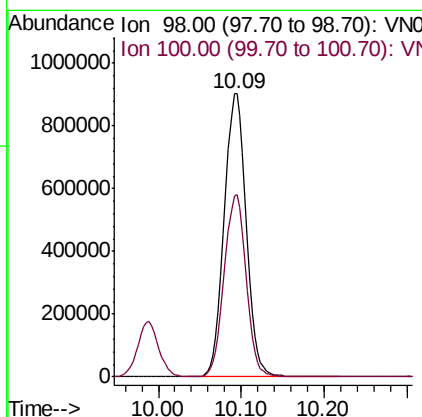
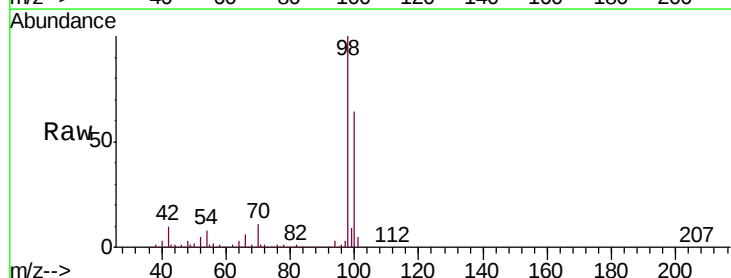
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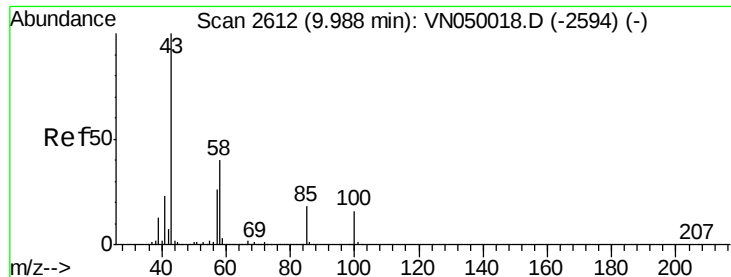
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#50
Toluene-d8
Concen: 48.63 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.7	76.1





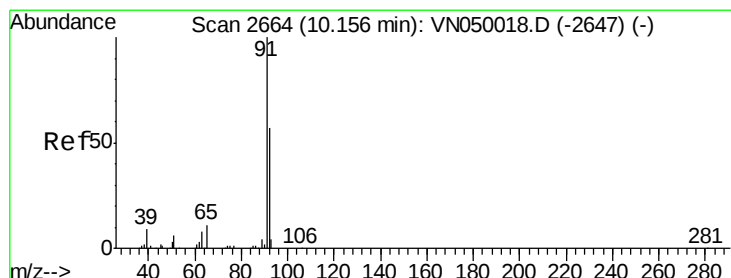
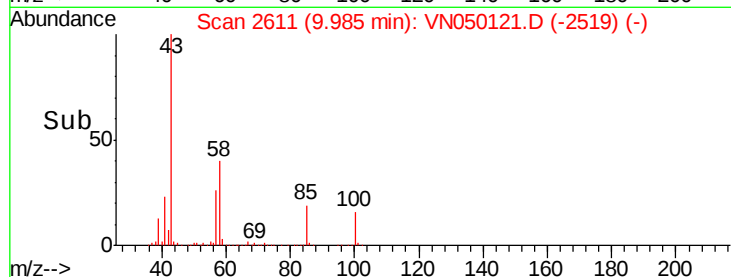
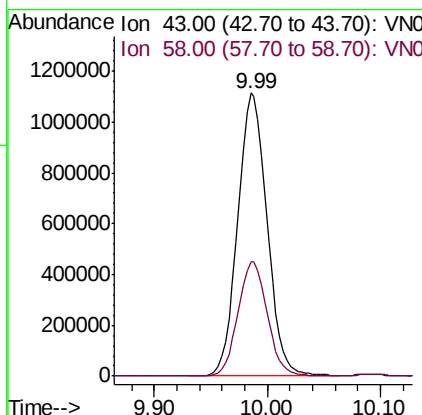
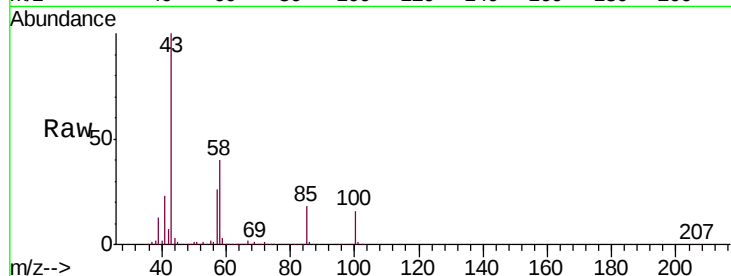
#51
4-Methyl-2-Pentanone
Concen: 228.45 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMS

Tot Ion: 43 Resp: 2011295
Ion Ratio Lower Upper
43 100
58 40.5 31.9 47.9

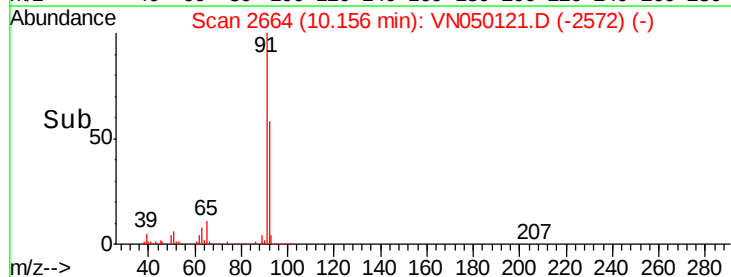
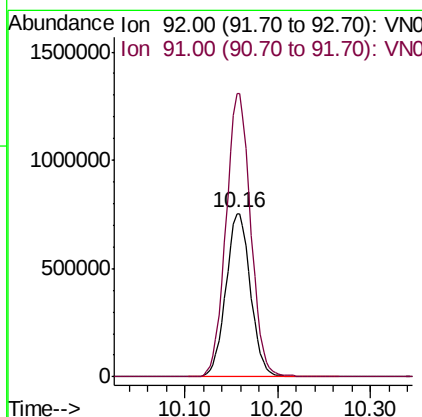
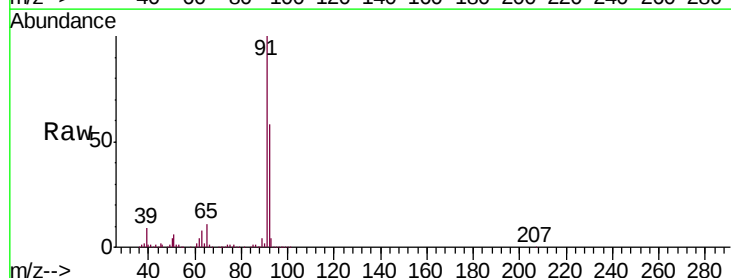
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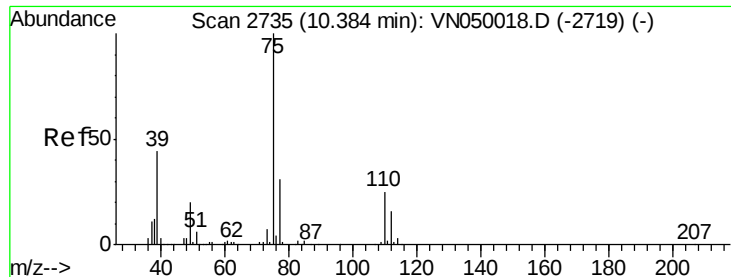
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#52
Toluene
Concen: 60.08 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Tgt Ion: 92 Resp: 1386329
Ion Ratio Lower Upper
92 100
91 174.0 140.3 210.5





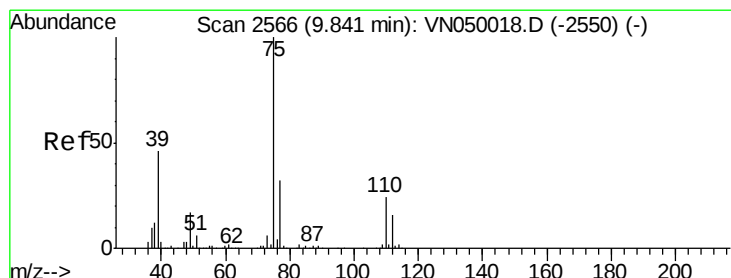
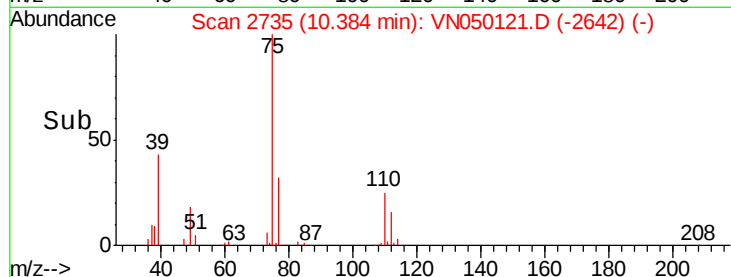
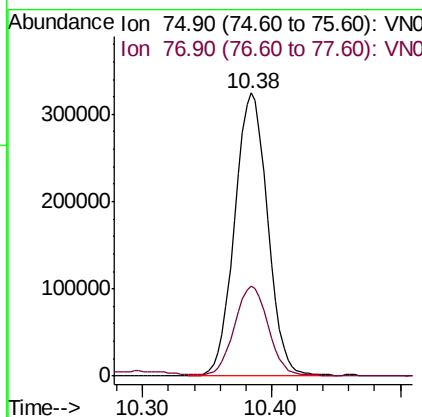
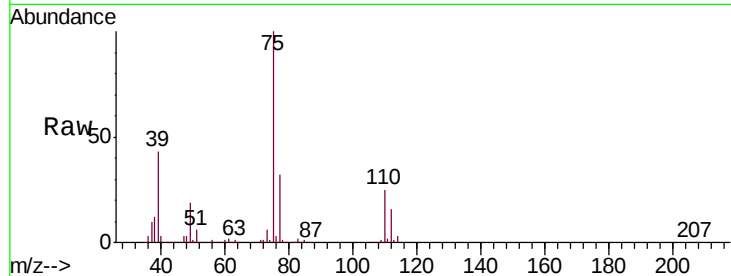
#53
t-1,3-Dichloropropene
Concen: 45.14 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Instrument :
MSVOA_N
ClientSampled :
MW-7BSMS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.9	37.3

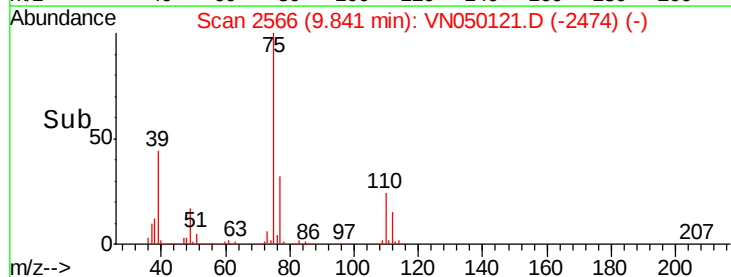
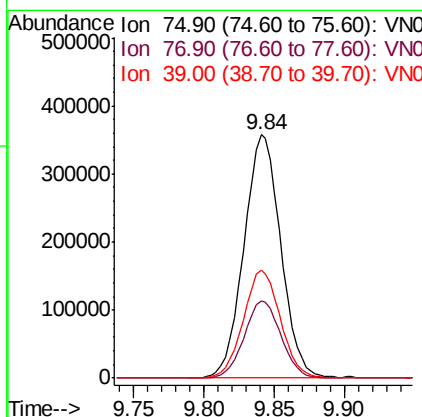
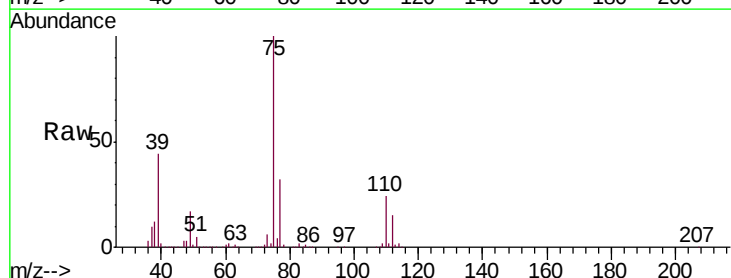
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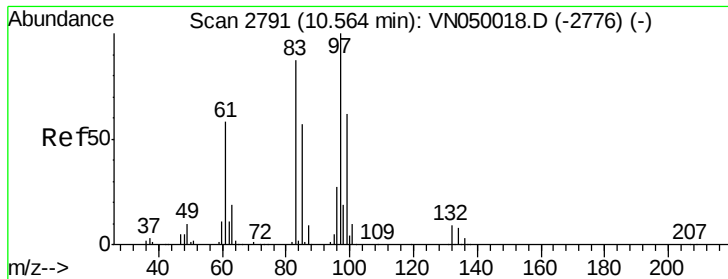
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#54
cis-1,3-Dichloropropene
Concen: 44.72 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3
39	44.2	36.6	55.0





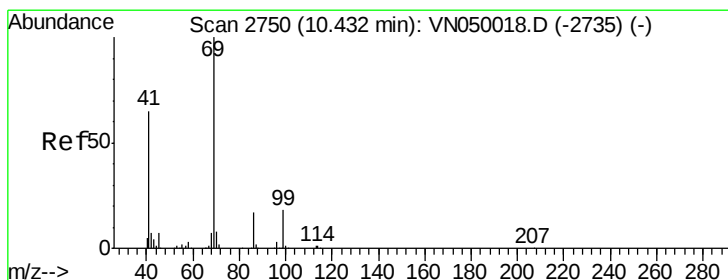
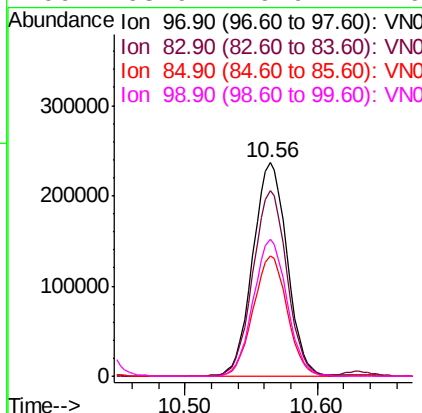
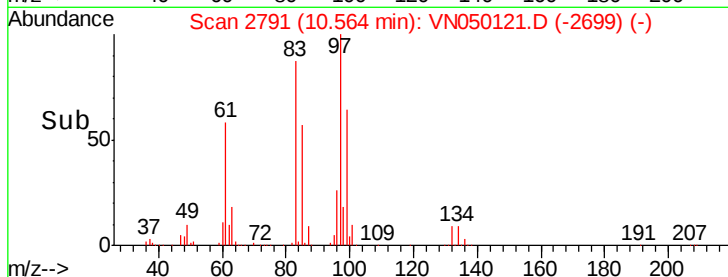
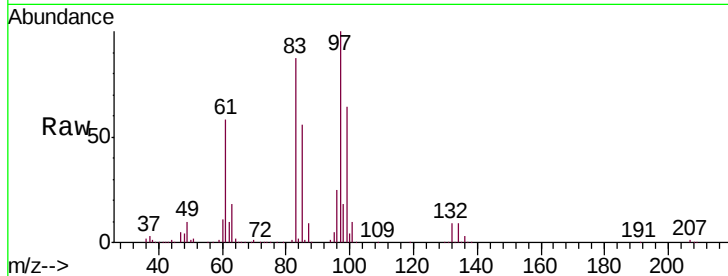
#55
 1,1,2-Trichloroethane
 Concen: 46.85 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050121.D
 Acq: 27 Jul 2018 8:12

