

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050565.D
 Acq On : 13 Aug 2018 13:54
 Operator : MD\SY
 Sample : VN0813MBSD01
 Misc : 5.00µl/100µl/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/14/2018 12:50:57 PM

Quant Time: Aug 14 01:41:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	559063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	835432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	771584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	380138	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	389758	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
35) Dibromofluoromethane	7.59	113	358197	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	
50) Toluene-d8	10.09	98	1283771	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.40	95	420525	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	111441	17.96	ug/l	99
3) Chloromethane	2.06	50	155590	20.35	ug/l	99
4) Vinyl Chloride	2.18	62	151340	18.84	ug/l	98
5) Bromomethane	2.56	94	91156	23.50	ug/l	98
6) Chloroethane	2.70	64	97583	19.72	ug/l	100
7) Trichlorofluoromethane	3.01	101	202147	19.49	ug/l	98
8) Diethyl Ether	3.41	74	78775	20.71	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	126713	19.76	ug/l	98
10) Methyl Iodide	3.95	142	73103	25.88	ug/l	99
11) Tert butyl alcohol	4.79	59	45458	75.76	ug/l	99
12) 1,1-Dichloroethene	3.74	96	112899	18.68	ug/l	96
13) Acrolein	3.61	56	31352	52.77	ug/l	97
14) Allyl chloride	4.33	41	185191	19.08	ug/l	96
15) Acrylonitrile	4.99	53	238896	95.05	ug/l	98
16) Acetone	3.82	43	211819	94.86	ug/l	99
17) Carbon Disulfide	4.05	76	323649	16.47	ug/l	99
18) Methyl Acetate	4.33	43	124283	21.36	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	347071	20.23	ug/l	99
20) Methylene Chloride	4.55	84	151518	21.35	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	126301	19.31	ug/l	96
22) Diisopropyl ether	5.96	45	439334	22.16	ug/l	99
23) Vinyl Acetate	5.90	43	1407637	99.50	ug/l	99
24) 1,1-Dichloroethane	5.85	63	252187	20.73	ug/l	99
25) 2-Butanone	6.84	43	326076	88.09	ug/l	97
26) 2,2-Dichloropropane	6.83	77	188060	18.75	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	150191	20.72	ug/l	100
28) Bromochloromethane	7.20	49	117861	21.04	ug/l	100
29) Tetrahydrofuran	7.22	42	172976	87.31	ug/l	99
30) Chloroform	7.37	83	258613	21.26	ug/l	100
31) Cyclohexane	7.66	56	194956	17.80	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	206878	19.81	ug/l	100
36) 1,1-Dichloropropene	7.80	75	175829	19.15	ug/l	100
37) Ethyl Acetate	6.93	43	124301	18.80	ug/l	99
38) Carbon Tetrachloride	7.78	117	179137	18.71	ug/l	99

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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	174798	17.45	ug/l	100
40) Benzene	8.04	78	574147	20.34	ug/l	98
41) Methacrylonitrile	7.17	41	48526	13.81	ug/l	92
42) 1,2-Dichloroethane	8.13	62	188226	21.01	ug/l	100
43) Isopropyl Acetate	8.17	43	211007	18.49	ug/l	98
44) Trichloroethene	8.84	130	144684	19.08	ug/l	97
45) 1,2-Dichloropropane	9.12	63	157190	21.19	ug/l	96
46) Dibromomethane	9.21	93	93727	20.46	ug/l	98
47) Bromodichloromethane	9.40	83	198128	20.88	ug/l	100
48) Methyl methacrylate	9.20	41	102921	18.00	ug/l	98
49) 1,4-Dioxane	9.20	88	28007	317.68	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	753769	91.72	ug/l	100
52) Toluene	10.16	92	350022	20.65	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	193530	20.31	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	221567	20.84	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	136492	20.62	ug/l	99
56) Ethyl methacrylate	10.43	69	156637	17.86	ug/l	99
57) 1,3-Dichloropropane	10.71	76	225972	20.80	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	369254	89.48	ug/l	100
59) 2-Hexanone	10.75	43	485702	84.68	ug/l	100
60) Dibromochloromethane	10.90	129	146750	20.13	ug/l	97
61) 1,2-Dibromoethane	11.01	107	130284	19.97	ug/l	97
64) Tetrachloroethene	10.63	164	135205	18.75	ug/l	99
65) Chlorobenzene	11.44	112	384167	19.86	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	146228	20.77	ug/l	99
67) Ethyl Benzene	11.51	91	608259	19.45	ug/l	99
68) m/p-Xylenes	11.62	106	481118	40.42	ug/l	100
69) o-Xylene	11.95	106	232257	20.25	ug/l	99
70) Styrene	11.97	104	381094	20.44	ug/l	99
71) Bromoform	12.13	173	99568	19.35	ug/l #	99
73) Isopropylbenzene	12.25	105	599171	21.00	ug/l	100
74) N-amyl acetate	12.07	43	169479	18.32	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	168176	20.43	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	134295m	19.52	ug/l	
77) Bromobenzene	12.53	156	162415	21.25	ug/l	99
78) n-propylbenzene	12.59	91	672256	20.81	ug/l	99
79) 2-Chlorotoluene	12.68	91	421532	21.13	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	497015	21.46	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	37943	19.37	ug/l	97
82) 4-Chlorotoluene	12.77	91	426347	21.43	ug/l	99
83) tert-Butylbenzene	12.99	119	408797	20.23	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	508603	21.67	ug/l	100
85) sec-Butylbenzene	13.17	105	548893	20.38	ug/l	100
86) p-Isopropyltoluene	13.29	119	465655	20.17	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	276427	20.30	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	264355	19.44	ug/l	98
89) n-Butylbenzene	13.62	91	353598	17.99	ug/l	100
90) Hexachloroethane	13.88	117	83581	20.36	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	270138	19.79	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22966	16.43	ug/l	97

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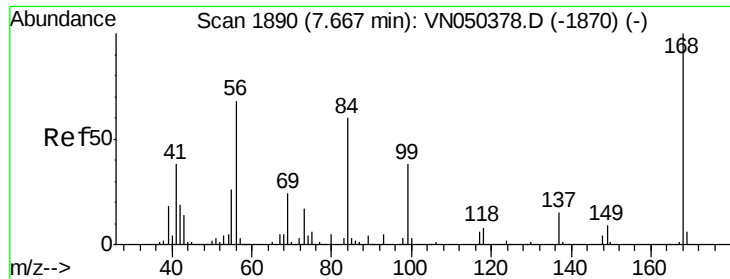
Manual Integrations
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8/14/2018 12:50:57 PM

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	116021	16.69	ug/l	98
94) Hexachlorobutadiene	15.01	225	77511	19.41	ug/l	99
95) Naphthalene	15.13	128	234992	15.46	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	114410	16.28	ug/l	100

(#) = 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: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

Tot Ion:168 Resp: 559063

Ion Ratio Lower Upper

168 100

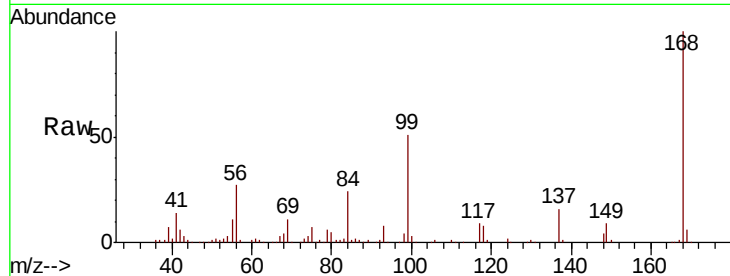
99 51.1 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

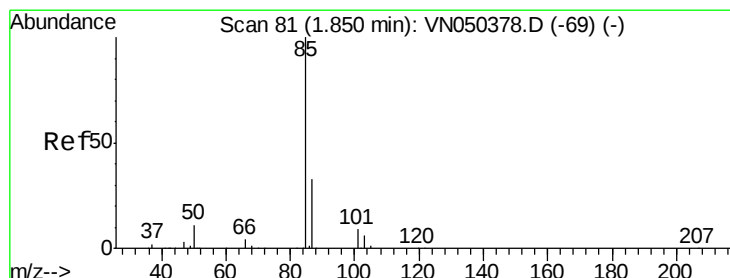
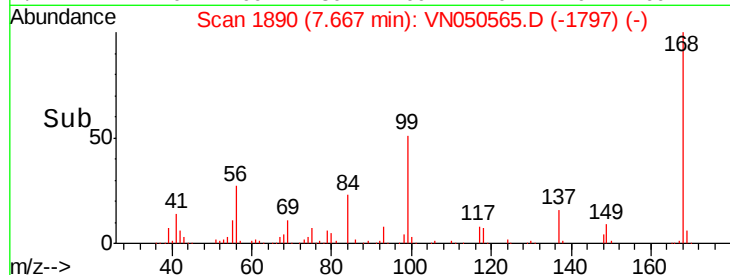
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.96 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050565.D

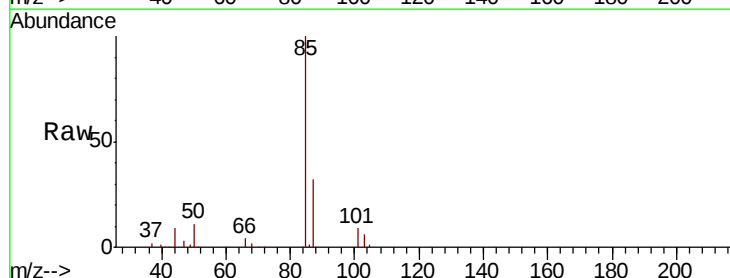
Acq: 13 Aug 2018 13:54

Tgt Ion: 85 Resp: 111441

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

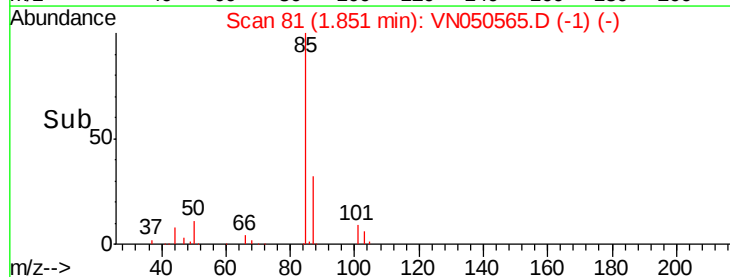
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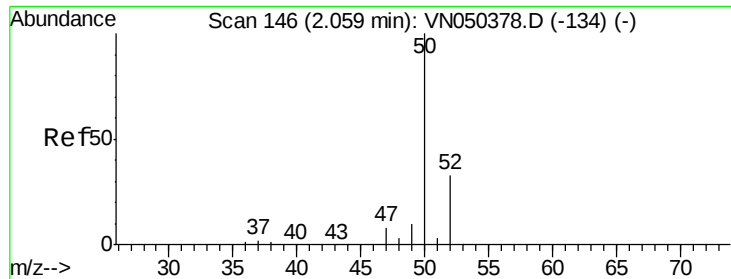
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 20.35 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

Tot Ion: 50 Resp: 155590

Ion Ratio Lower Upper

50 100

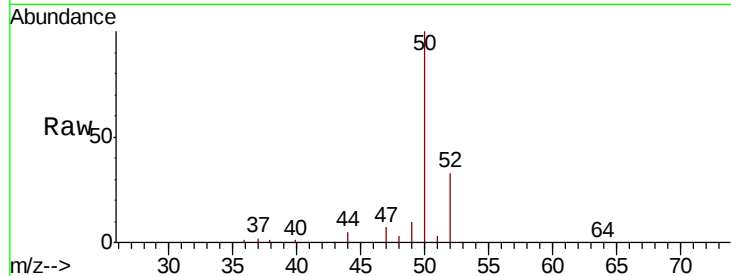
52 33.2 25.9 38.9

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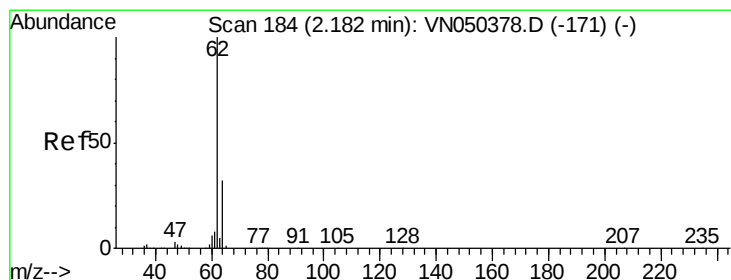
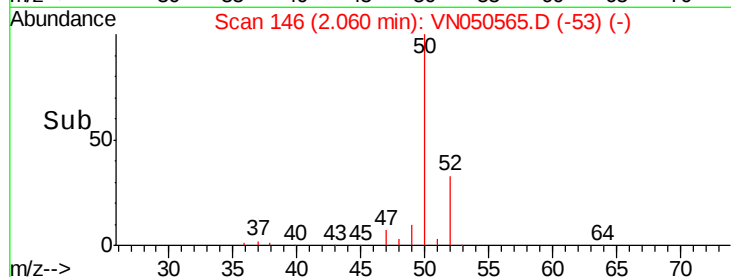
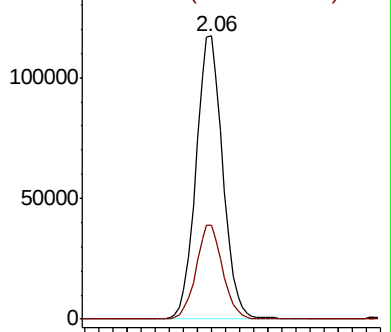
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.84 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050565.D