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BSMS

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.2	103.8
85	56.3	44.0	66.0
99	63.9	49.9	74.9

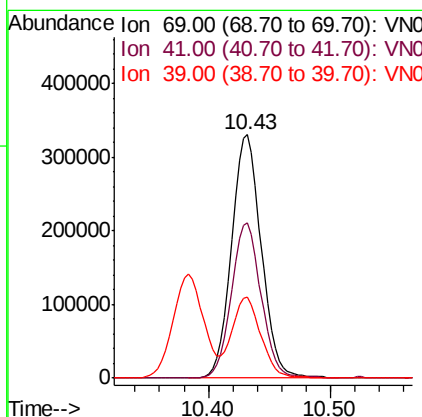
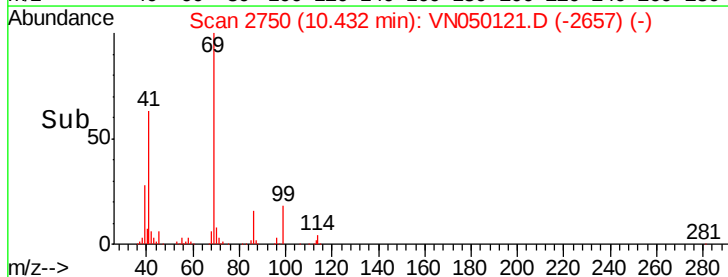
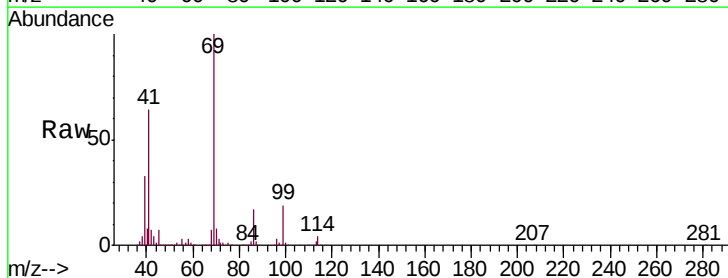
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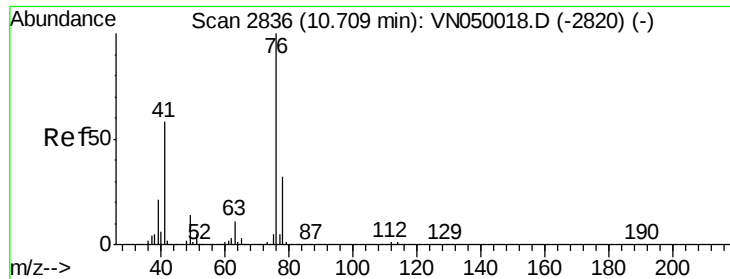
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#56
 Ethyl methacrylate
 Concen: 45.50 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050121.D
 Acq: 27 Jul 2018 8:12

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.8	51.0	76.4
39	31.9	26.6	40.0





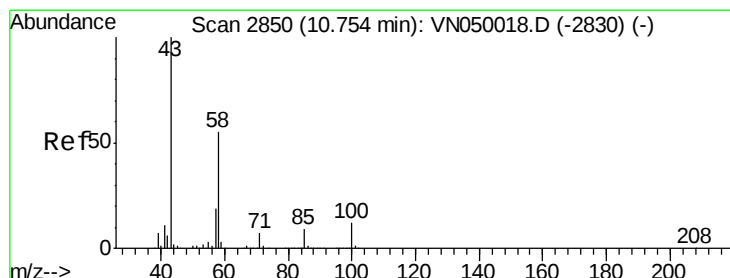
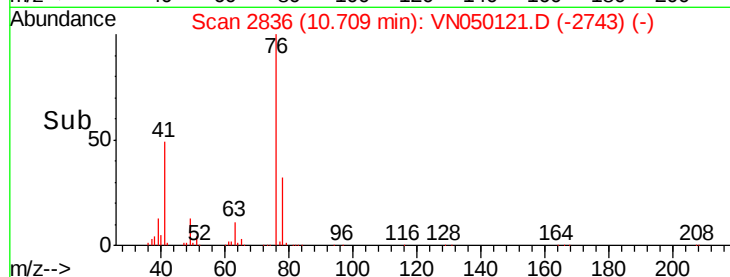
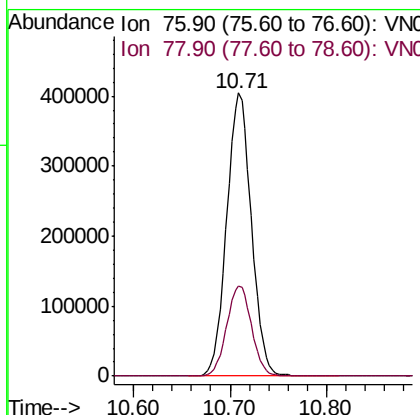
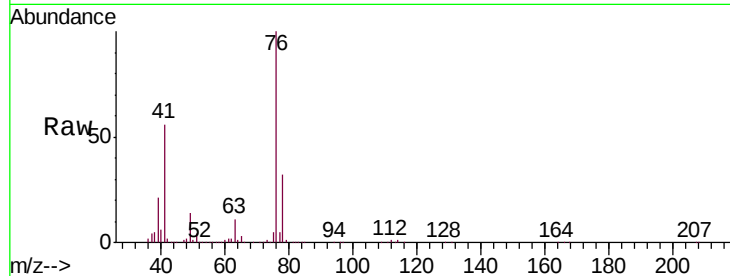
#57
 1,3-Dichloropropane
 Concen: 48.00 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050121.D
 Acq: 27 Jul 2018 8:12

Instrument :
 MSVOA_N
 ClientSampled :
 MW-7BSMS

Tot Ion: 76 Resp: 715271
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5

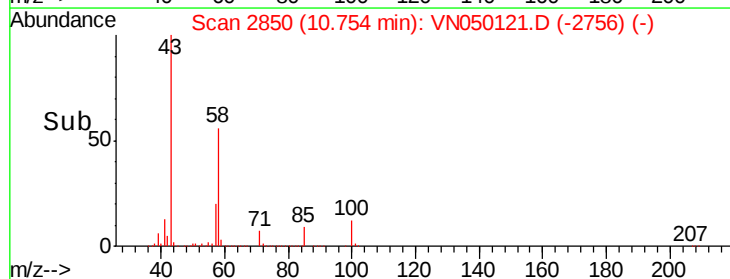
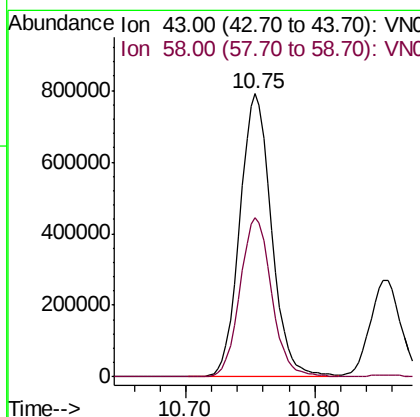
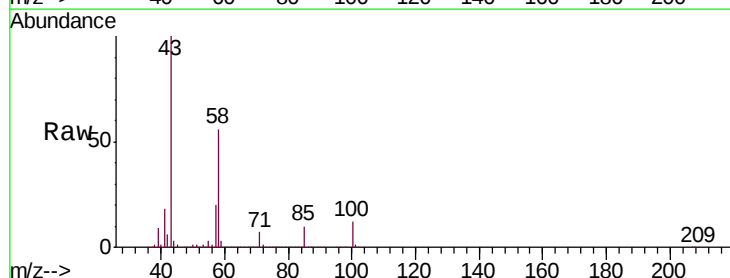
Manual Integrations
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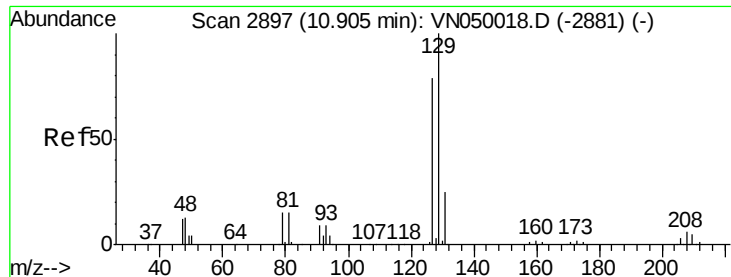
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#59
 2-Hexanone
 Concen: 208.97 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050121.D
 Acq: 27 Jul 2018 8:12

Tgt Ion: 43 Resp: 1346258
 Ion Ratio Lower Upper
 43 100
 58 56.4 27.6 82.7





#60

Dibromochloromethane

Concen: 47.21 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMS

Tot Ion:129 Resp: 478351

Ion Ratio Lower Upper

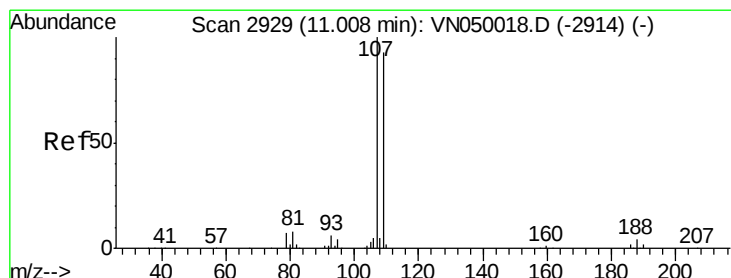
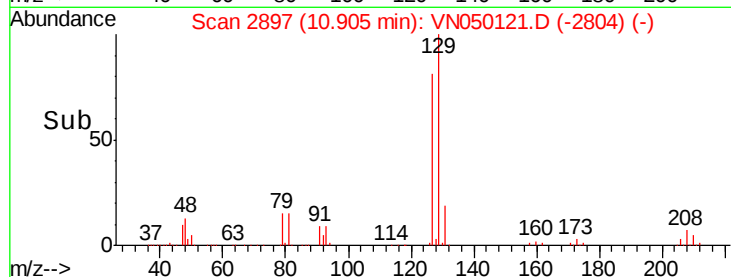
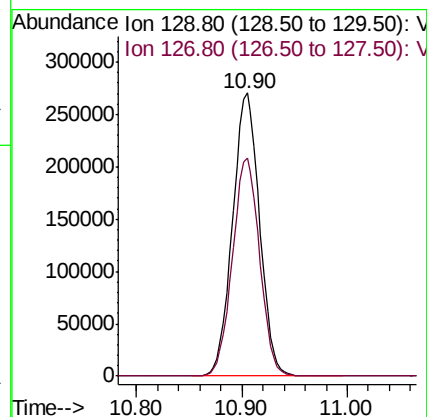
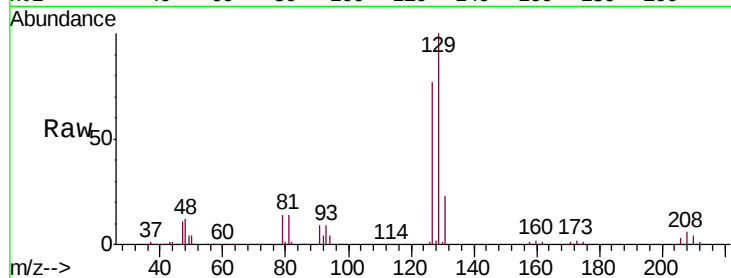
129 100

127 77.5 38.0 113.9

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7/27/2018 12:17:04 PM



#61

1,2-Dibromoethane

Concen: 46.67 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050121.D

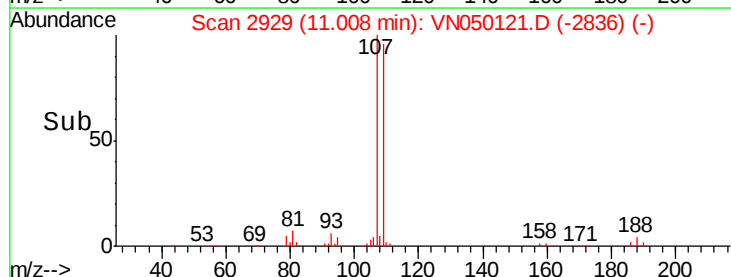
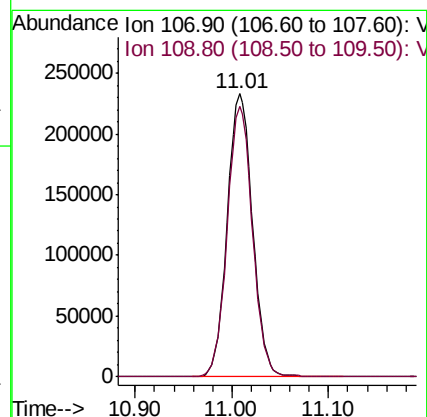
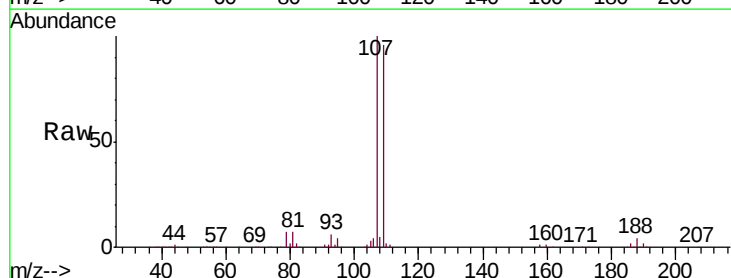
Acq: 27 Jul 2018 8:12

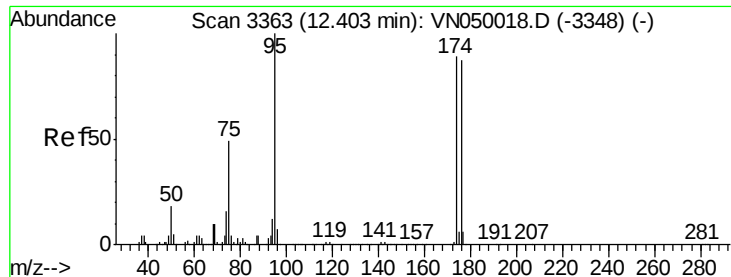
Tgt Ion:107 Resp: 423803

Ion Ratio Lower Upper

107 100

109 95.4 74.6 112.0





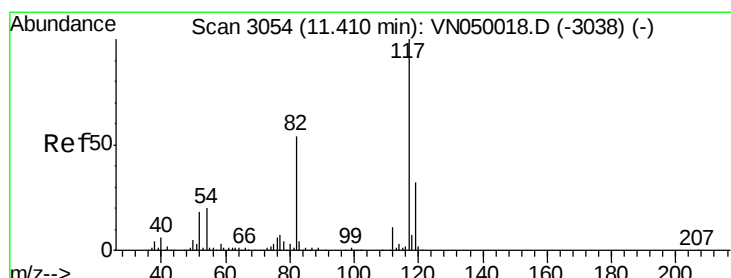
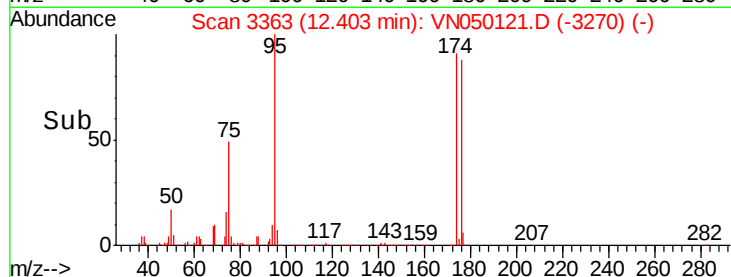
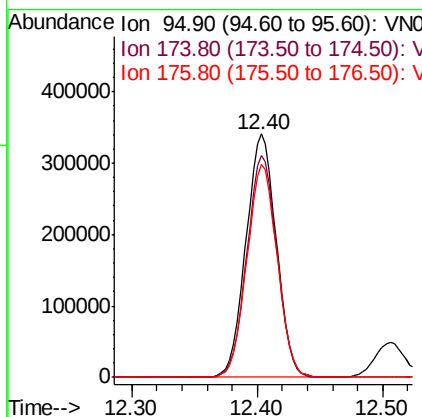
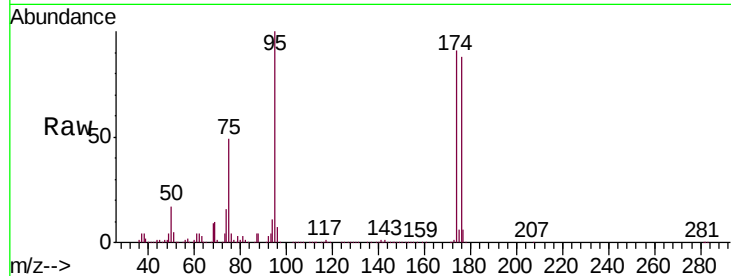
#62
4-Bromofluorobenzene
Concen: 50.91 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	573705		
174	90.5	0.0	178.2	
176	87.4	0.0	173.4	

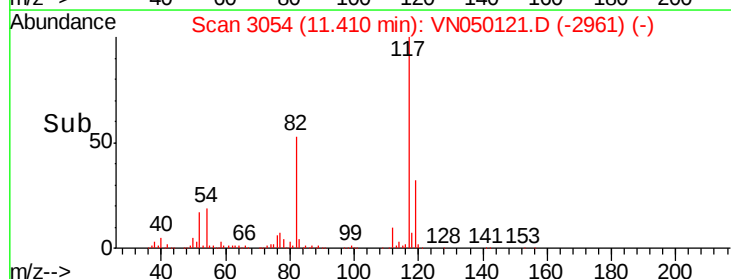
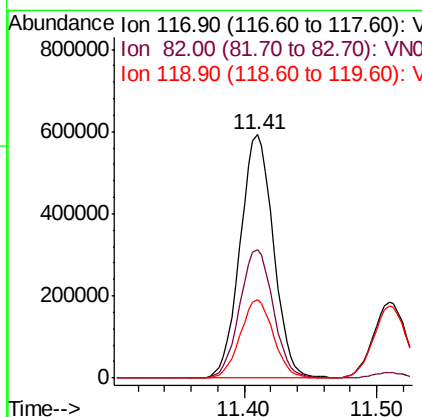
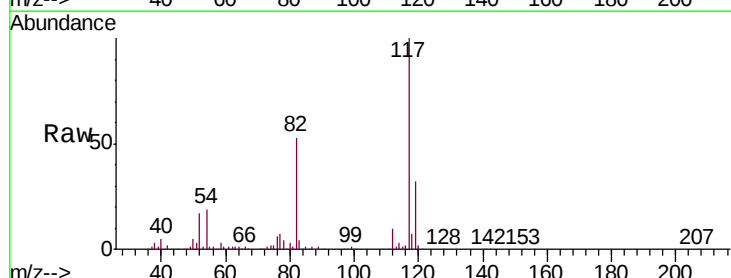
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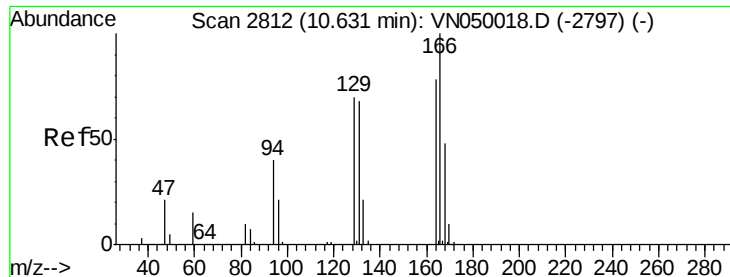
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1034398		
82	53.0	43.7	65.5	
119	32.1	26.1	39.1	





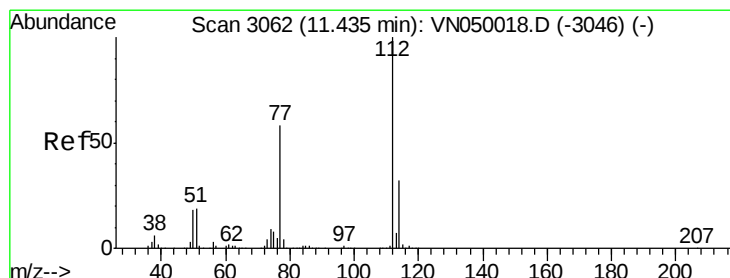
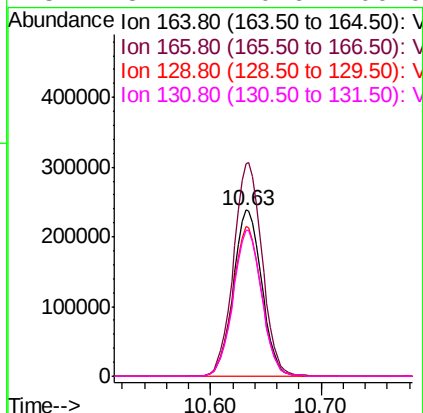
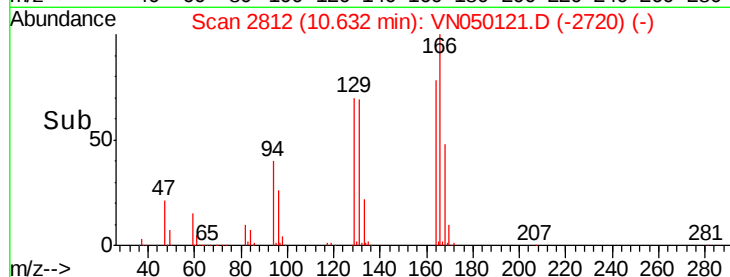
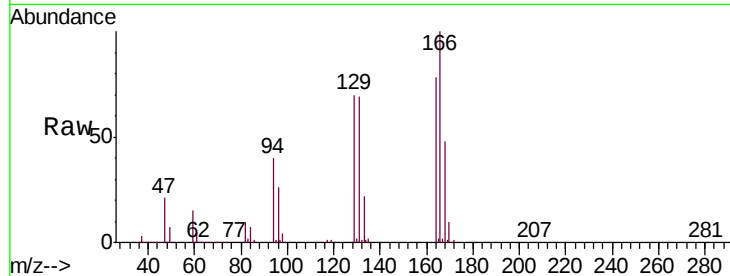
#64
Tetrachloroethene
Concen: 42.89 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMS

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.1	153.1
129	89.7	73.2	109.8
131	87.7	70.6	106.0

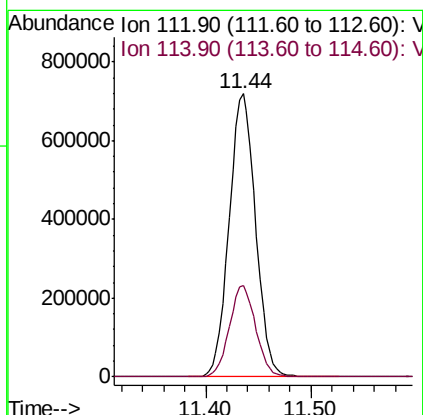
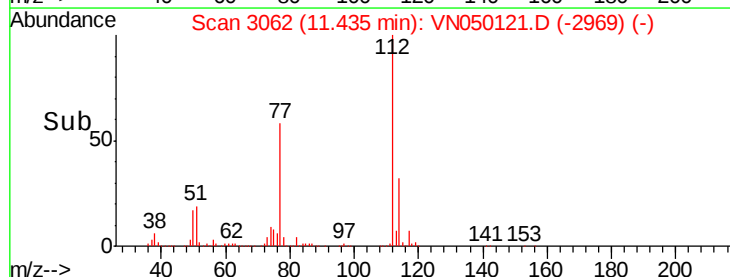
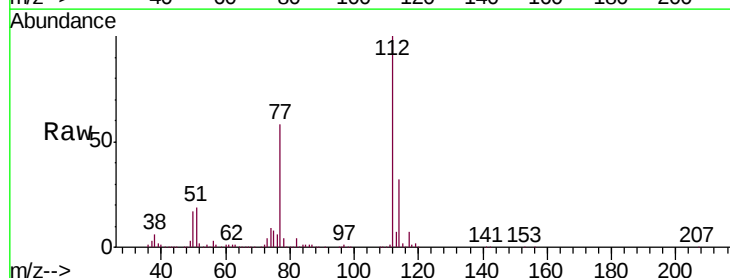
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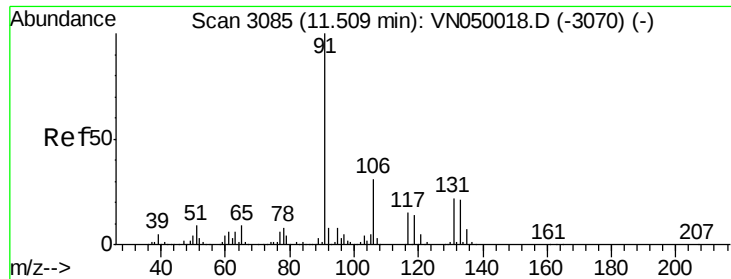
MMDadoda
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#65
Chlorobenzene
Concen: 47.63 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4





#66

1,1,1,2-Tetrachloroethane

Concen: 46.82 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

MSVOA_N

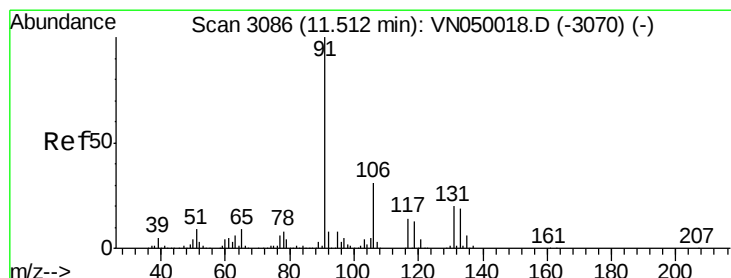
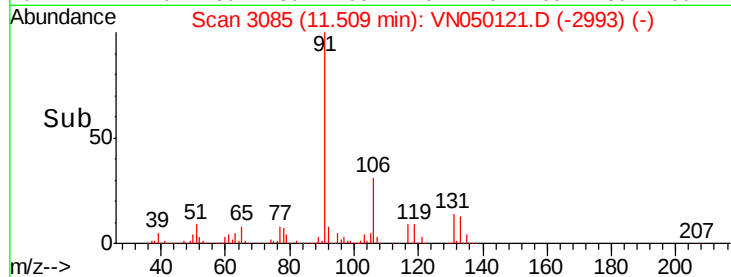
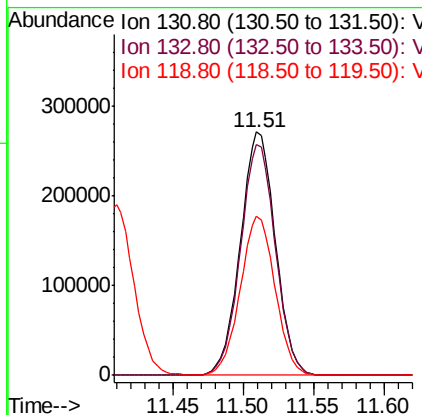
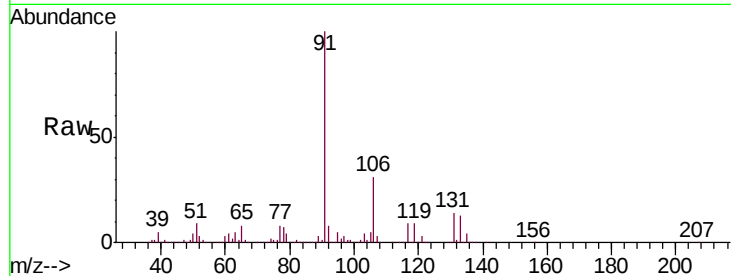
ClientSampleId :

MW-7BSMS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	141.9
119	65.2	32.9	98.7

Manual Integrations
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#67

Ethyl Benzene

Concen: 80.74 ug/l

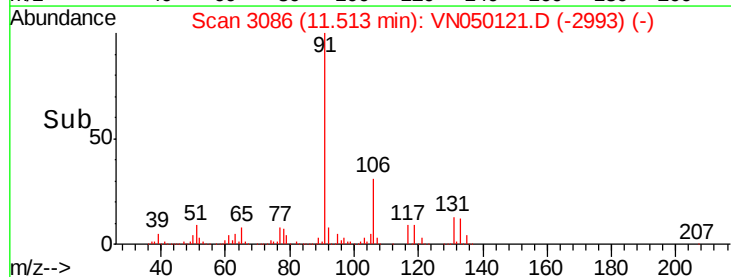
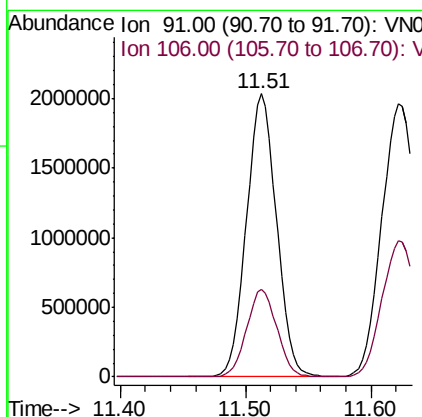
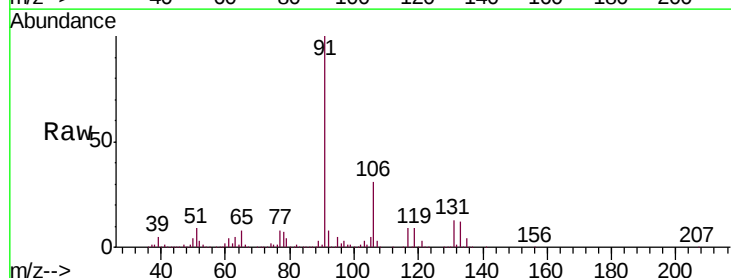
RT: 11.51 min Scan# 3086