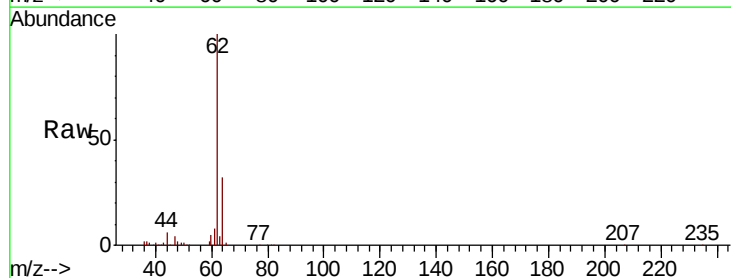
Acq: 13 Aug 2018 13:54

Tgt Ion: 62 Resp: 151340

Ion Ratio Lower Upper

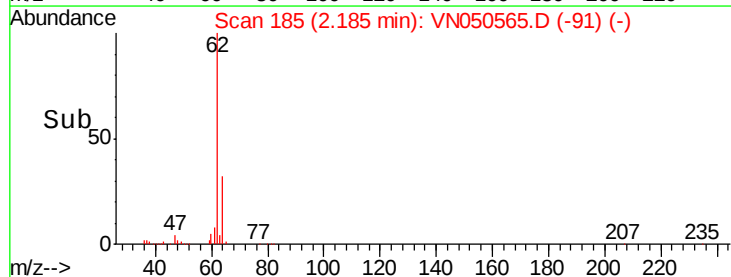
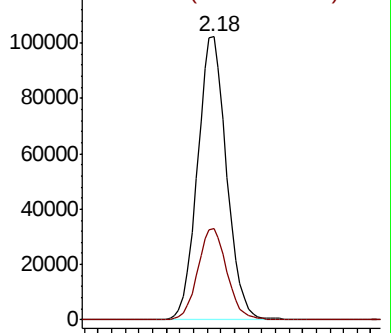
62 100

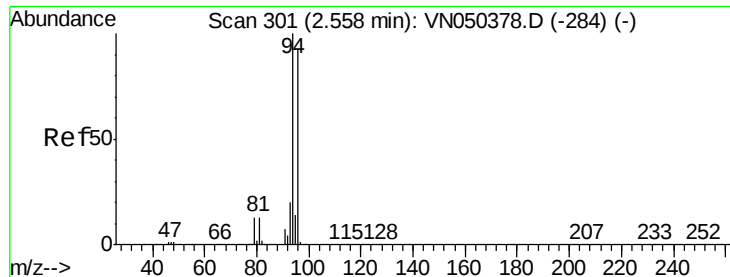
64 32.2 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 23.50 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

Tot Ion: 94 Resp: 91156

Ion Ratio Lower Upper

94 100

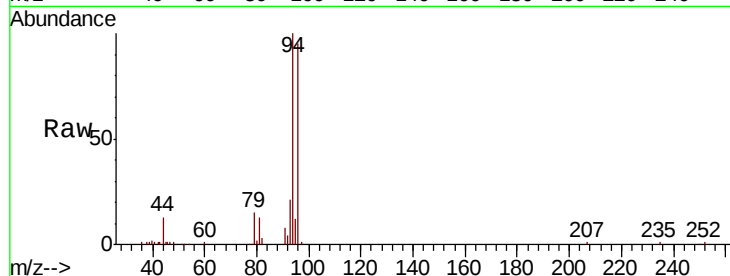
96 95.7 74.6 112.0

Manual Integrations

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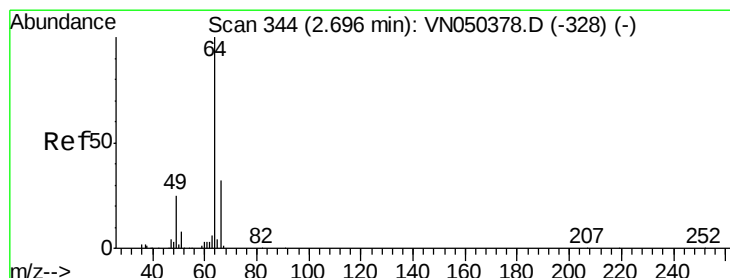
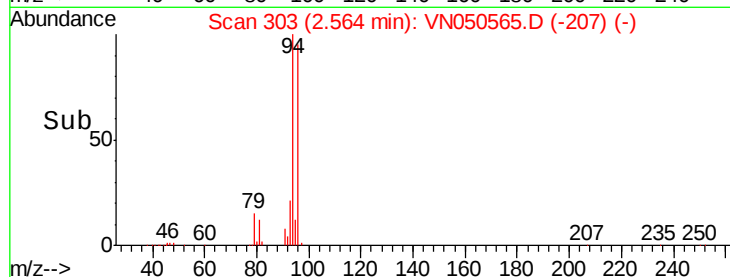
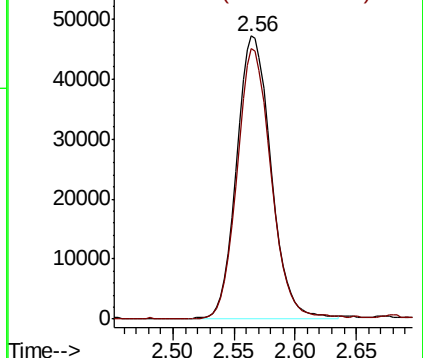
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.72 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VN050565.D

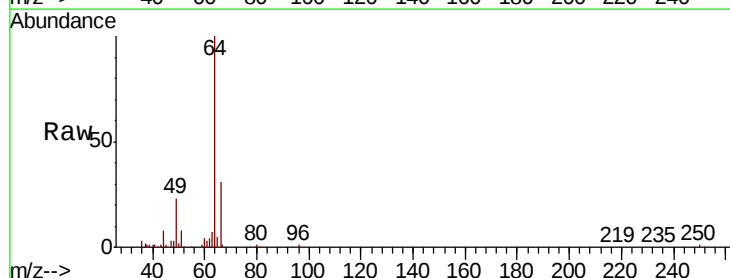
Acq: 13 Aug 2018 13:54

Tgt Ion: 64 Resp: 97583

Ion Ratio Lower Upper

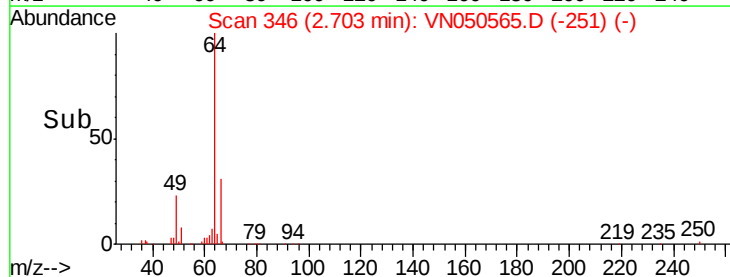
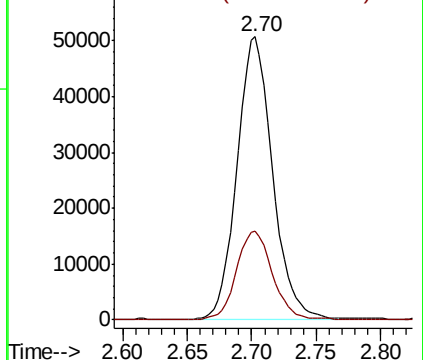
64 100

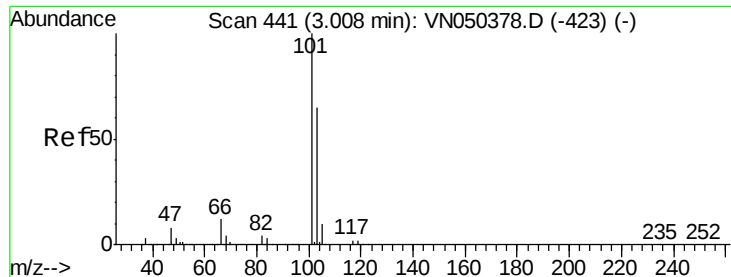
66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

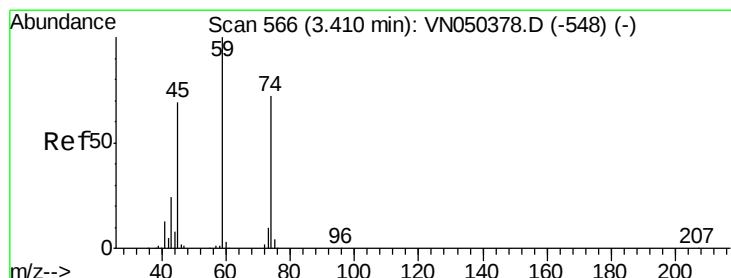
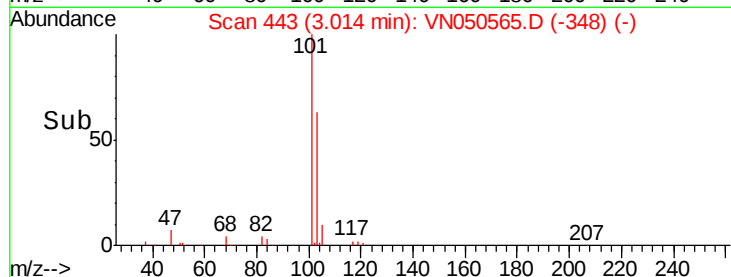
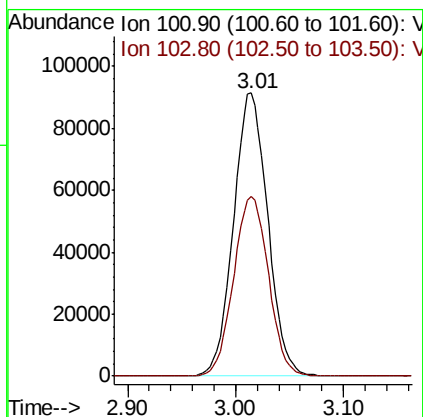
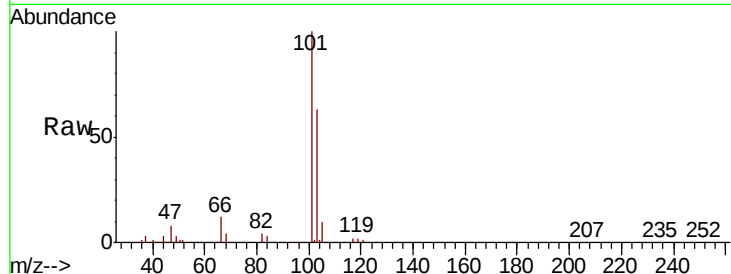
Trichlorofluoromethane
Concen: 19.49 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.01 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.7	77.5

Manual Integrations
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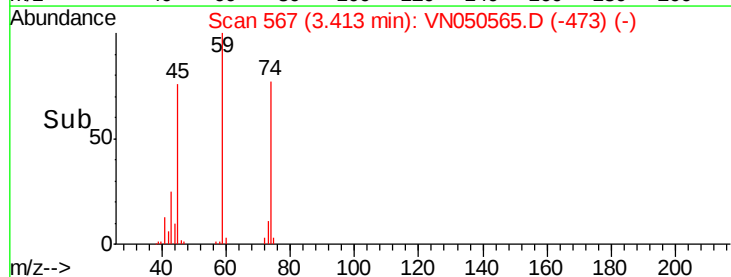
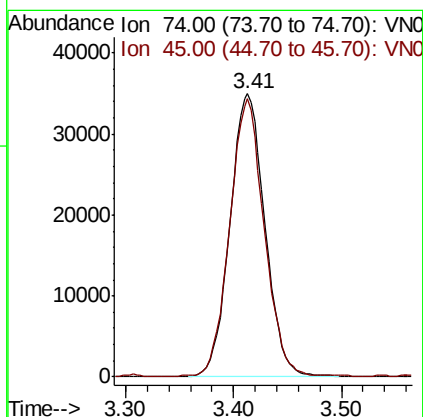
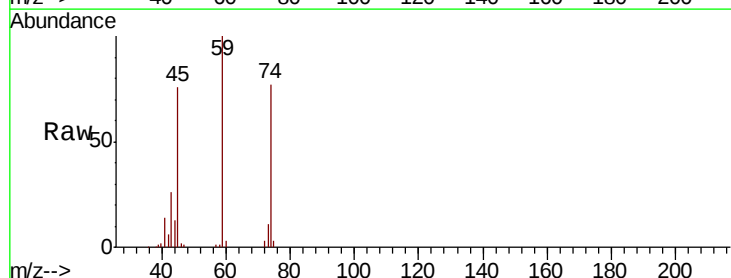
MMDadoda
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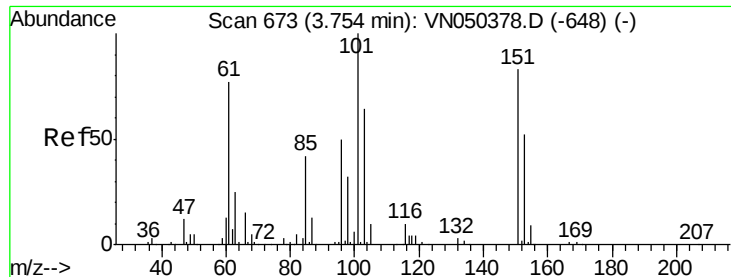


#8

Diethyl Ether
Concen: 20.71 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.76 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.01 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

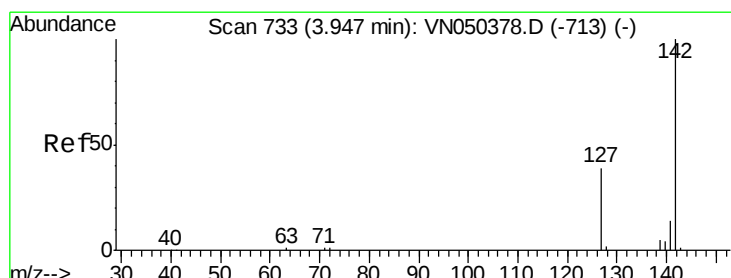
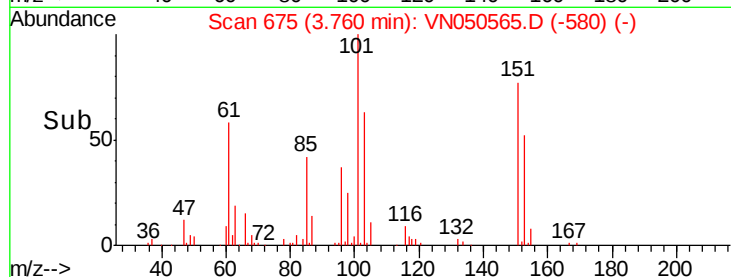
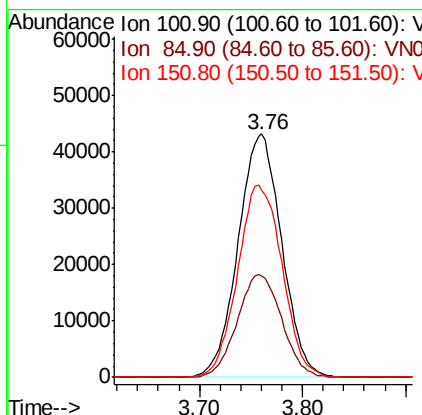
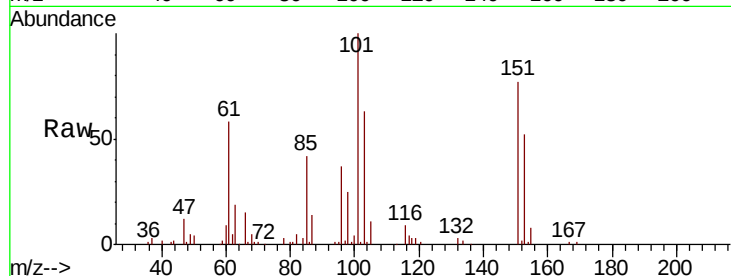
ClientSampleId :

VN0813MBSD01

Tot Ion:	101	Resp:	126713
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.2
151	80.8	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 25.88 ug/l

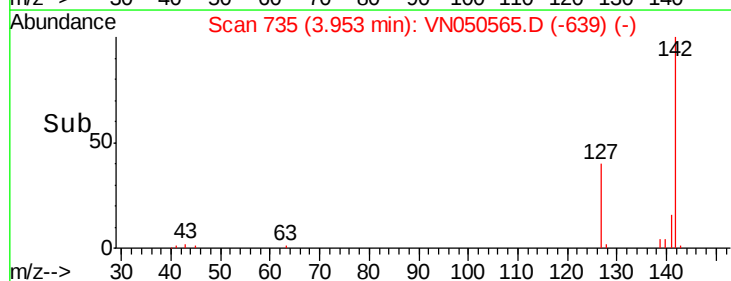
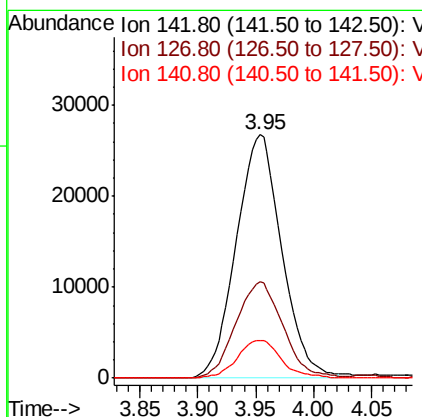
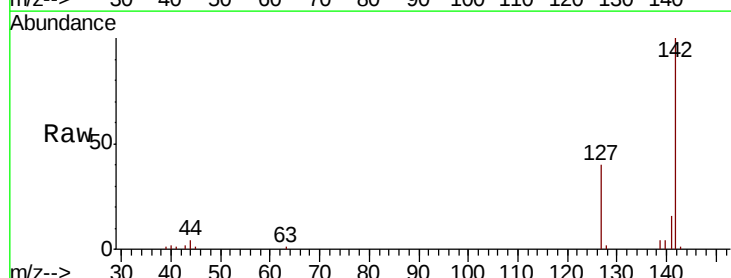
RT: 3.95 min Scan# 735

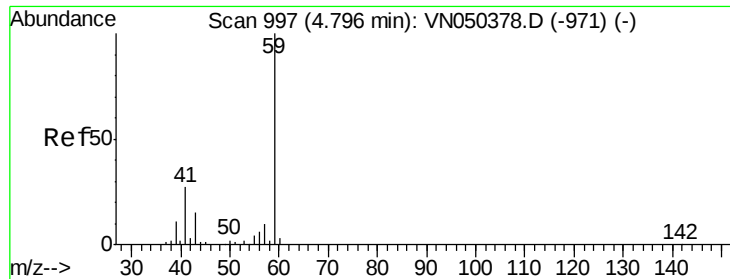
Delta R.T. 0.01 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Tgt Ion:	142	Resp:	73103
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.4	50.2
141	15.0	11.6	17.4





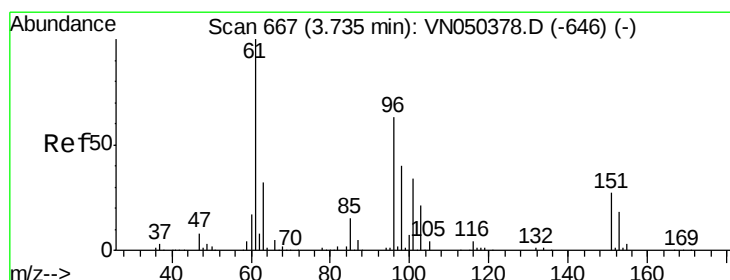
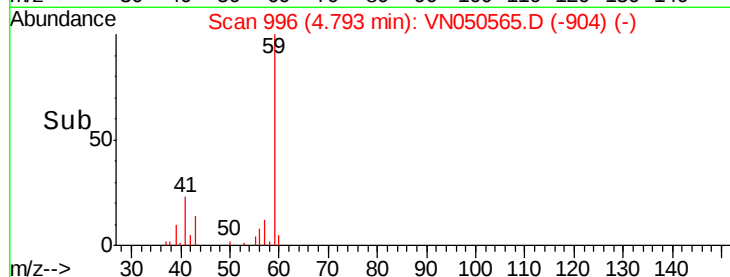
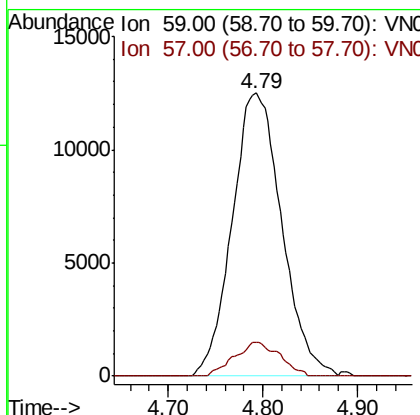
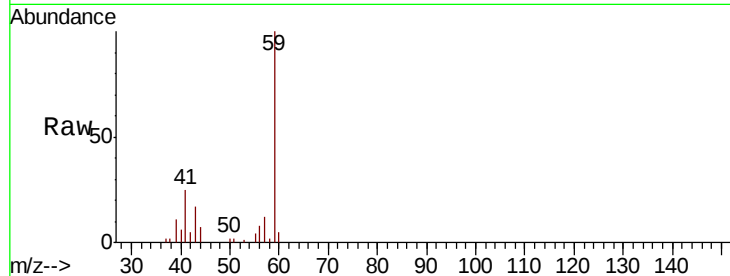
#11
Tert butyl alcohol
Concen: 75.76 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.5	12.7

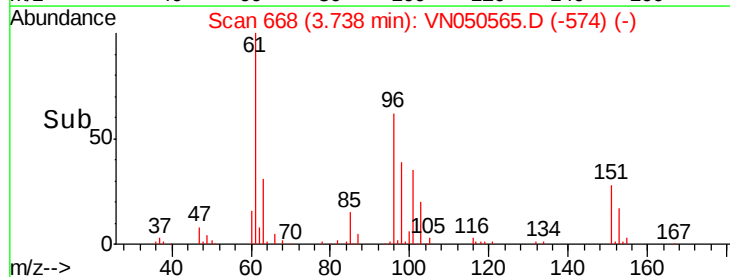
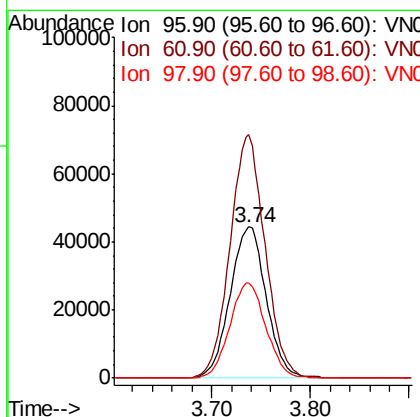
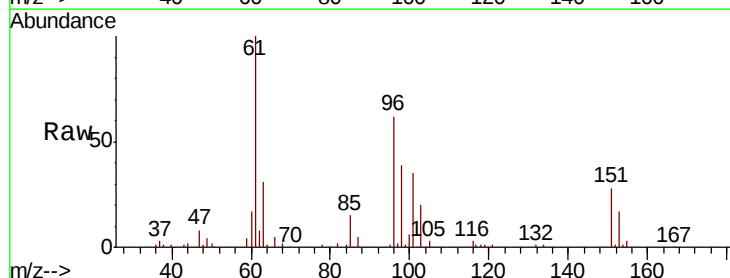
Manual Integrations
APPROVED