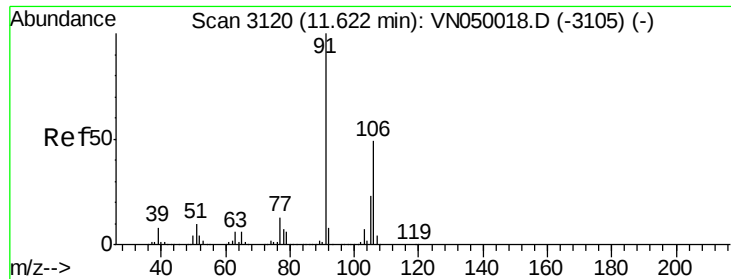
Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.0	37.4





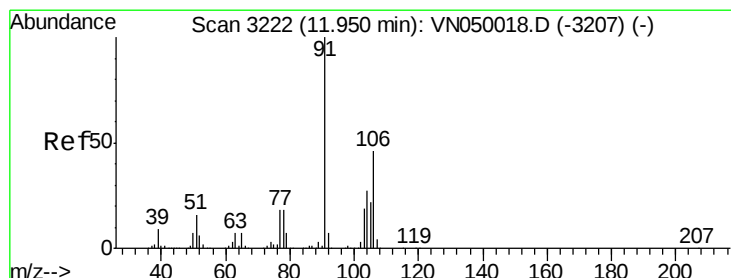
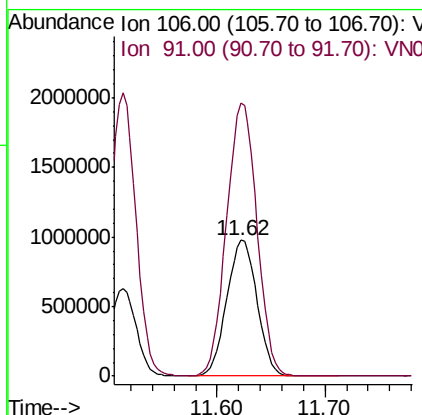
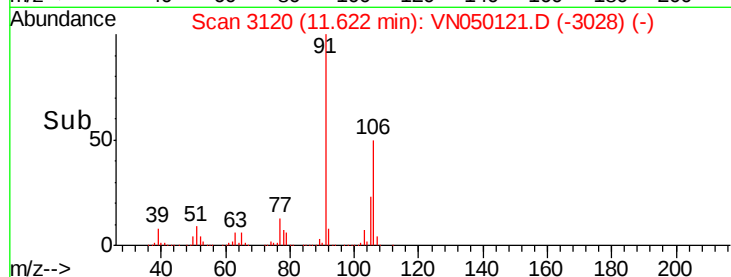
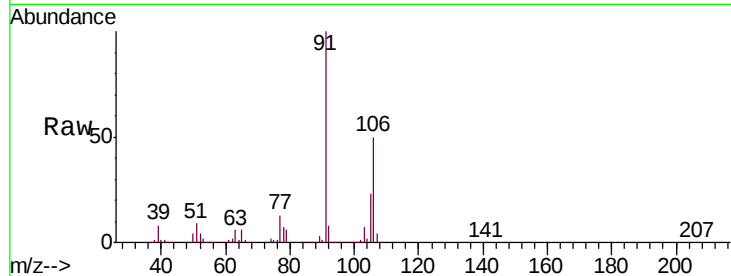
#68
m/p-Xylenes
Concen: 120.29 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Instrument :
MSVOA_N
ClientSampled :
MW-7BSMS

Tot Ion:106 Resp: 1909660
Ion Ratio Lower Upper
106 100
91 201.5 162.2 243.2

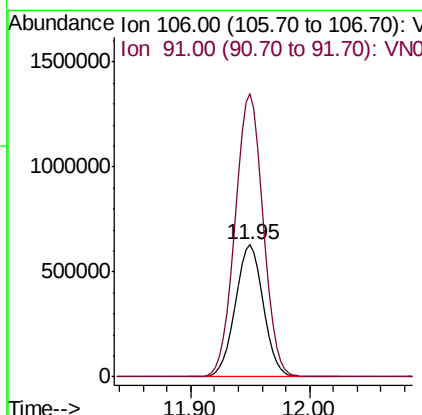
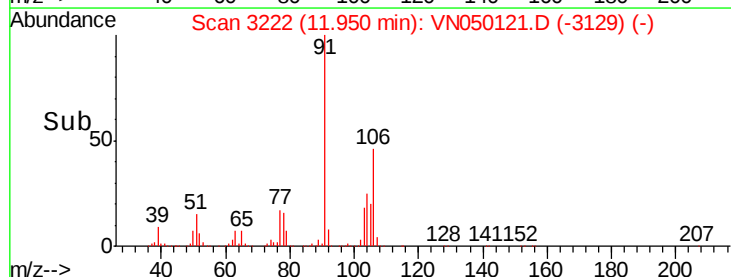
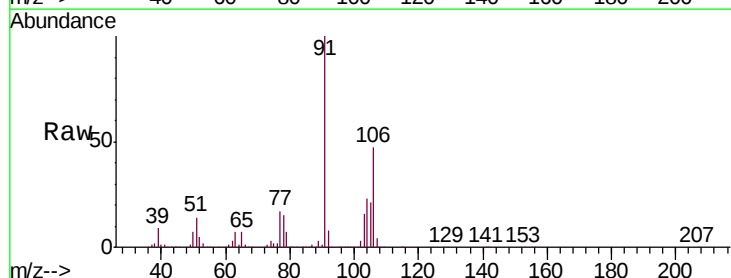
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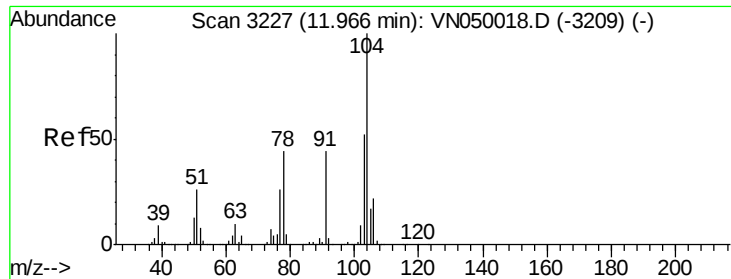
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#69
o-Xylene
Concen: 67.92 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Tgt Ion:106 Resp: 1027899
Ion Ratio Lower Upper
106 100
91 214.4 107.7 323.1





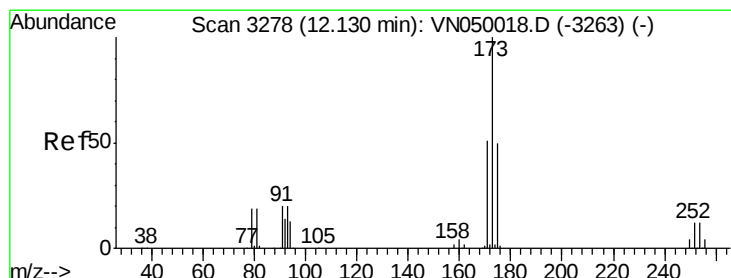
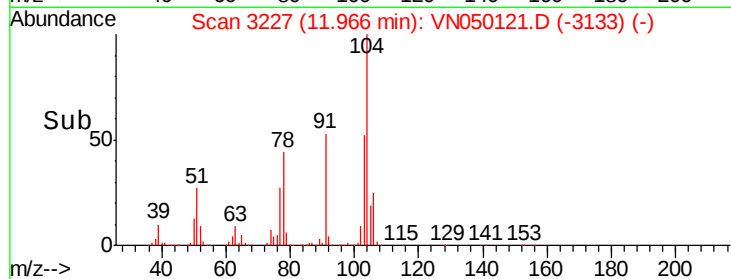
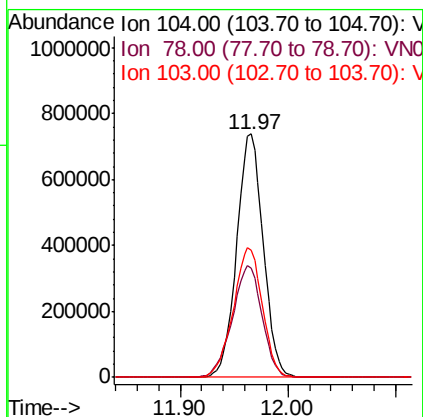
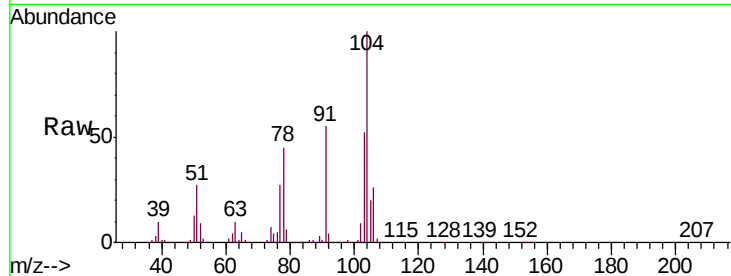
#70
Stvrene
Concen: 47.13 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMS

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.3	39.3	58.9
103	58.3	45.0	67.6

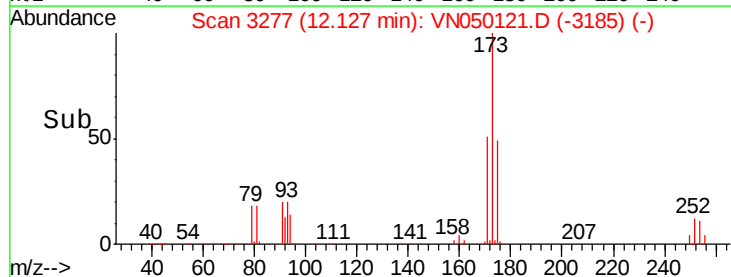
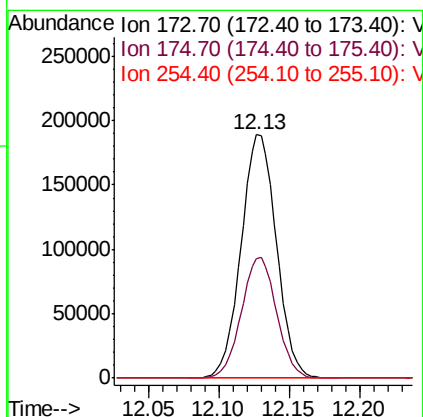
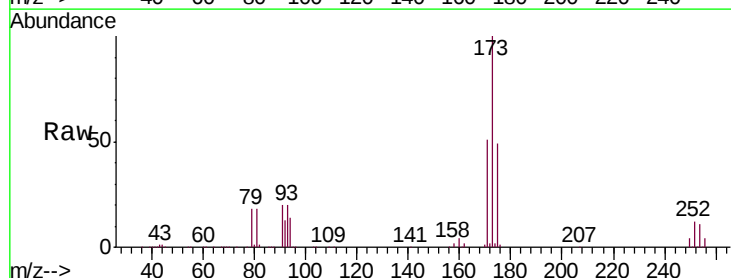
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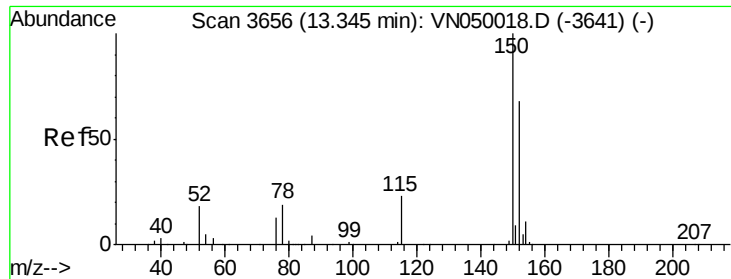
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#71
Bromoform
Concen: 45.31 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.1	72.2
254	0.1	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMS

Tot Ion:152 Resp: 530320

Ion Ratio Lower Upper

152 100

115 58.0 27.8 83.3

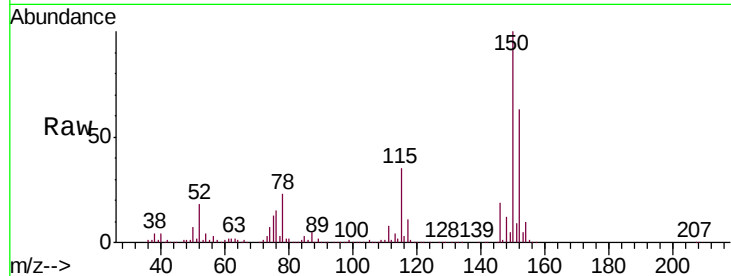
150 173.9 0.0 348.6

Manual Integrations

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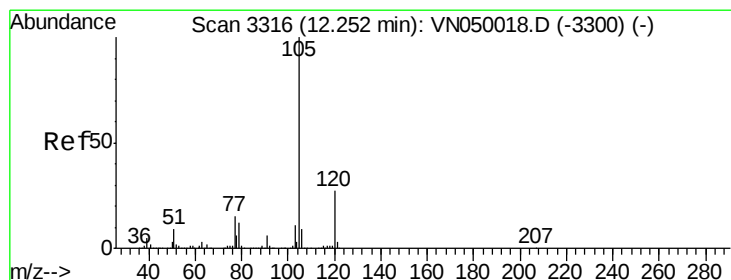
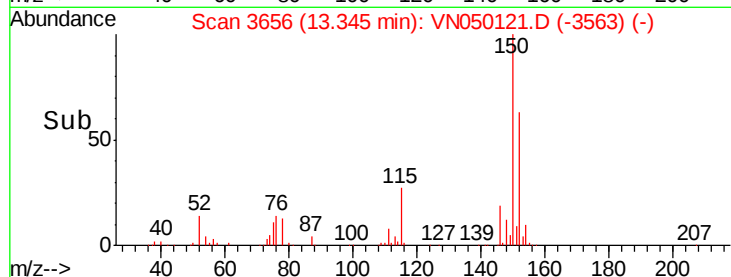
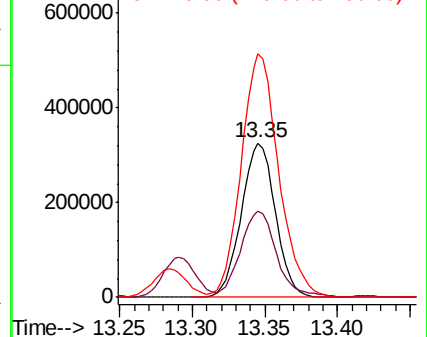
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 58.45 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050121.D

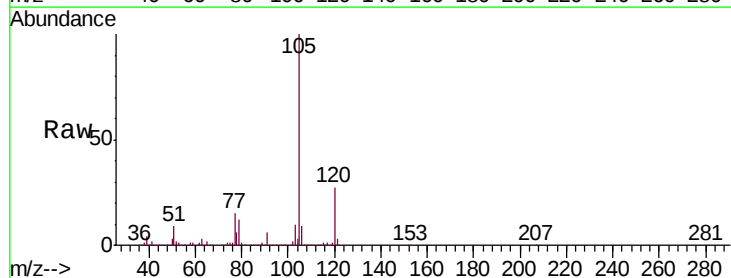
Acq: 27 Jul 2018 8:12

Tgt Ion:105 Resp: 2403841

Ion Ratio Lower Upper

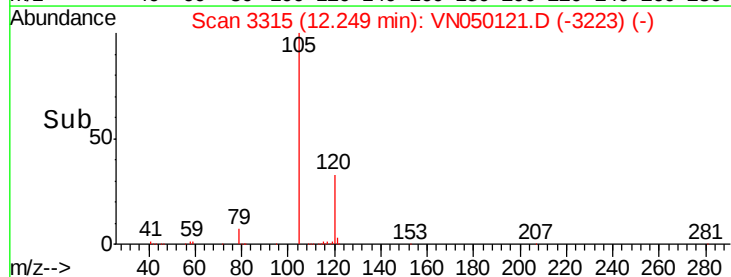
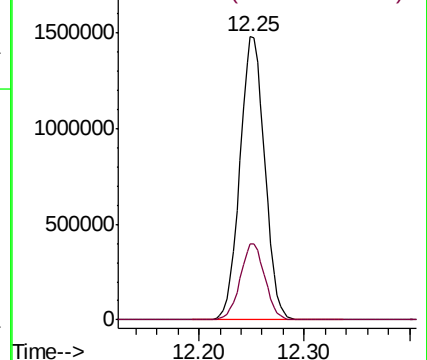
105 100