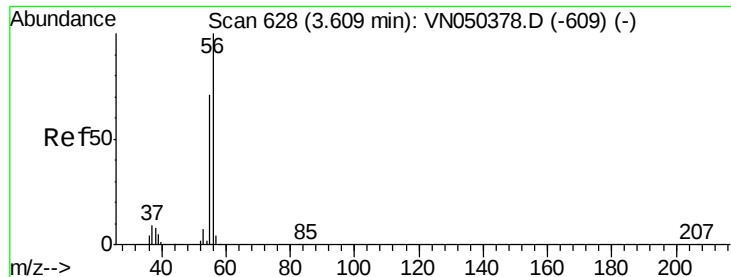
MMDadoda
8/14/2018 12:50:57 PM



#12
1,1-Dichloroethene
Concen: 18.68 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.3	124.4	186.6
98	62.8	48.3	72.5





#13

Acrolein

Concen: 52.77 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

Tot Ion: 56 Resp: 31352

Ion Ratio Lower Upper

56 100

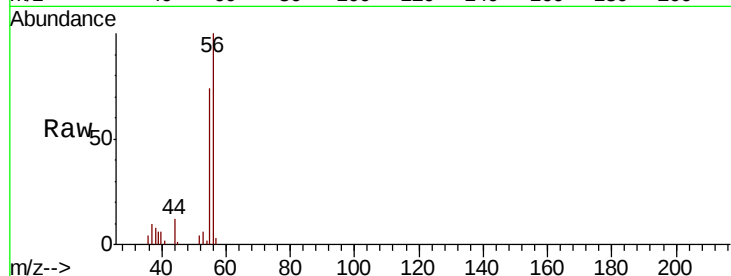
55 71.9 55.8 83.6

Manual Integrations

APPROVED

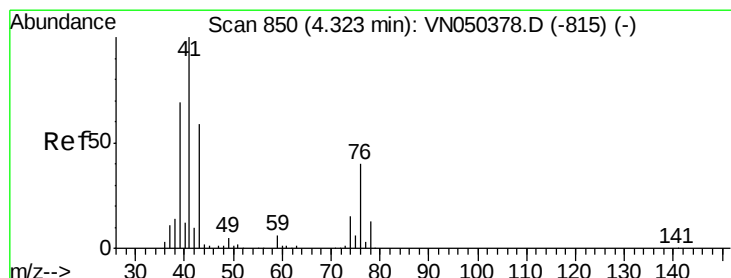
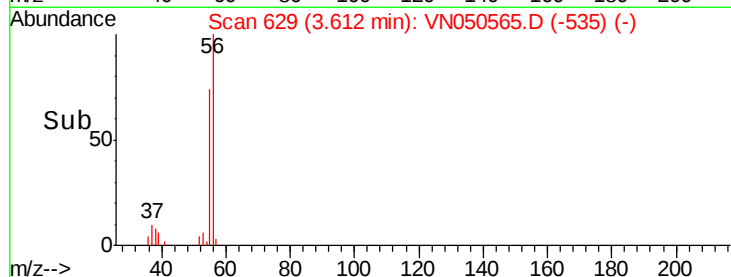
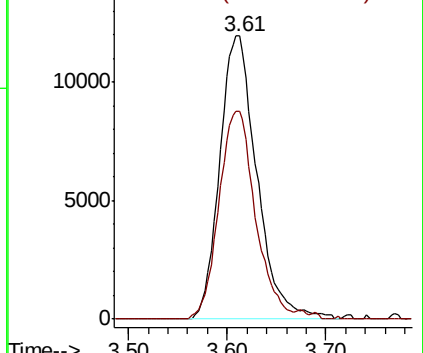
MMDadoda

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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: 19.08 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

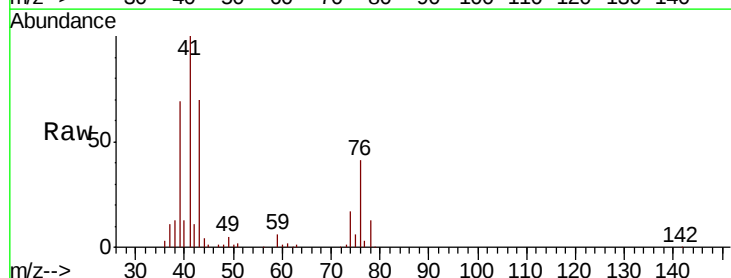
Tgt Ion: 41 Resp: 185191

Ion Ratio Lower Upper

41 100

39 64.6 54.2 81.4

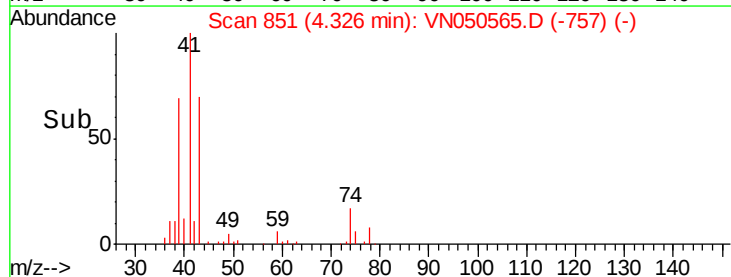
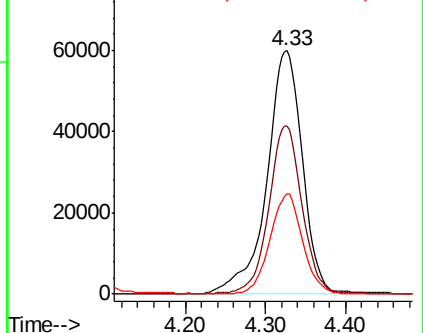
76 37.9 29.0 43.6

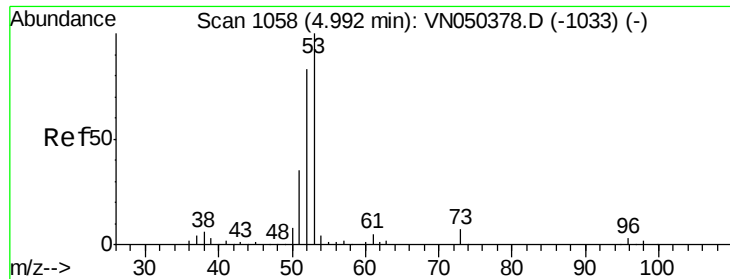


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





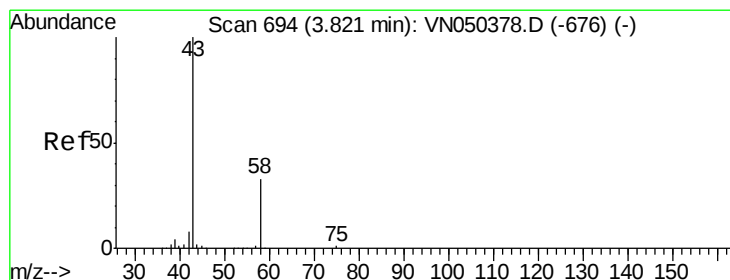
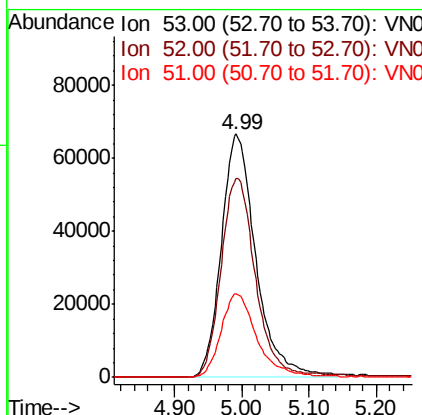
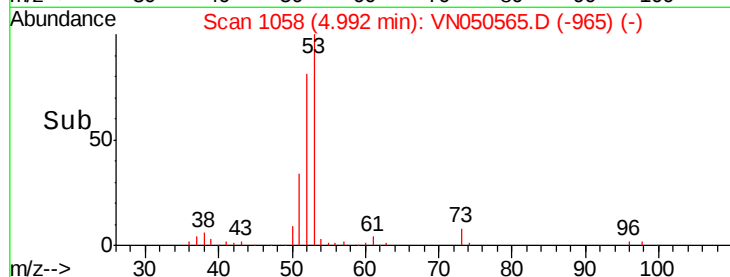
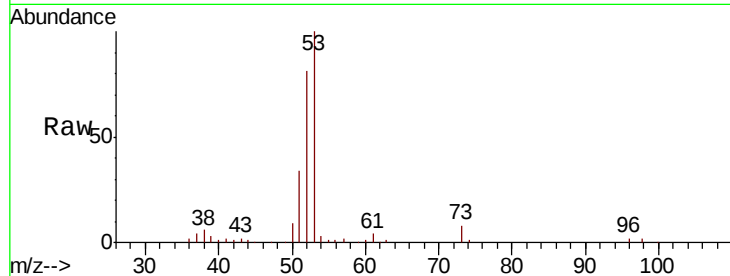
#15
 Acrylonitrile
 Concen: 95.05 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBSD01

Tot Ion	53	Resp	238896
Ion Ratio	Lower	Upper	
53	100		
52	80.7	66.2	99.2
51	35.9	29.3	43.9

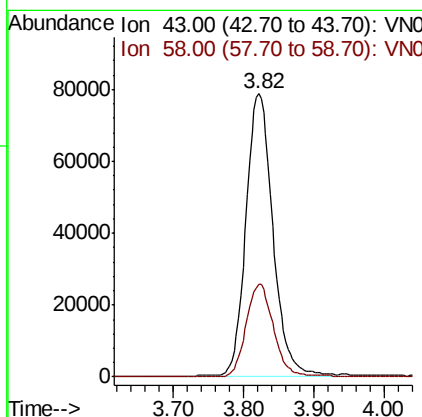
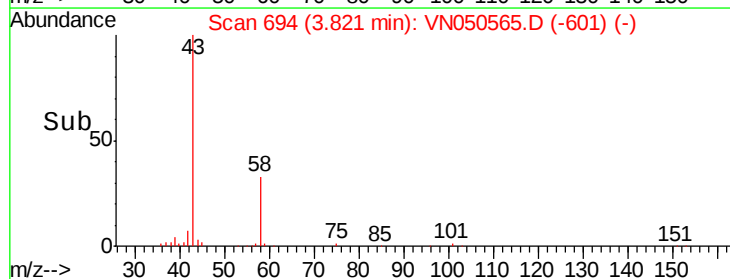
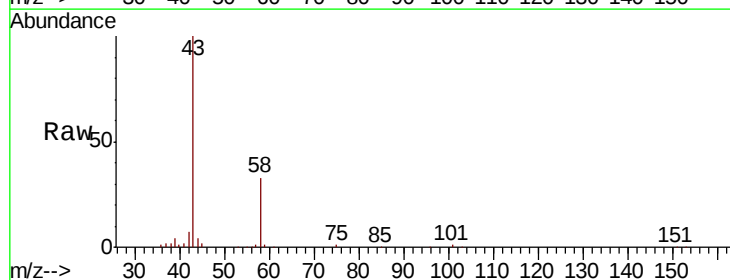
Manual Integrations
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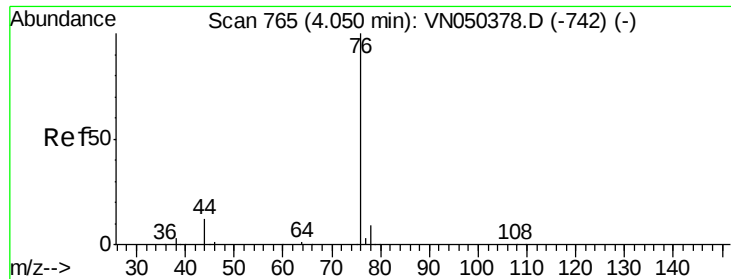
MMDadoda
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#16
 Acetone
 Concen: 94.86 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion	43	Resp	211819
Ion Ratio	Lower	Upper	
43	100		
58	32.9	25.8	38.8