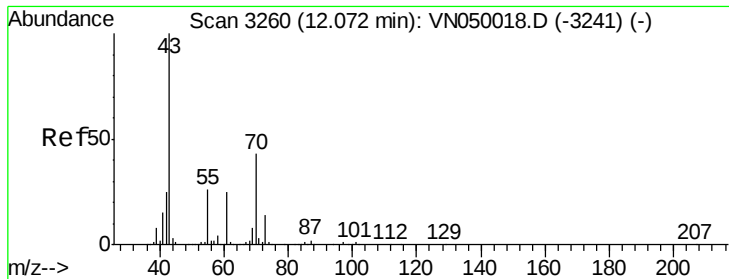
120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 37.85 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

MSVOA_N

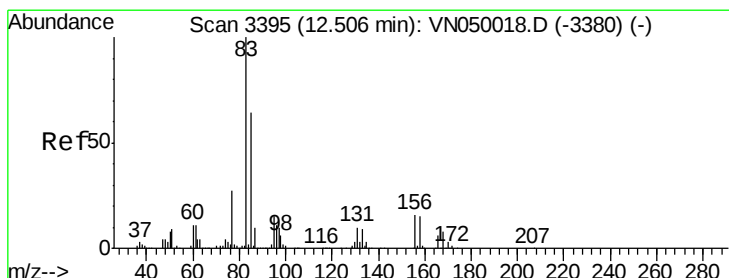
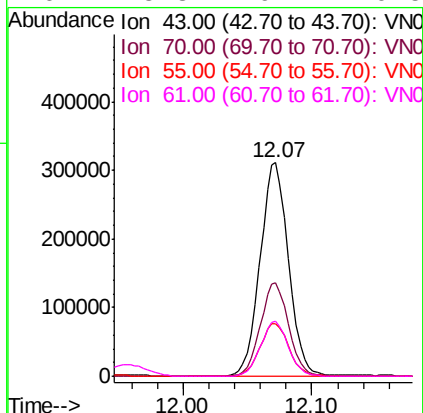
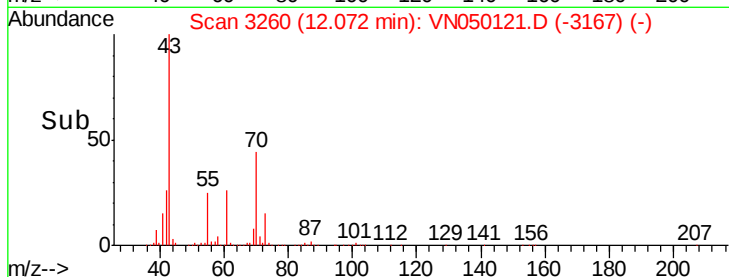
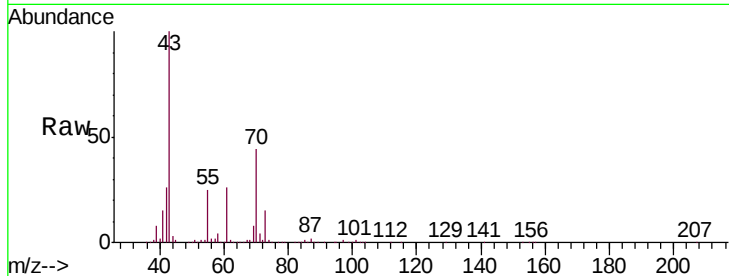
ClientSampleId :

MW-7BSMS

Tot Ion	43.00	Resp	475749
Ion	Ratio	Lower	Upper
43	100		
70	44.0	34.4	51.6
55	25.3	20.8	31.2
61	25.3	19.7	29.5

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#75

1,1,2,2-Tetrachloroethane

Concen: 49.80 ug/l

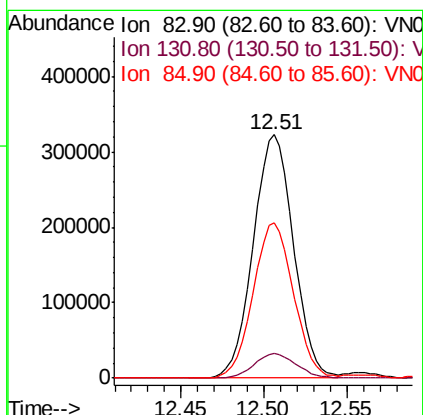
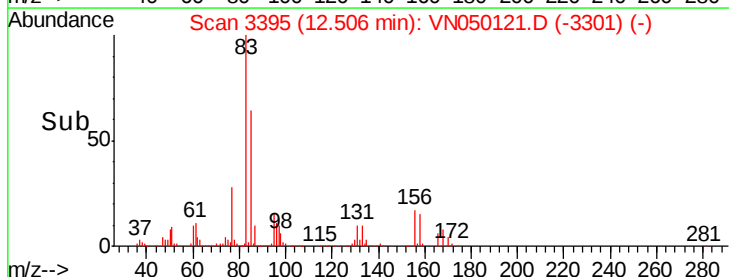
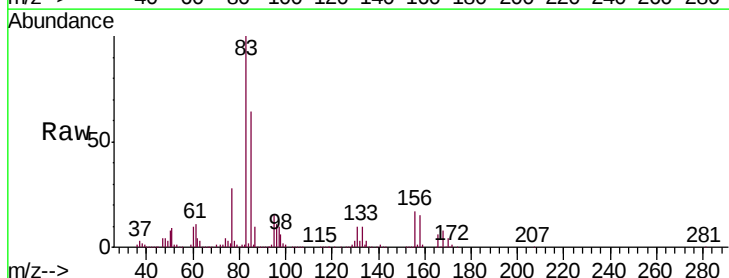
RT: 12.51 min Scan# 3395

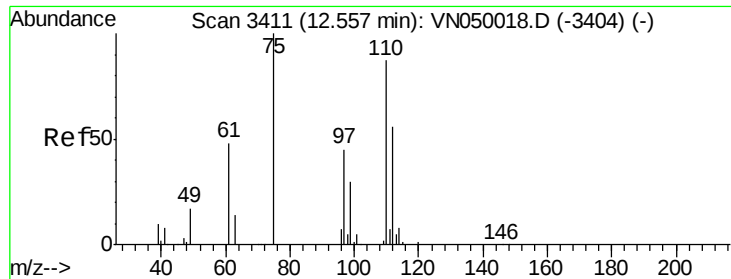
Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Tgt Ion	83	Resp	547156
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.3
85	63.7	32.3	96.8





#76

1,2,3-Trichloropropane

Concen: 45.24 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMS

Tot Ion: 75 Resp: 445894

Ion Ratio Lower Upper

75 100

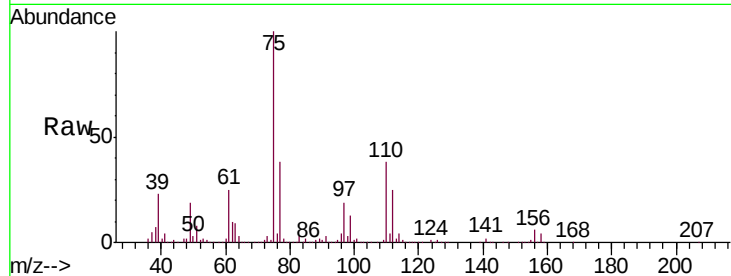
77 0.0 0.0 0.0

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

500000

400000

300000

200000

100000

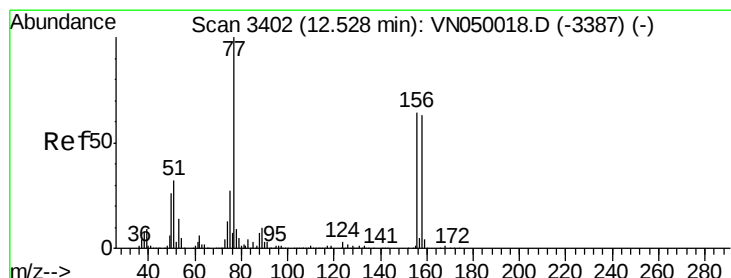
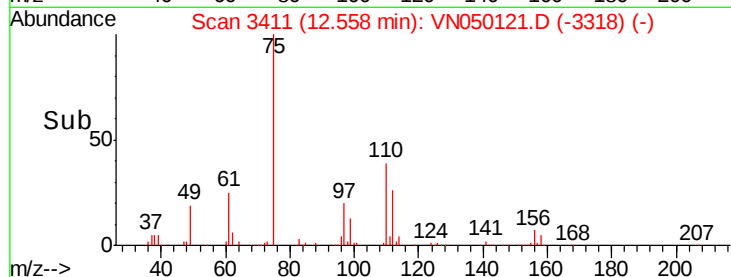
0

12.55

12.56

12.60

Time-->



#77

Bromobenzene

Concen: 49.96 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

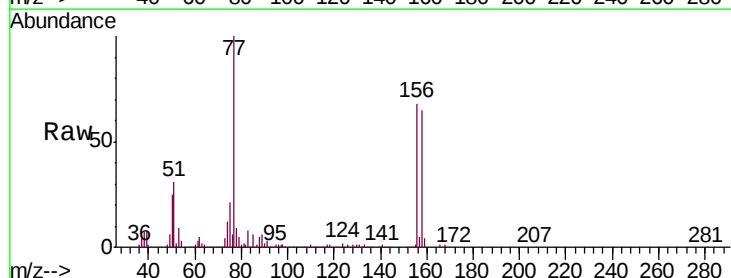
Tgt Ion: 156 Resp: 569535

Ion Ratio Lower Upper

156 100

77 171.2 91.7 275.1

158 93.9 48.9 146.6



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

600000

500000

400000

300000

200000

100000

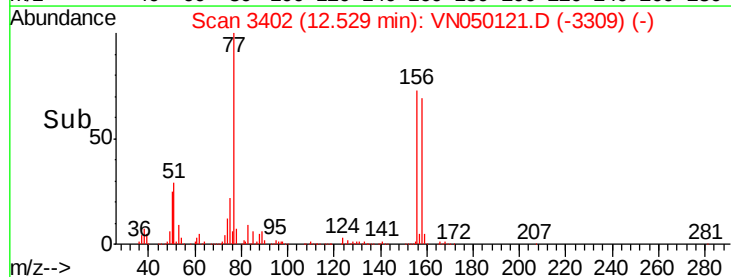
0

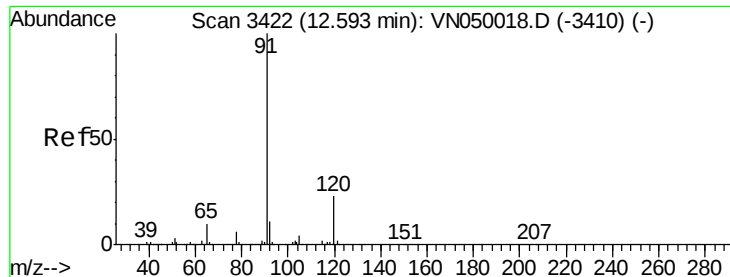
12.50

12.53

12.60

Time-->





#78

n-propylbenzene

Concen: 52.92 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

MSVOA_N

ClientSampled :

MW-7BSMS

Tot Ion: 91 Resp: 2432845

Ion Ratio Lower Upper

91 100

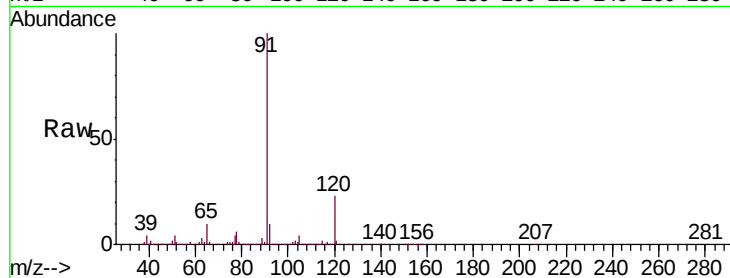
120 23.3 11.6 34.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

1500000

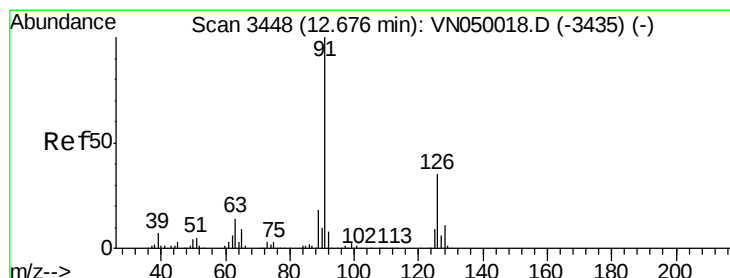
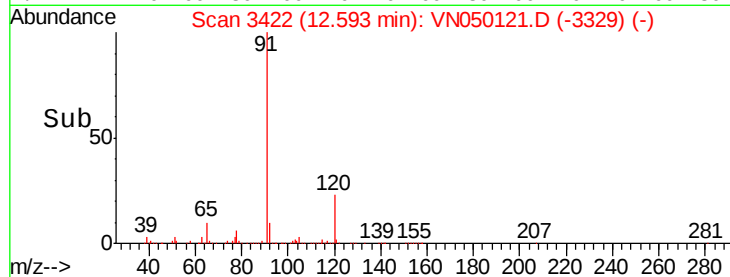
1000000

500000

0

12.55 12.60 12.65

Time-->



#79

2-Chlorotoluene

Concen: 52.12 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050121.D

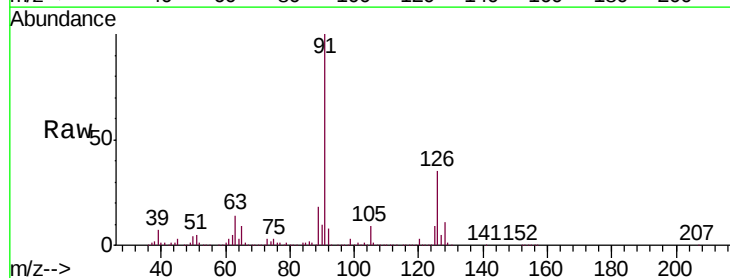
Acq: 27 Jul 2018 8:12

Tgt Ion: 91 Resp: 1485186

Ion Ratio Lower Upper

91 100

126 34.3 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

1500000

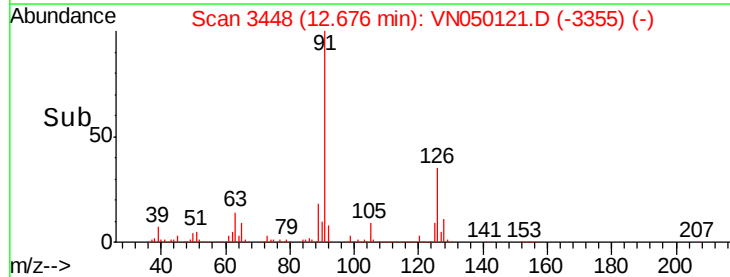
1000000

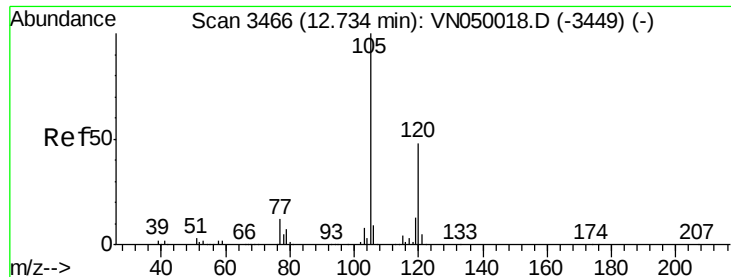
500000

0

12.60 12.65 12.70

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 54.70 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

MSVOA_N

ClientSampled :

MW-7BSMS

Tot Ion:105 Resp: 1769529

Ion Ratio Lower Upper

105 100

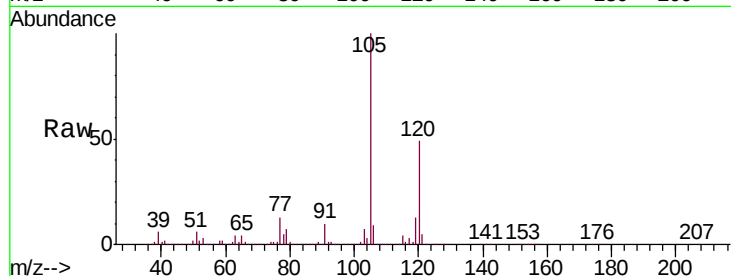
120 49.0 24.4 73.2

Manual Integrations

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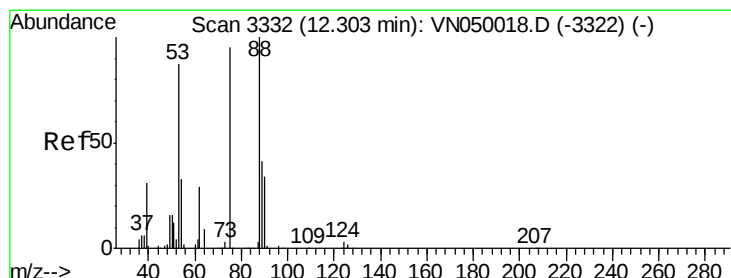
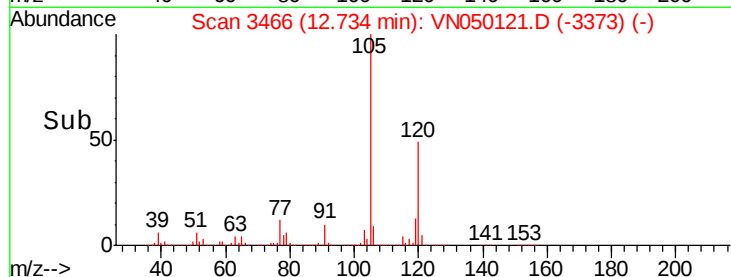
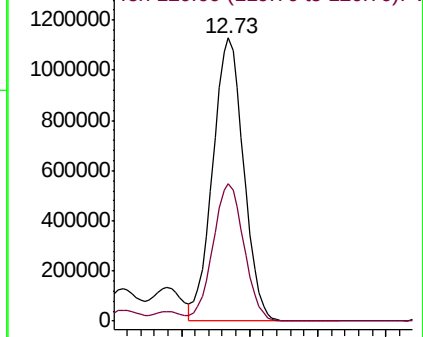
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 32.76 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

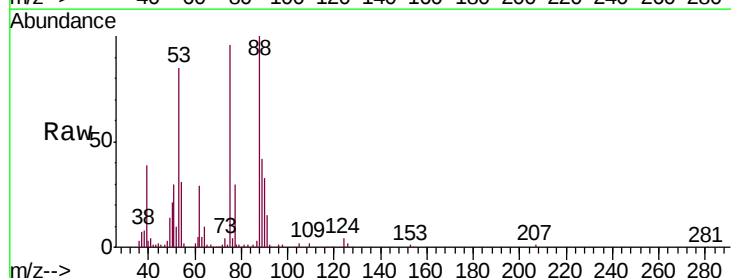
Tgt Ion: 75 Resp: 101803

Ion Ratio Lower Upper

75 100

53 88.1 73.5 110.3

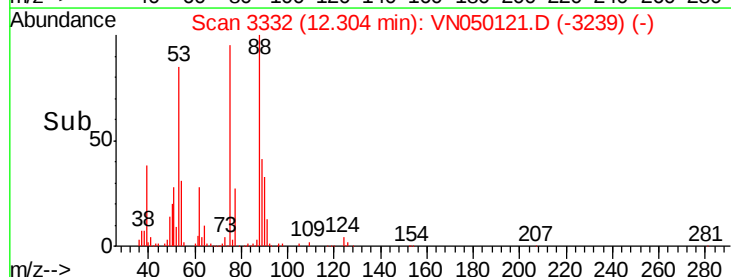
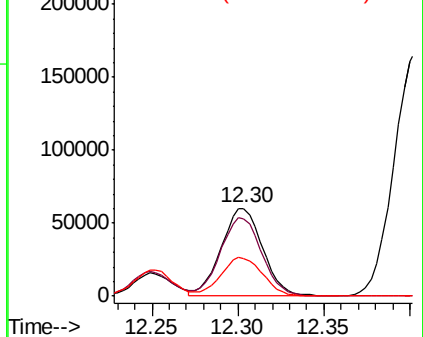
89 43.9 36.0 54.0

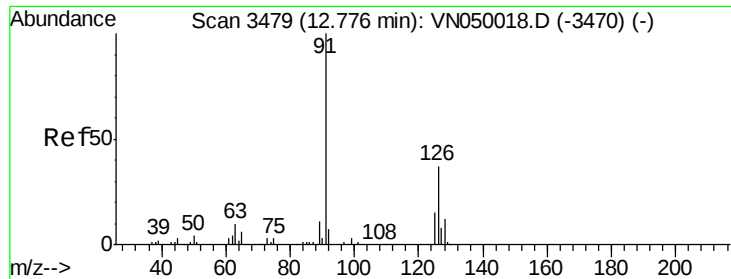


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 50.72 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

MSVOA_N

ClientSampled :

MW-7BSMS

Tot Ion: 91 Resp: 1431287

Ion Ratio Lower Upper

91 100

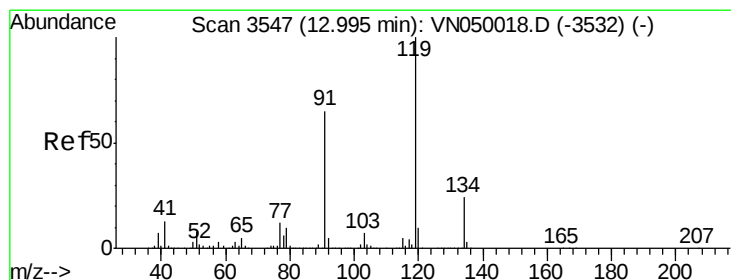
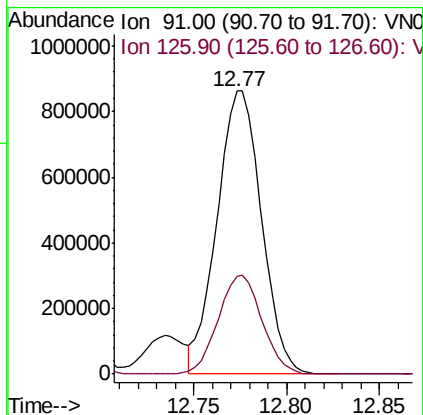
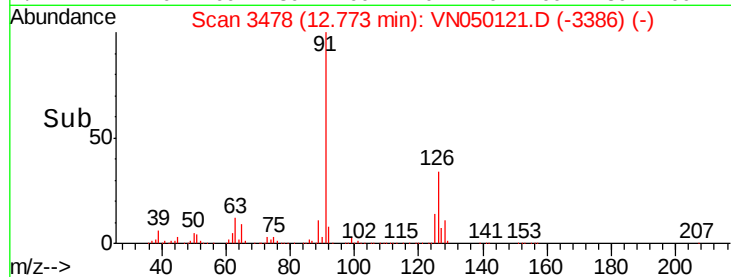
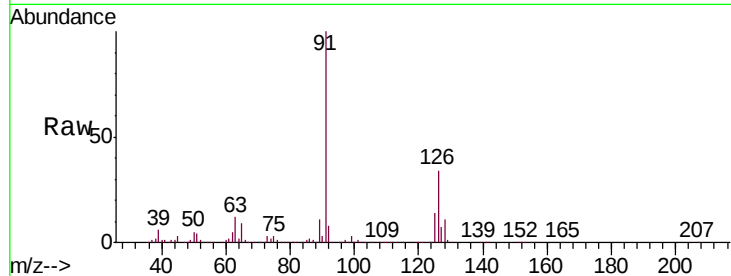
126 34.6 17.0 51.0

Manual Integrations

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#83

tert-Butylbenzene

Concen: 53.44 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

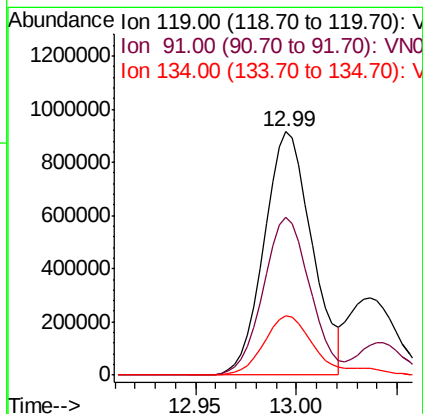
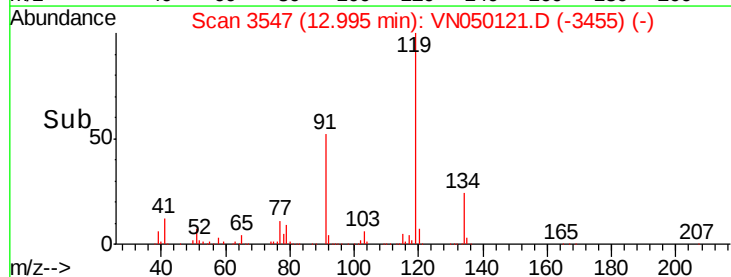
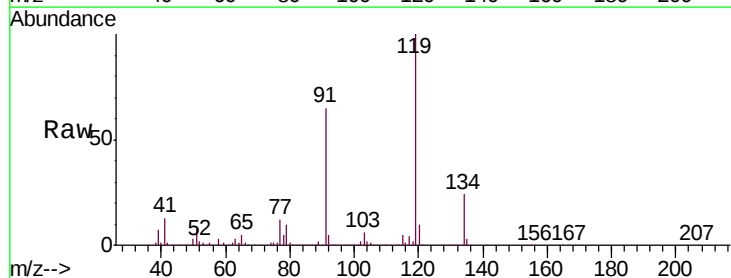
Tgt Ion: 119 Resp: 1508785

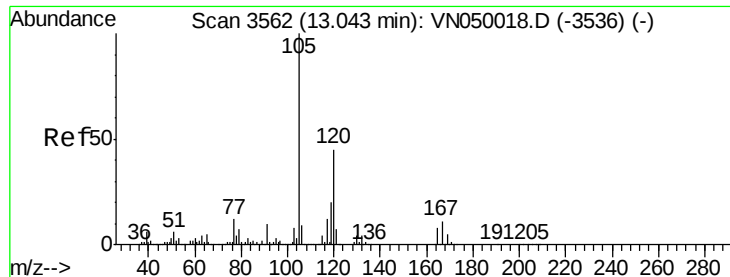
Ion Ratio Lower Upper

119 100

91 63.7 32.1 96.3

134 26.5 13.2 39.5





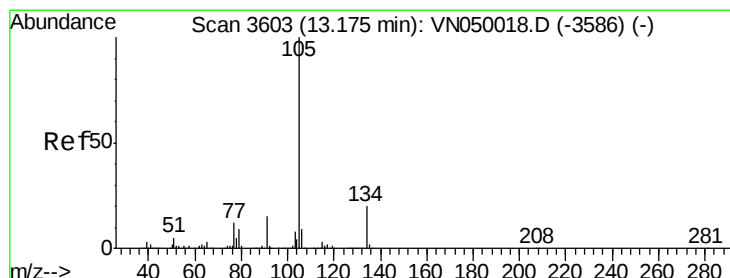
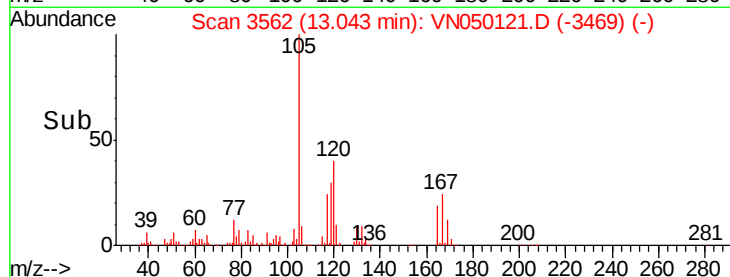
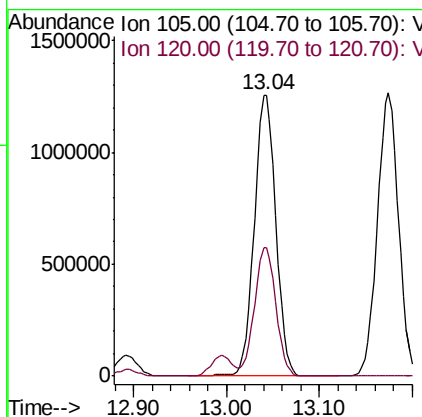
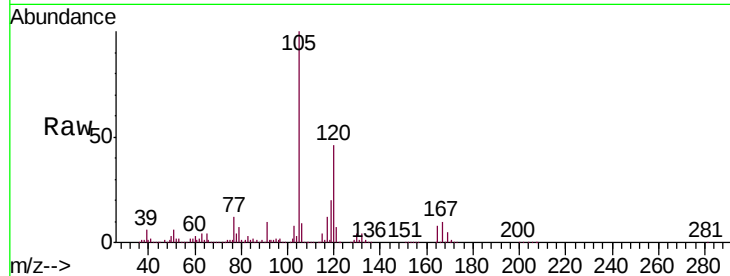
#84
 1,2,4-Trimethylbenzene
 Concen: 61.77 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050121.D
 Acq: 27 Jul 2018 8:12

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BSMS

Tot Ion:105 Resp: 2014246
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.9 68.7