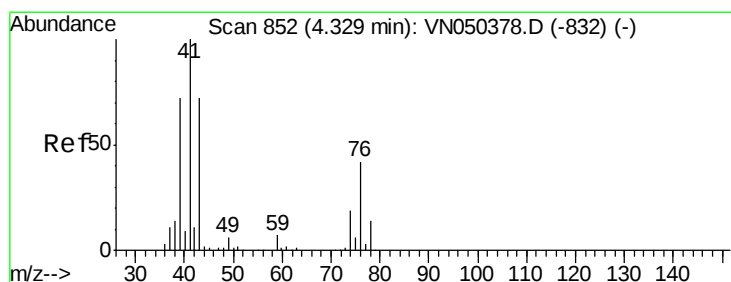
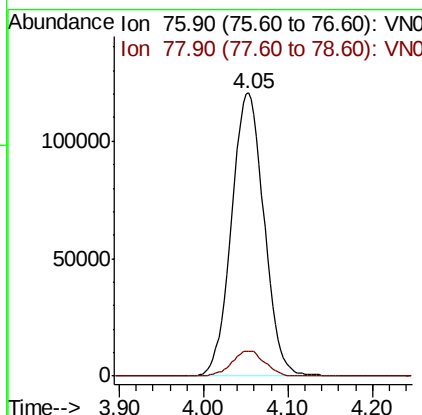
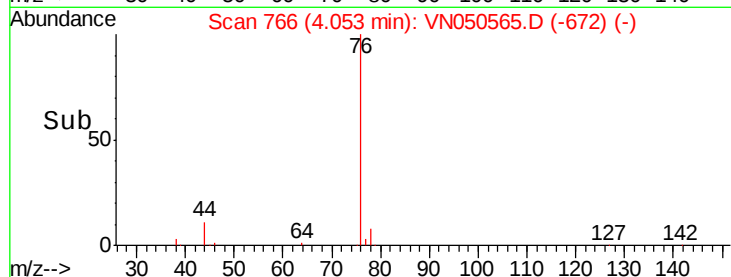
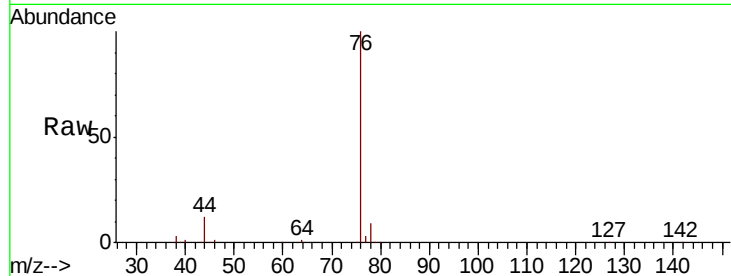
#17
Carbon Disulfide
Concen: 16.47 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

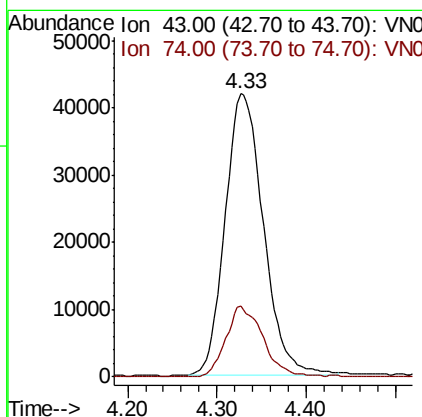
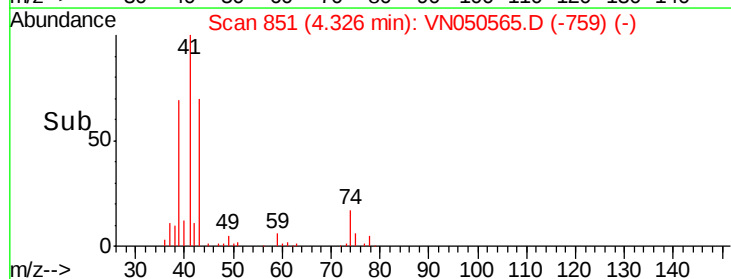
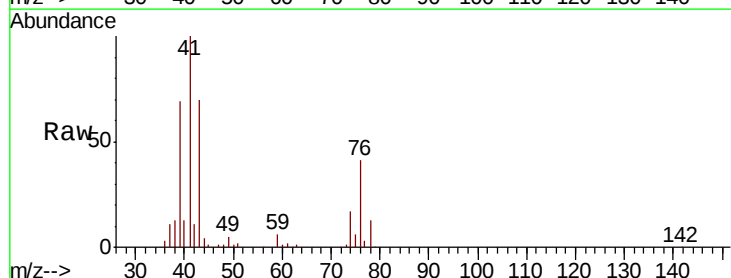
Manual Integrations
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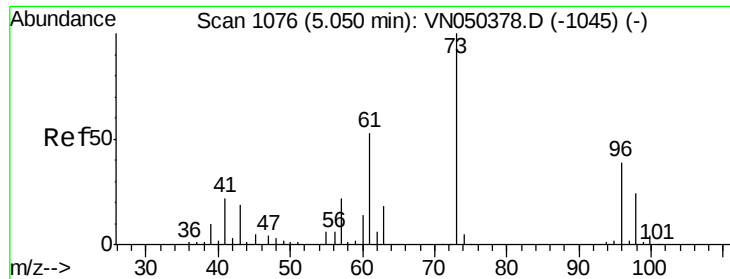
MMDadoda
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#18
Methyl Acetate
Concen: 21.36 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.2	28.8





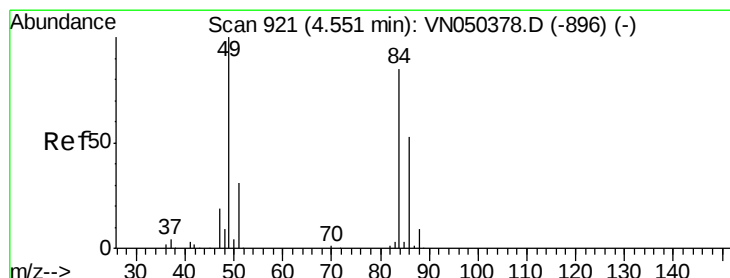
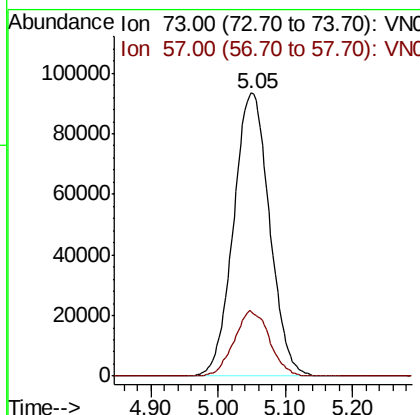
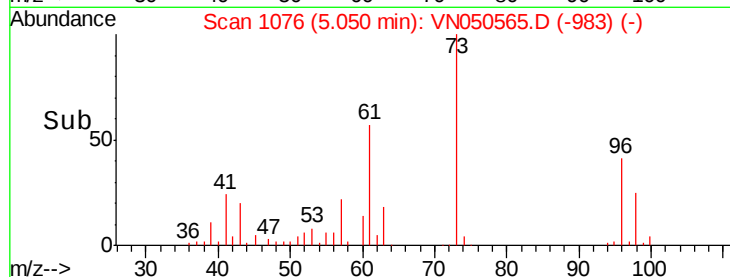
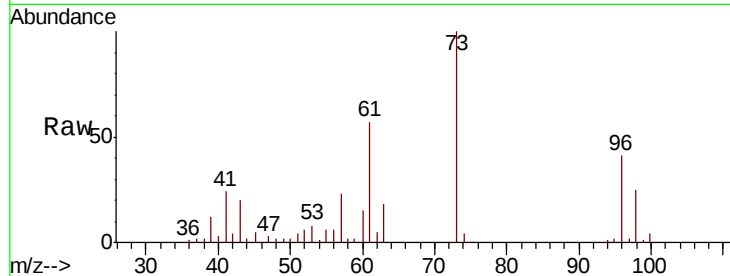
#19
Methvl tert-butvl Ether
Concen: 20.23 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion	73	Resp	347071
Ion Ratio	100	Lower	Upper
57	22.8	18.0	27.0

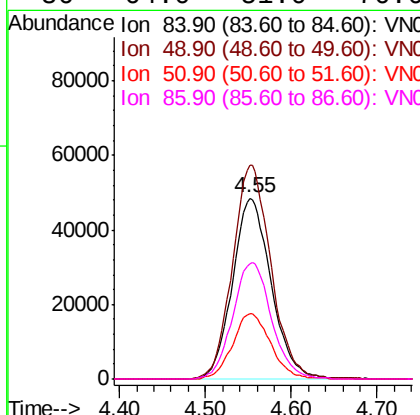
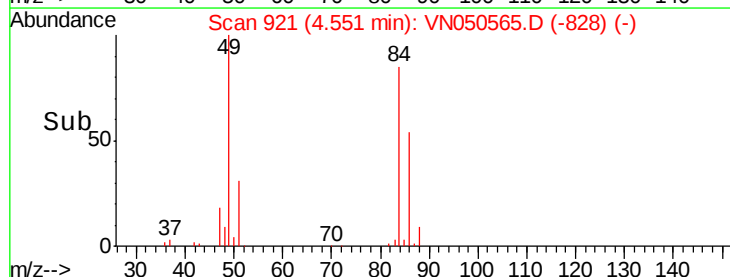
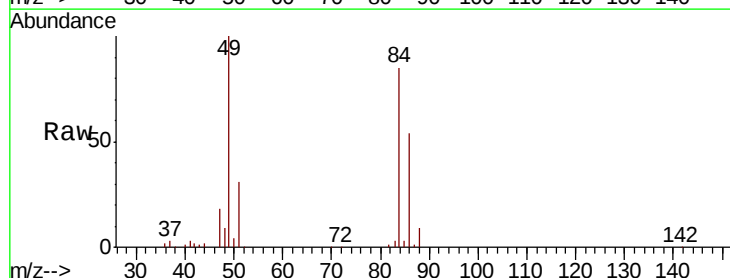
Manual Integrations
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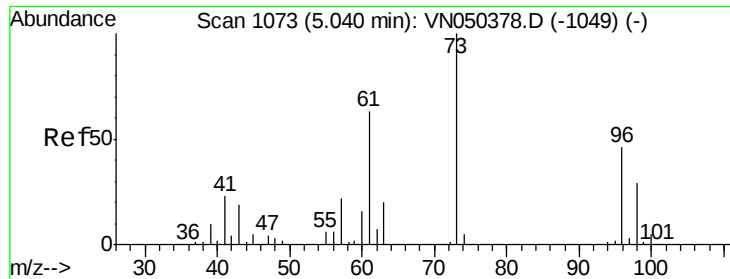
MMDadoda
8/14/2018 12:50:57 PM



#20
Methylene Chloride
Concen: 21.35 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	84	Resp	151518
Ion Ratio	100	Lower	Upper
49	118.3	94.8	142.2
51	36.2	28.3	42.5
86	64.0	51.0	76.6





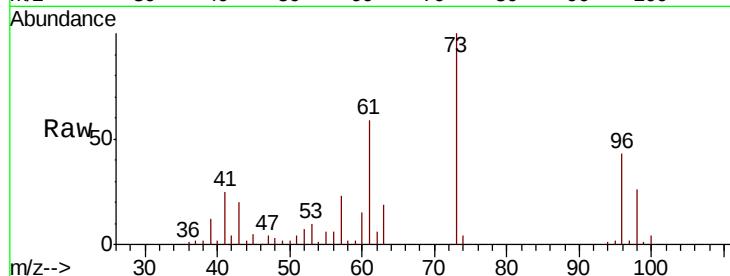
#21
trans-1,2-Dichloroethene
Concen: 19.31 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0813MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.1	110.7	166.1
98	59.0	51.6	77.4

Manual Integrations
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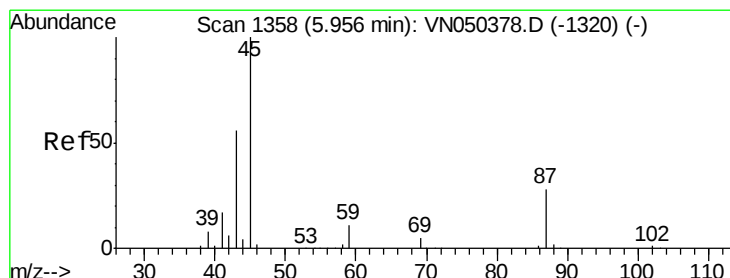
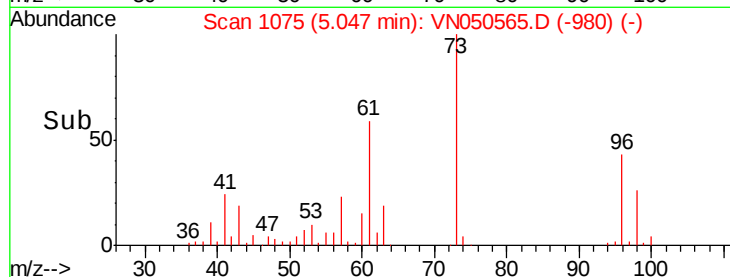
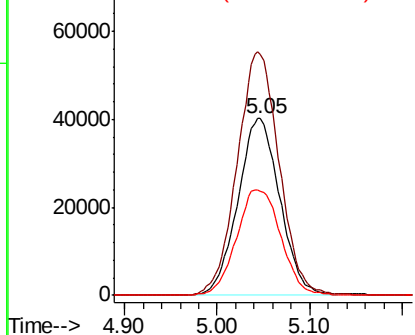