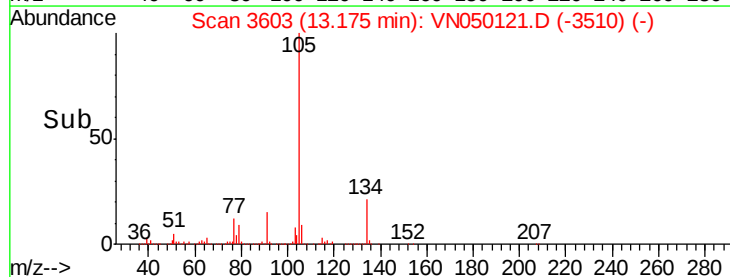
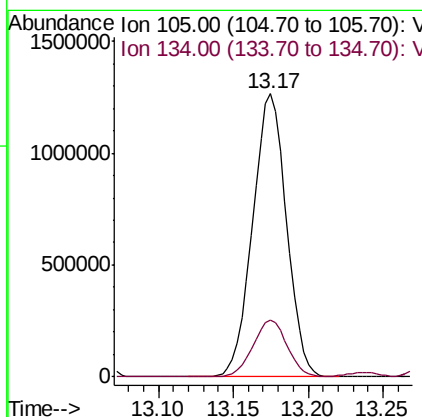
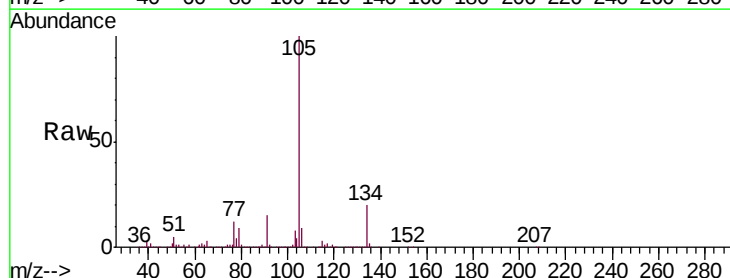
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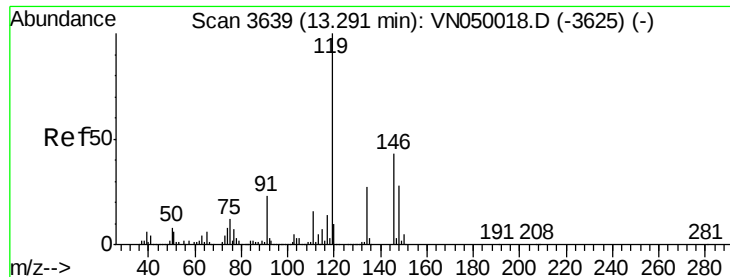
MMDadoda
 7/27/2018 12:17:04 PM



#85
 sec-Butylbenzene
 Concen: 52.70 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050121.D
 Acq: 27 Jul 2018 8:12

Tgt Ion:105 Resp: 1988195
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.1





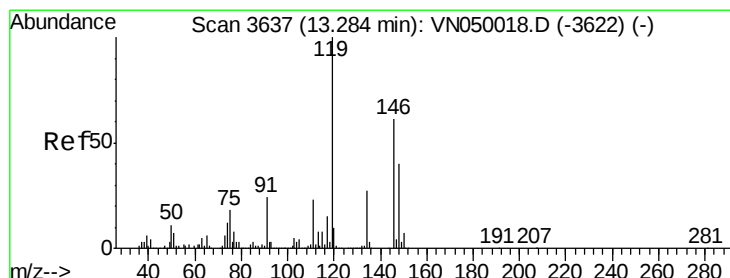
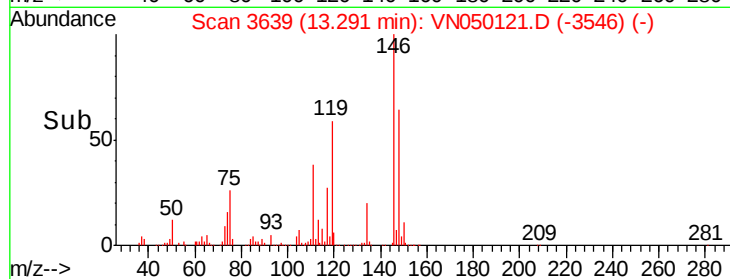
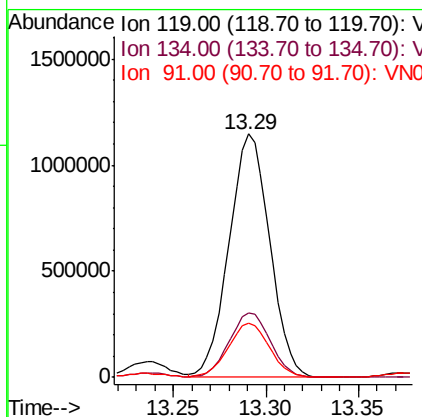
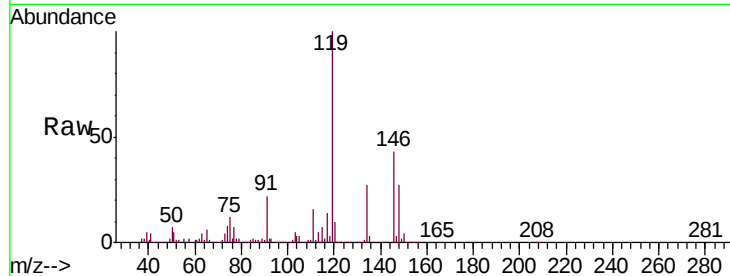
#86
 p-Isopropyltoluene
 Concen: 54.82 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050121.D
 Acq: 27 Jul 2018 8:12

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BSMS

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.3	39.8
91	22.4	11.4	34.2

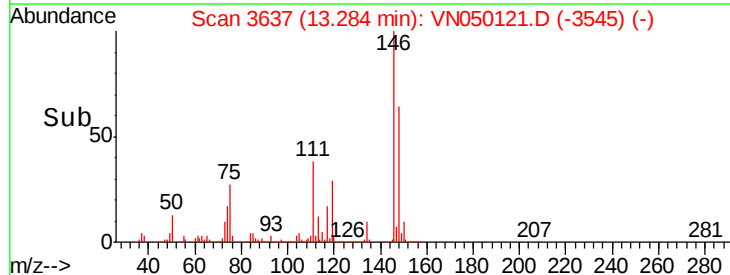
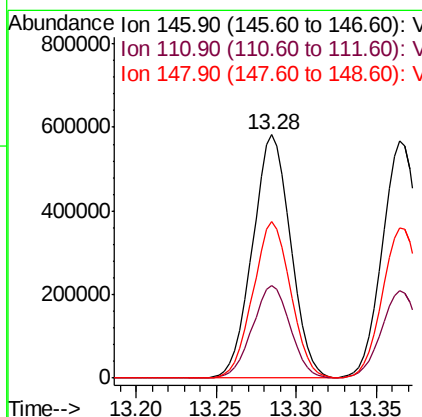
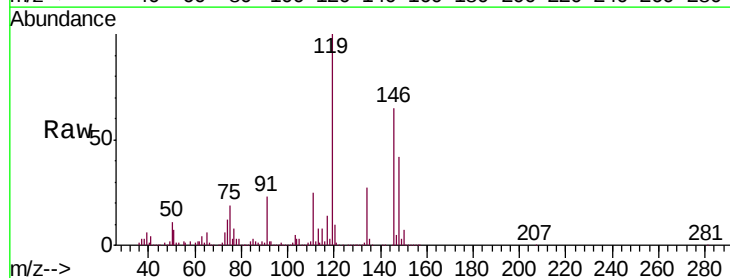
Manual Integrations
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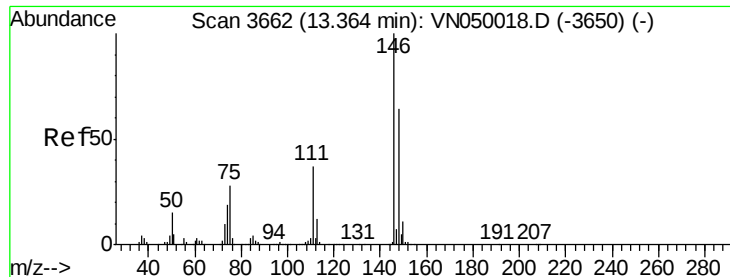
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#87
 1,3-Dichlorobenzene
 Concen: 49.26 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050121.D
 Acq: 27 Jul 2018 8:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	63.7	31.9	95.9





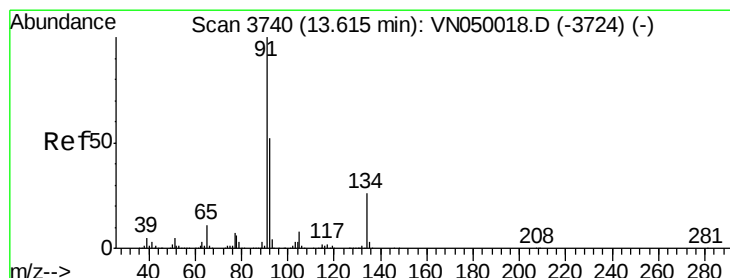
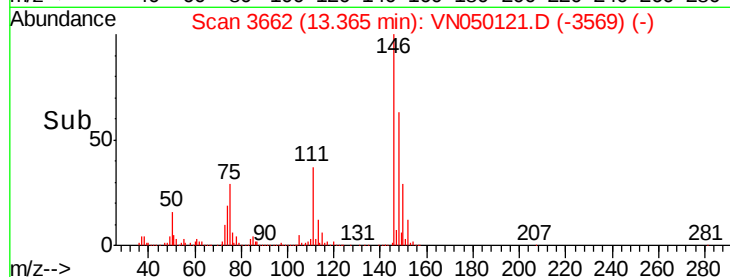
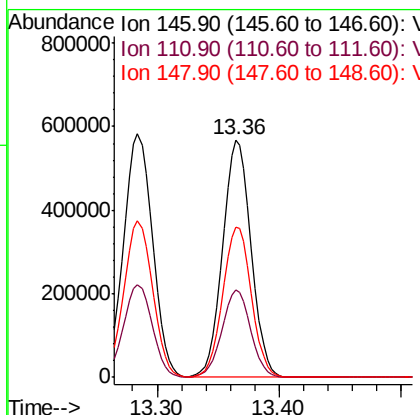
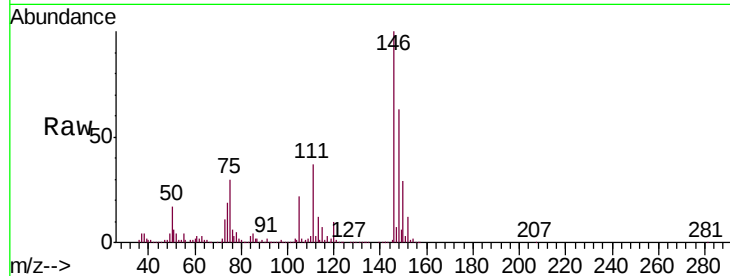
#88
 1,4-Dichlorobenzene
 Concen: 49.29 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050121.D
 Acq: 27 Jul 2018 8:12

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BSMS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.3	54.9
148	64.0	31.9	95.9

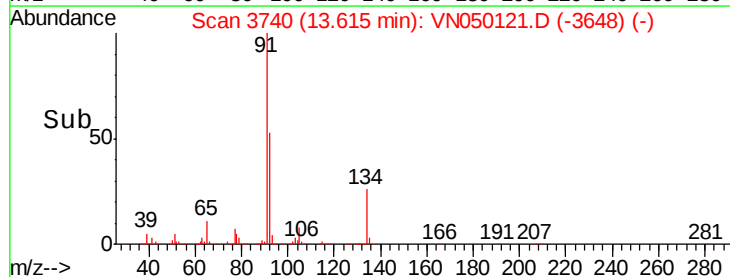
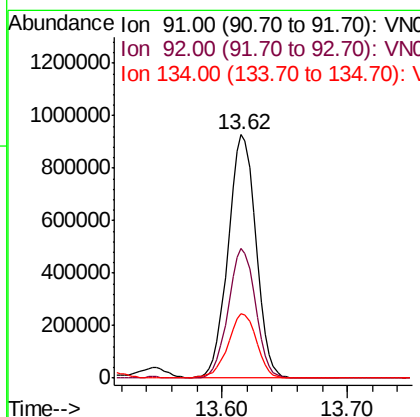
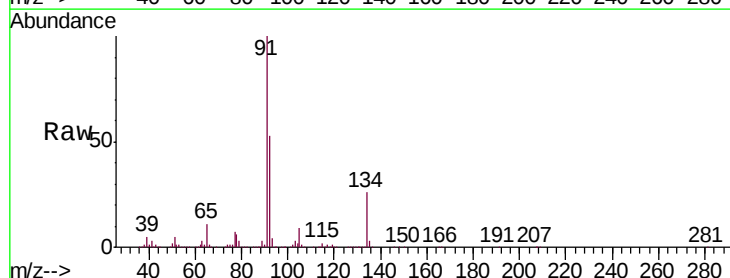
Manual Integrations
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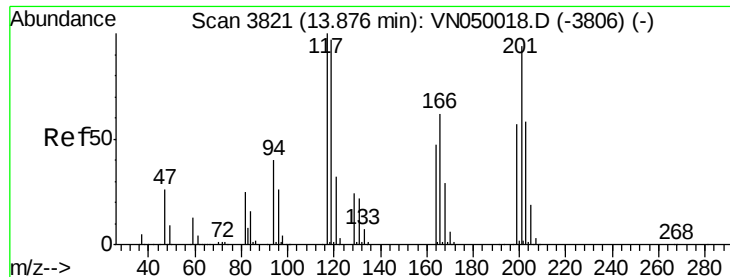
MMDadoda
 7/27/2018 12:17:04 PM



#89
 n-Butylbenzene
 Concen: 54.47 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN050121.D
 Acq: 27 Jul 2018 8:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.8	77.4
134	27.3	12.8	38.4