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 22.16 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.7	45.7	68.5
87	28.4	22.7	34.1
59	11.8	9.5	14.3

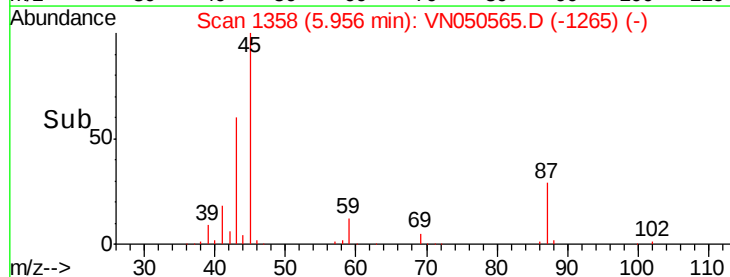
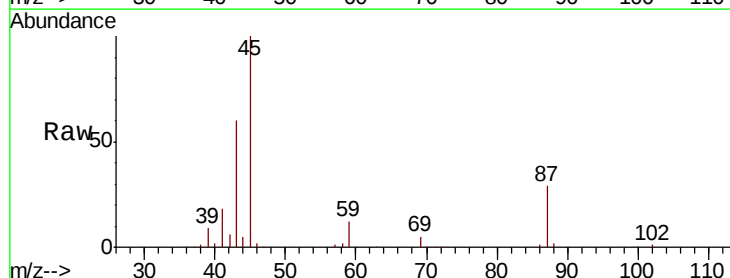
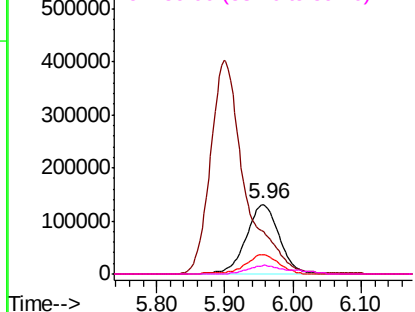
Abundance

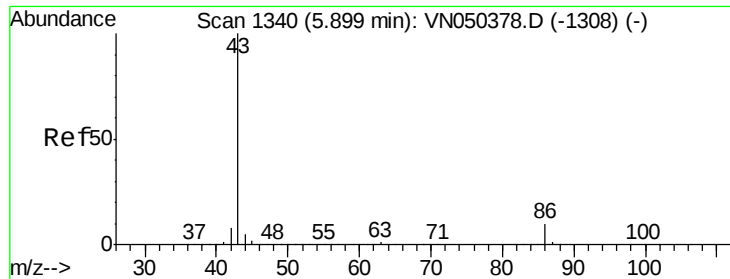
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





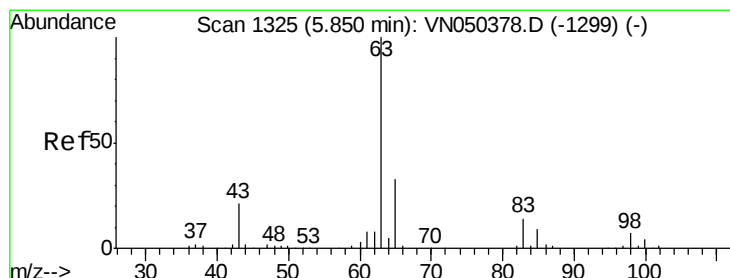
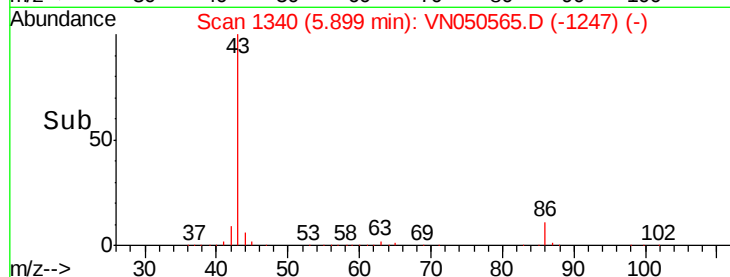
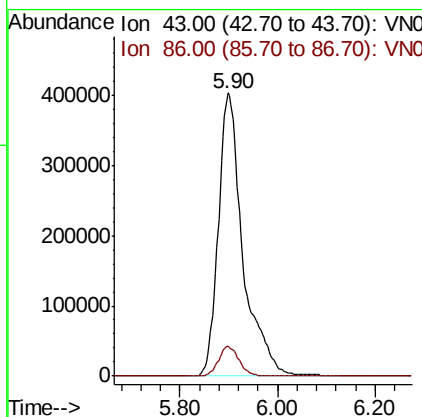
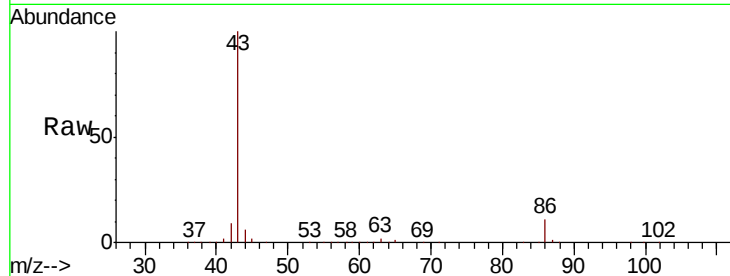
#23
 Vinyl Acetate
 Concen: 99.50 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBSD01

Tot Ion: 43 Resp: 1407637
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.6 13.0

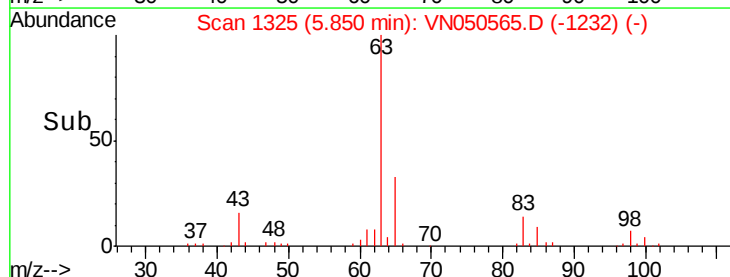
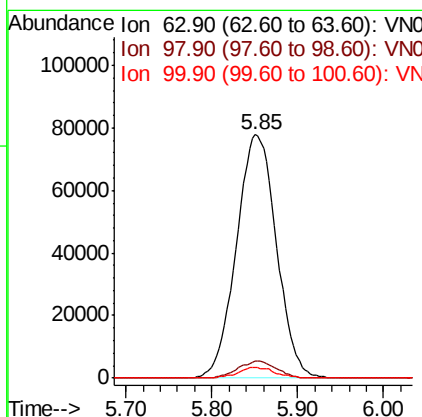
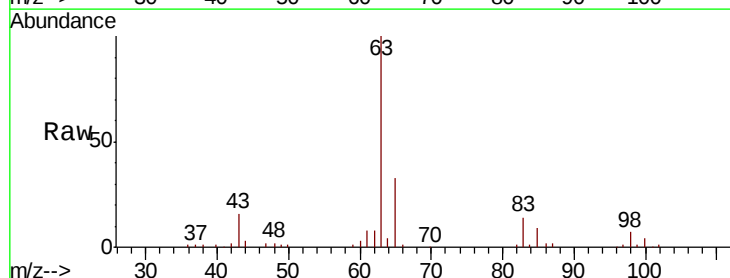
Manual Integrations
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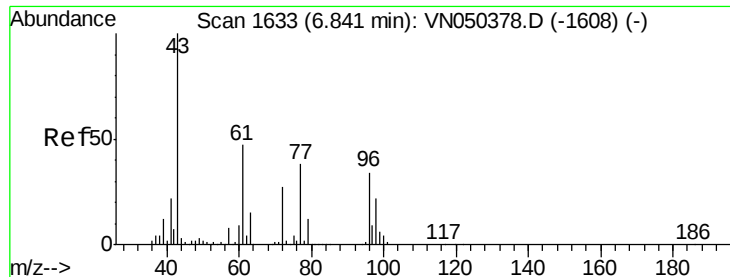
MMDadoda
 8/14/2018 12:50:57 PM



#24
 1,1-Dichloroethane
 Concen: 20.73 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion: 63 Resp: 252187
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.3 2.1 6.3





#25

2-Butanone

Concen: 88.09 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

Tot Ion: 43 Resp: 326076

Ion Ratio Lower Upper

43 100

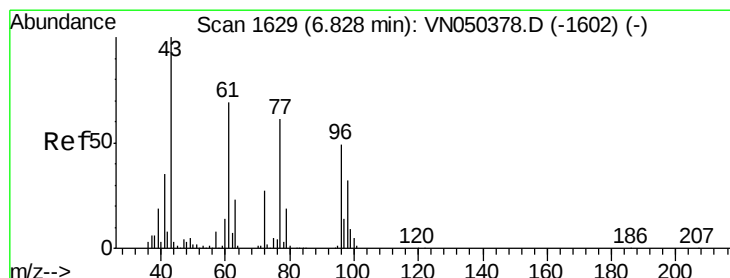
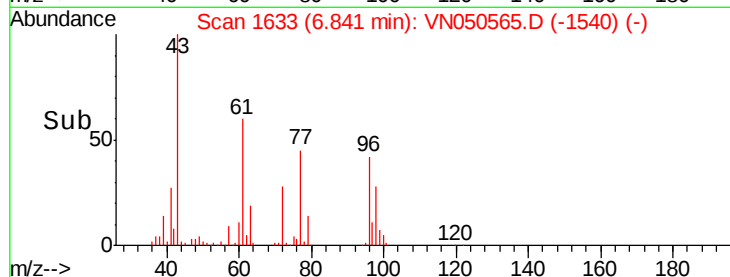
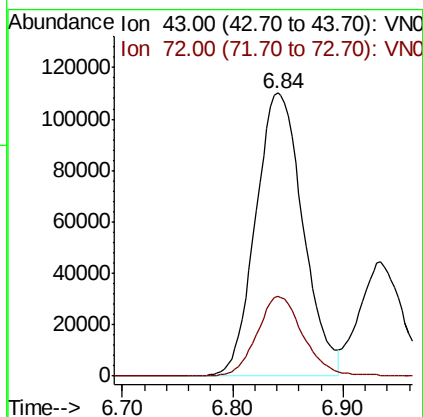
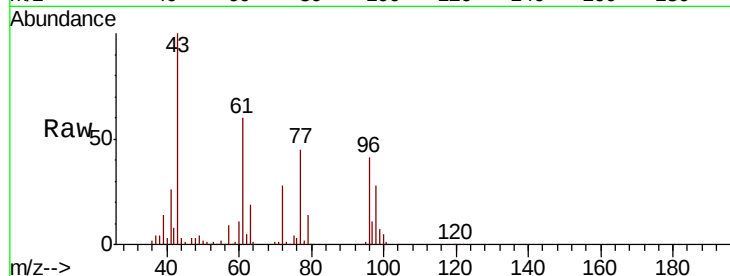
72 28.3 21.5 32.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.75 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050565.D

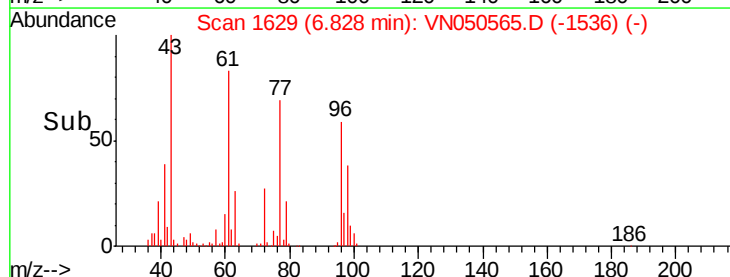
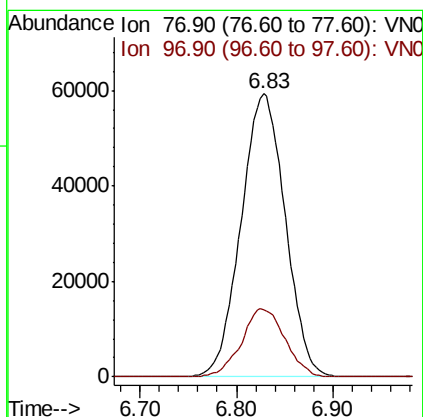
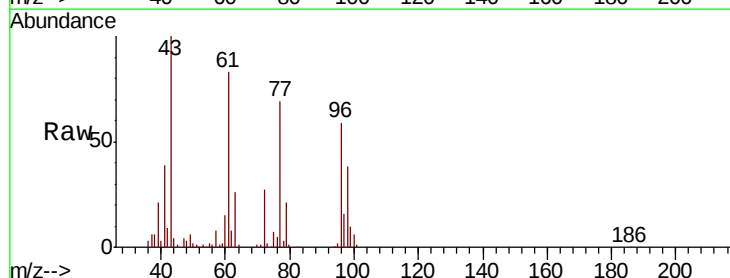
Acq: 13 Aug 2018 13:54

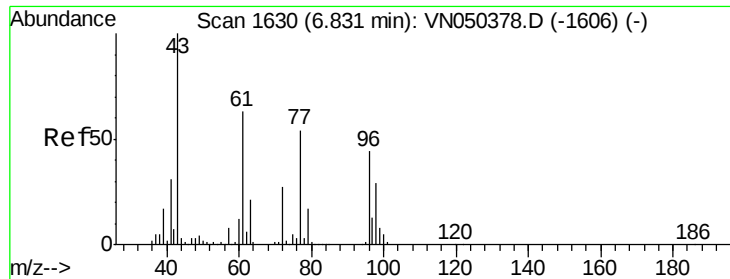
Tgt Ion: 77 Resp: 188060

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.72 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

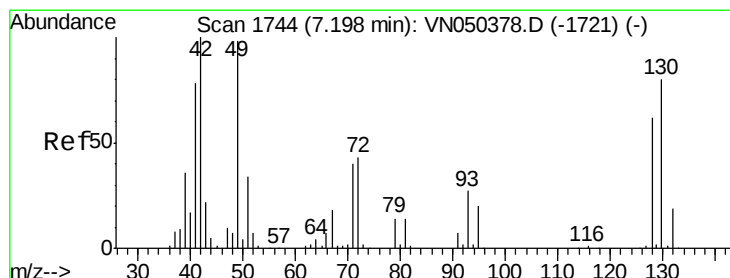
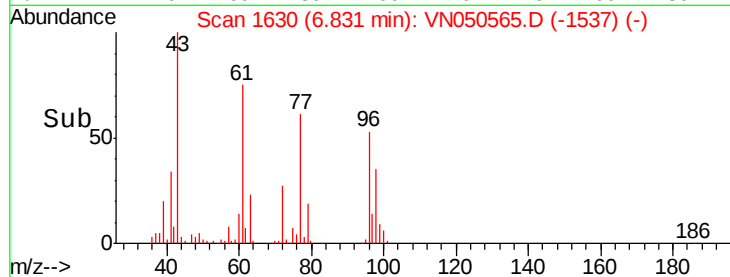
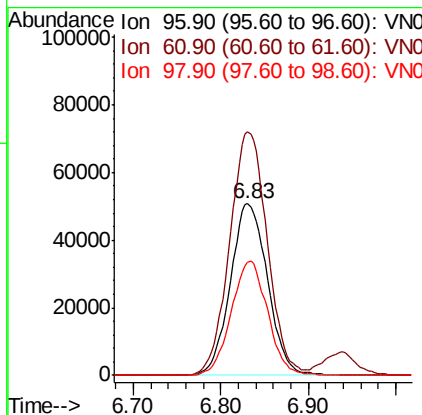
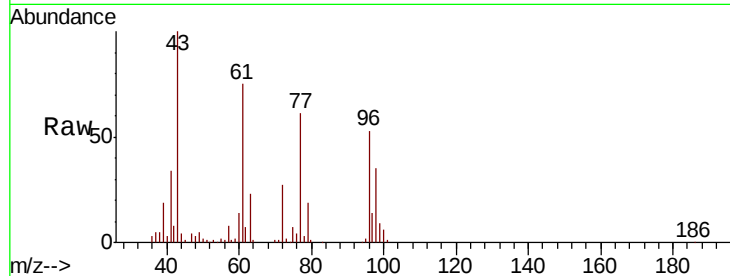
ClientSampleId :

VN0813MBSD01

Tot Ion:	96	Resp:	150191
Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	285.0
98	65.1	0.0	129.2

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#28

Bromochloromethane

Concen: 21.04 ug/l

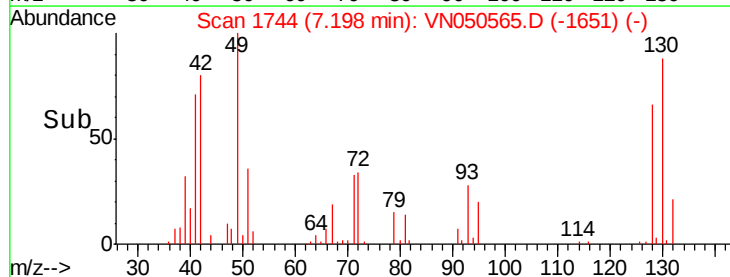
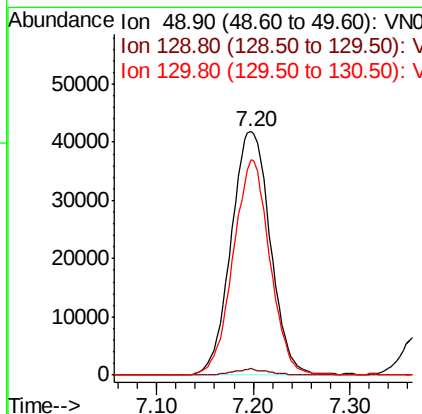
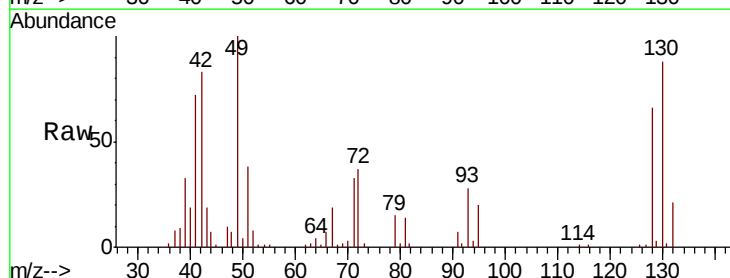
RT: 7.20 min Scan# 1744

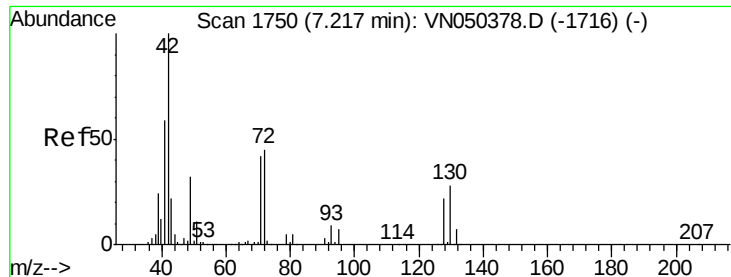
Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Tgt Ion:	49	Resp:	117861
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	82.9	66.3	99.5





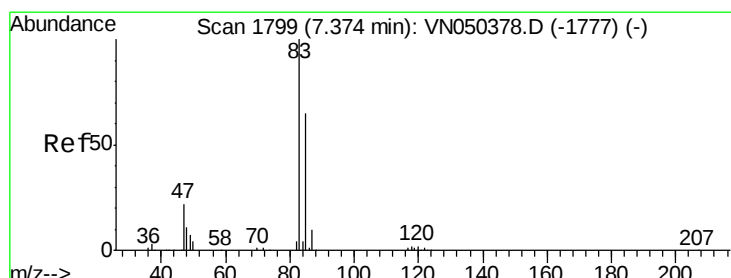
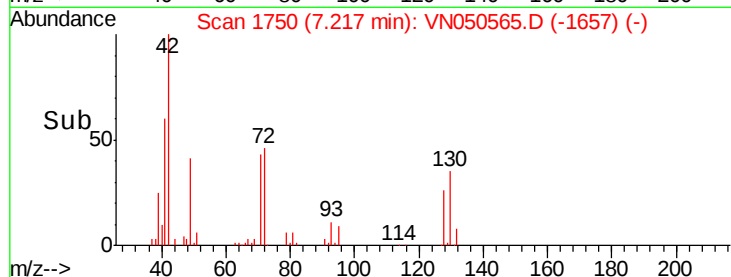
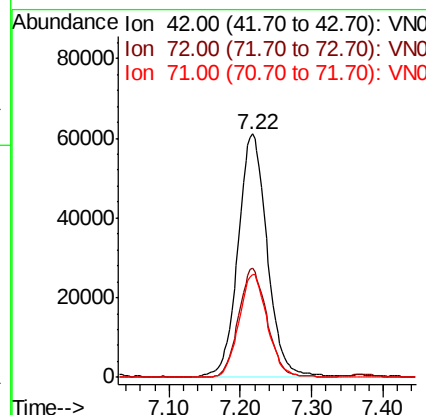
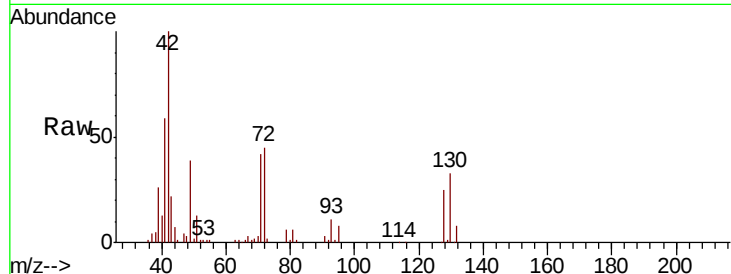
#29
Tetrahydrofuran
Concen: 87.31 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.9	53.9
71	41.4	33.7	50.5

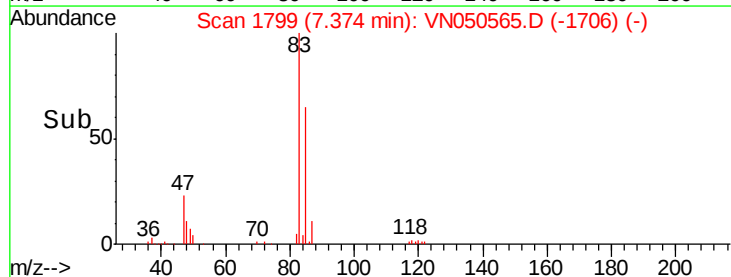
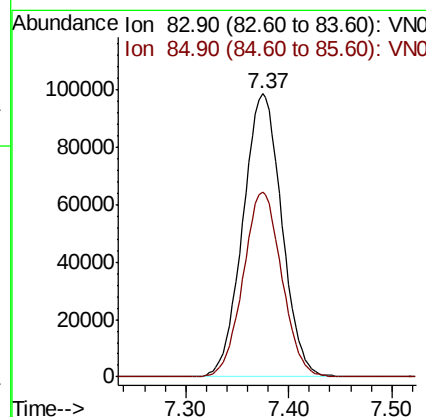
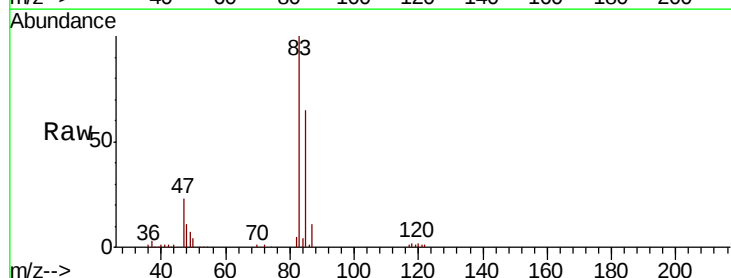
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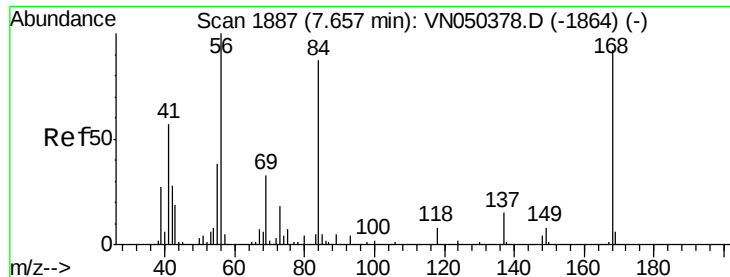
MMDadoda
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#30
Chloroform
Concen: 21.26 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.5	78.7