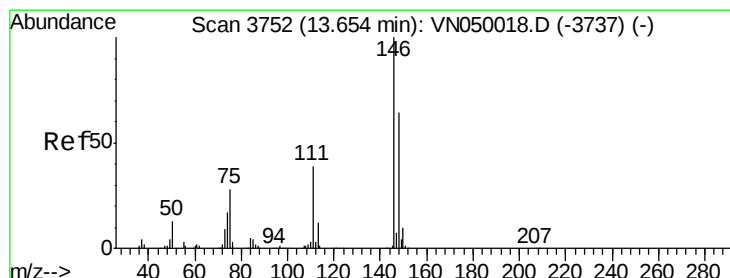
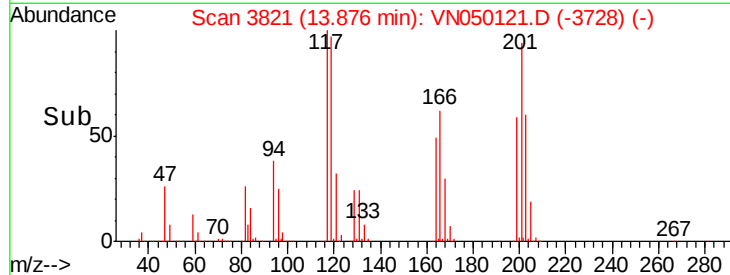
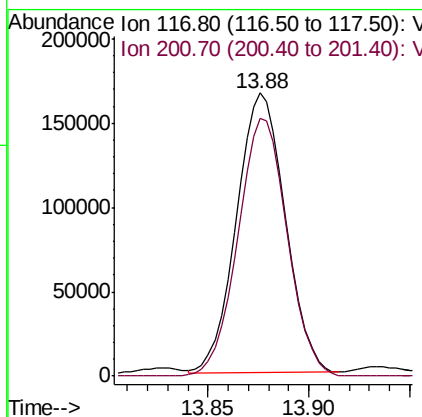
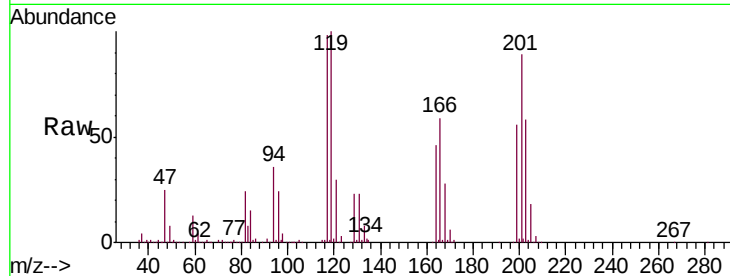
#90
Hexachloroethane
Concen: 39.69 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Instrument :
MSVOA_N
ClientSampled :
MW-7BSMS

Tot Ion:117 Resp: 280156
Ion Ratio Lower Upper
117 100
201 93.2 45.6 136.8

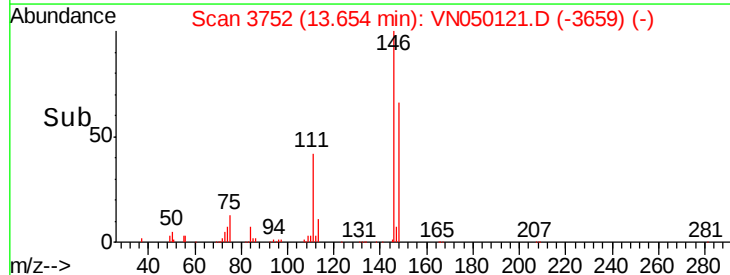
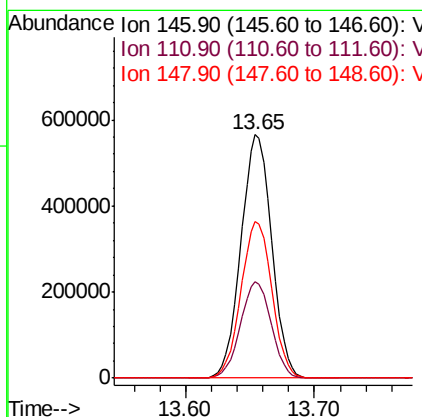
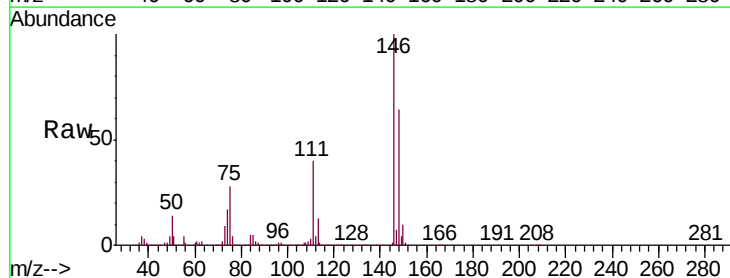
Manual Integrations
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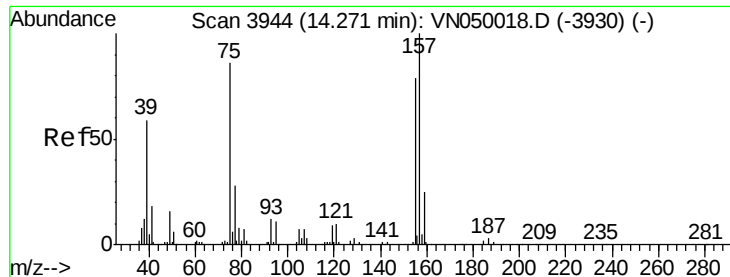
MMDadoda
7/27/2018 12:17:04 PM



#91
1,2-Dichlorobenzene
Concen: 48.58 ug/l
RT: 13.65 min Scan# 3752
Delta R.T. 0.00 min
Lab File: VN050121.D
Acq: 27 Jul 2018 8:12

Tgt Ion:146 Resp: 938499
Ion Ratio Lower Upper
146 100
111 39.6 19.6 58.7
148 64.5 32.1 96.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 48.44 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

MSVOA_N

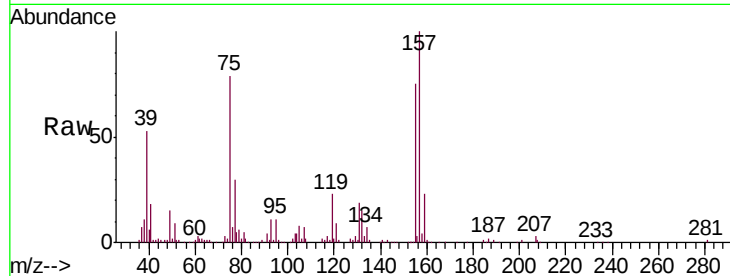
ClientSampleId :

MW-7BSMS

Tot Ion:	75	Resp:	88824
Ion	Ratio	Lower	Upper
75	100		
155	94.4	44.8	134.4
157	122.7	57.2	171.6

Manual Integrations
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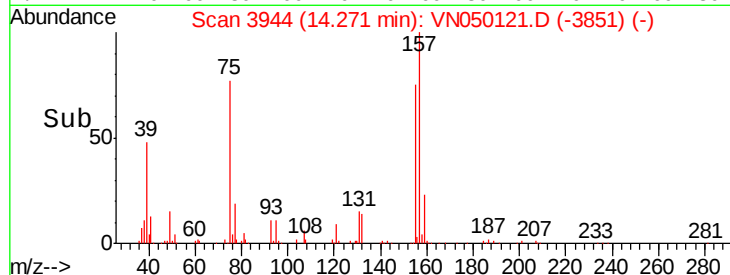


Abundance Ion 74.90 (74.60 to 75.60): VN050121.D (-3851) (-)

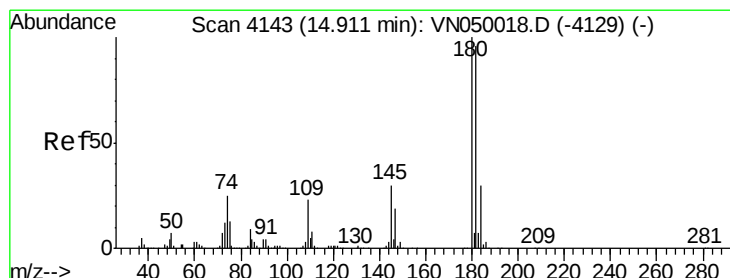
Ion 154.80 (154.50 to 155.50): VN050121.D (-3851) (-)

Ion 156.80 (156.50 to 157.50): VN050121.D (-3851) (-)

Time-->



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 51.39 ug/l

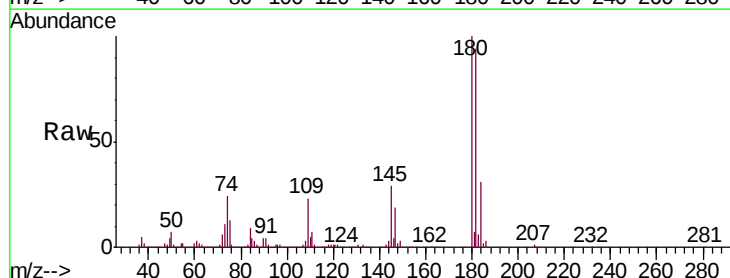
RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Tgt Ion:	180	Resp:	527411
Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.7	140.1
145	28.9	13.8	41.4

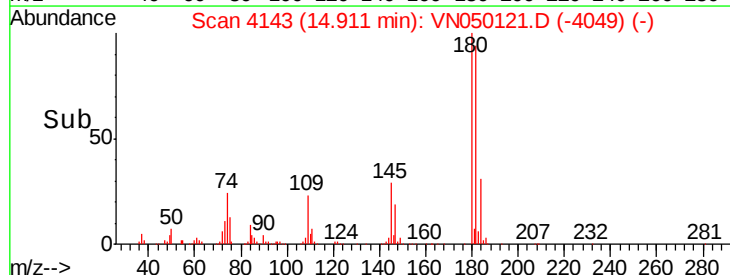


Abundance Ion 179.80 (179.50 to 180.50): VN050121.D (-4049) (-)

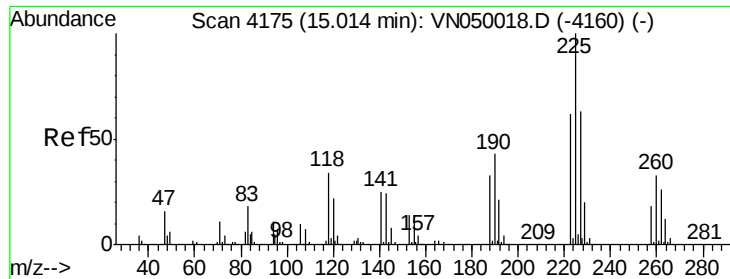
Ion 181.80 (181.50 to 182.50): VN050121.D (-4049) (-)

Ion 144.80 (144.50 to 145.50): VN050121.D (-4049) (-)

Time-->



Time-->



#94

Hexachlorobutadiene

Concen: 46.02 ug/l

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Instrument :

MSVOA_N

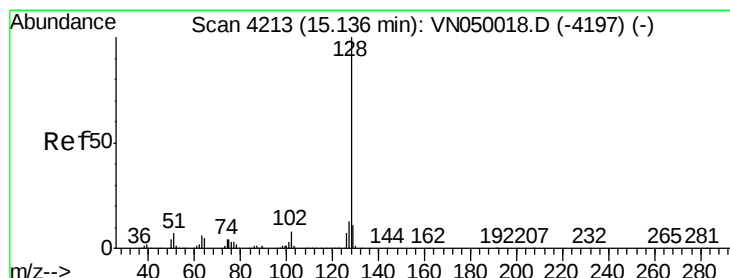
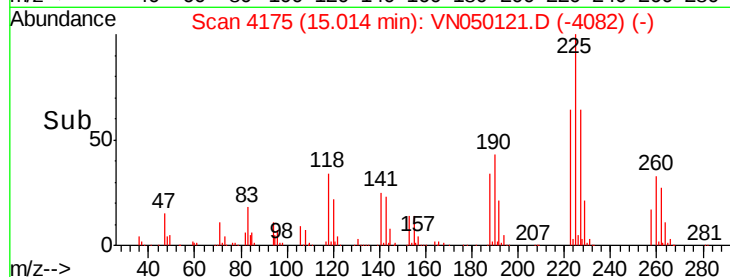
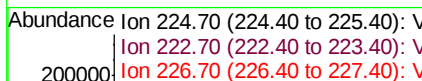
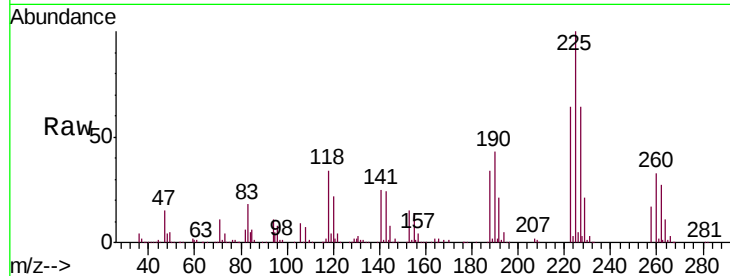
ClientSampleId :

MW-7BSMS

Tot Ion:	225	Resp:	272124
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.4	94.2
227	63.7	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
7/27/2018 12:17:04 PM



#95

Naphthalene

Concen: 144.86 ug/l

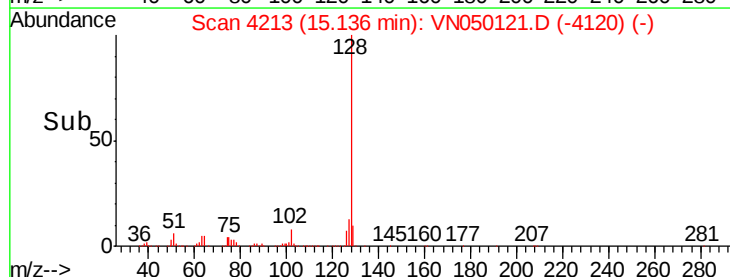
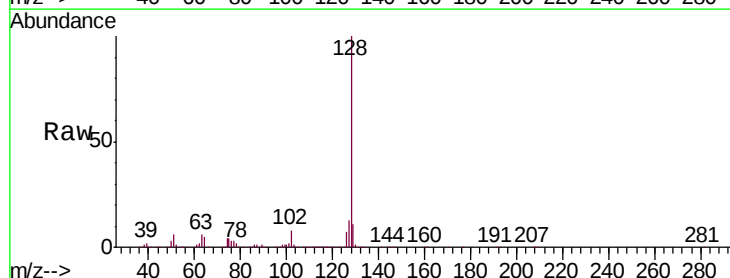
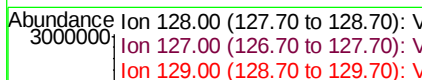
RT: 15.14 min Scan# 4213

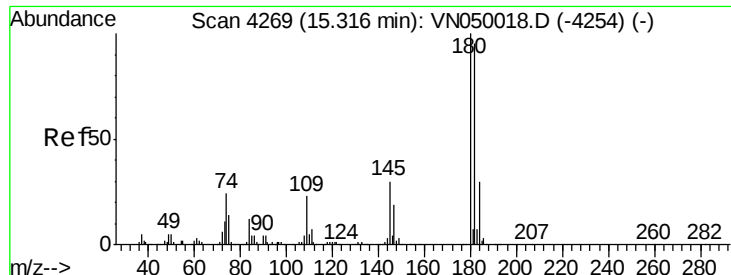
Delta R.T. 0.00 min

Lab File: VN050121.D

Acq: 27 Jul 2018 8:12

Tgt Ion:	128	Resp:	3731017
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.9	8.8	13.2





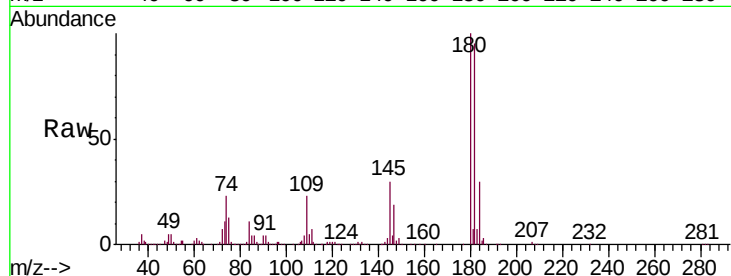
#96
 1,2,3-Trichlorobenzene
 Concen: 52.24 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN050121.D
 Acq: 27 Jul 2018 8:12

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BSMS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.4	48.1	144.4
145	30.7	15.3	45.9

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 12:17:04 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