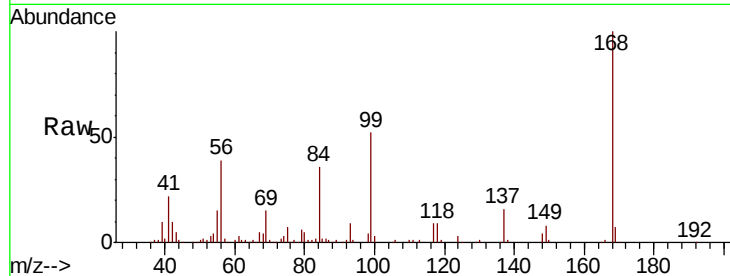
#31
Cyclohexane
Concen: 17.80 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

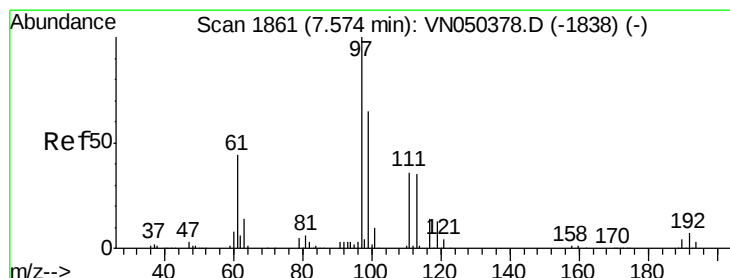
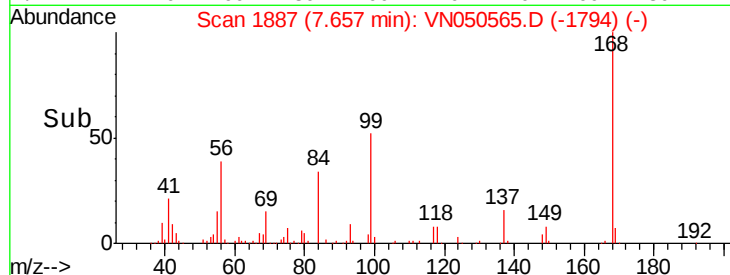
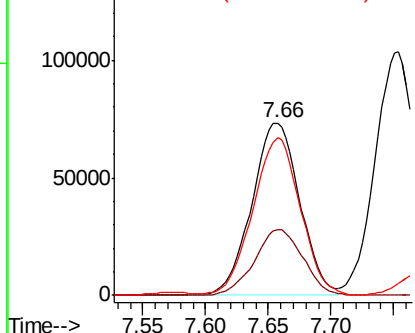
Tot Ion	Ratio	Lower	Upper
56	100		
69	38.3	26.2	39.4
84	90.1	67.4	101.0

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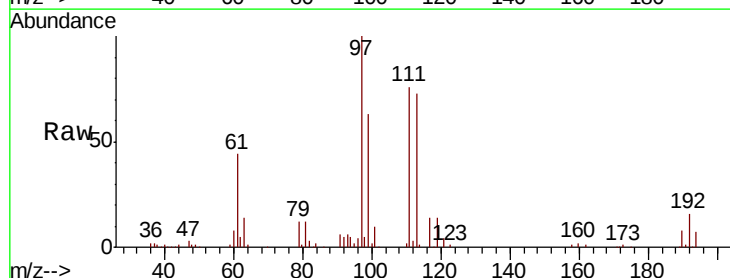


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

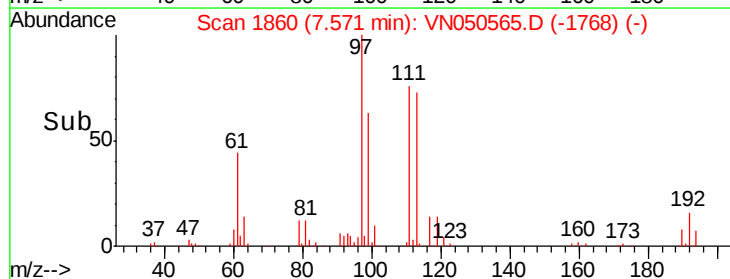
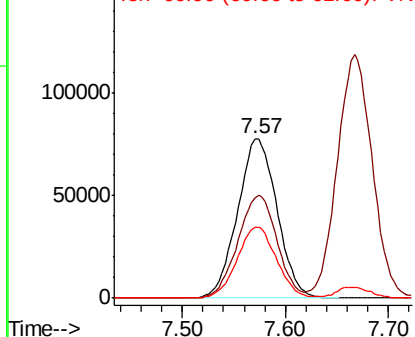


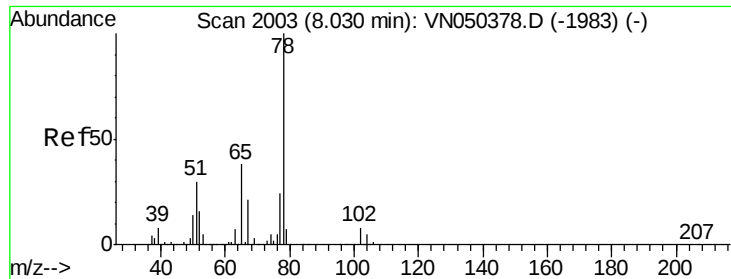
#32
1,1,1-Trichloroethane
Concen: 19.81 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	44.3	35.4	53.0



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





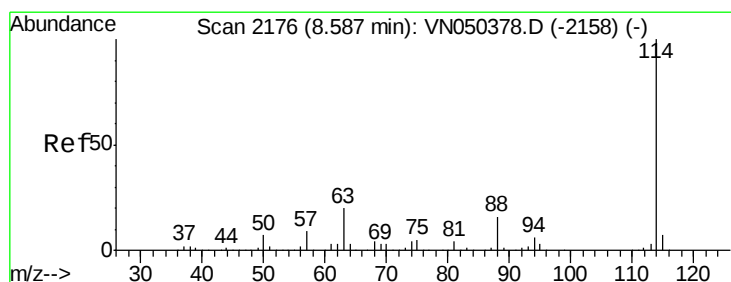
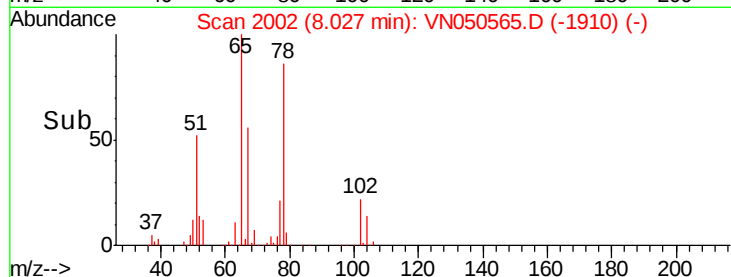
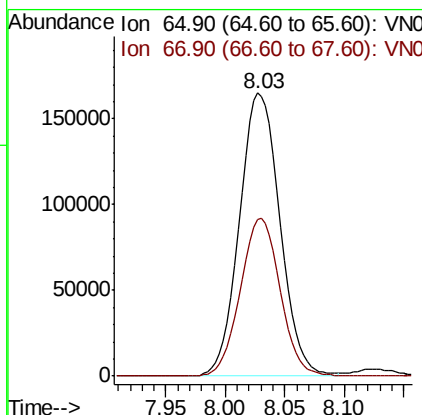
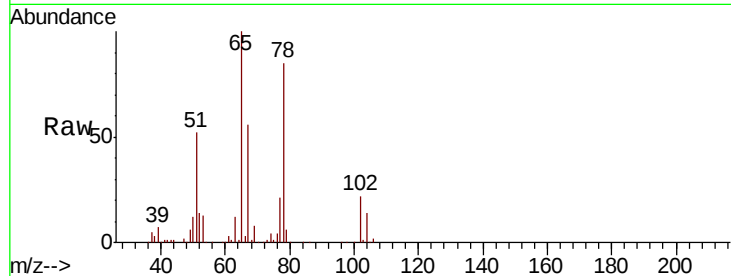
#33
 1,2-Dichloroethane-d4
 Concen: 52.18 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.9	0.0	108.4	

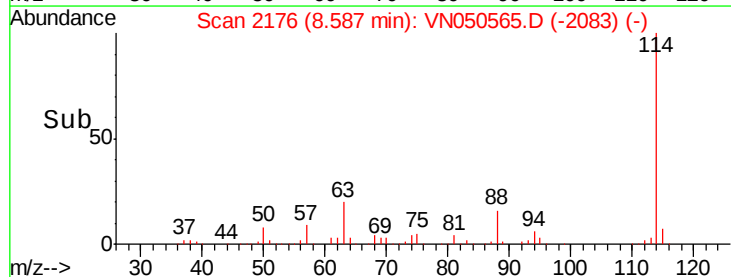
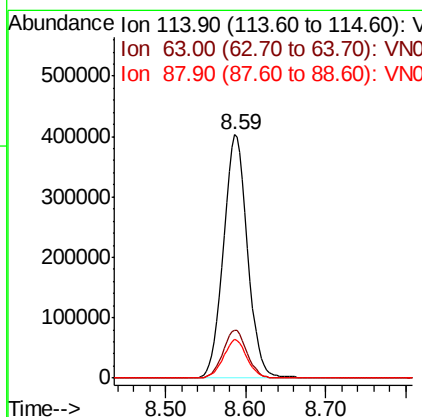
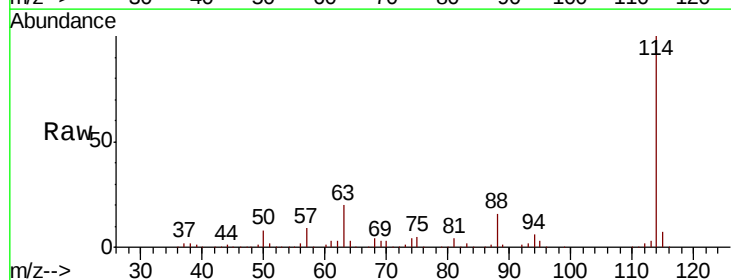
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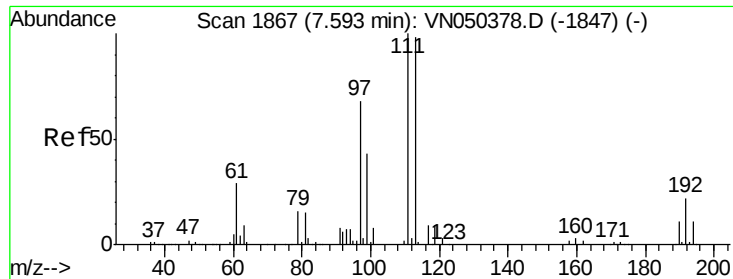
MMDadoda
 8/14/2018 12:50:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	40.0	
88	15.8	0.0	31.2	





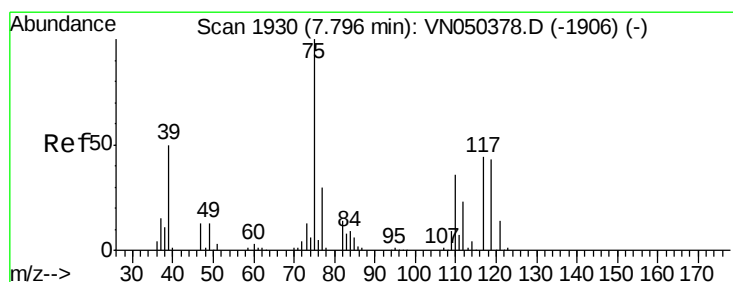
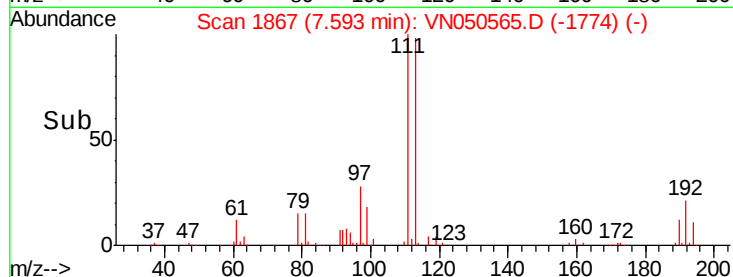
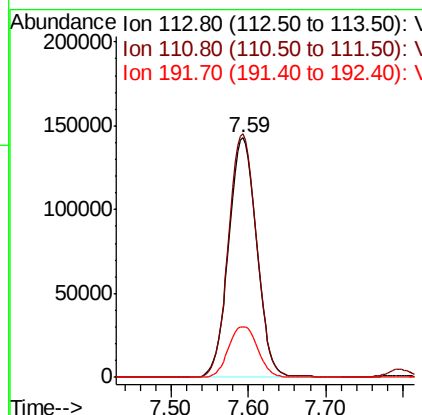
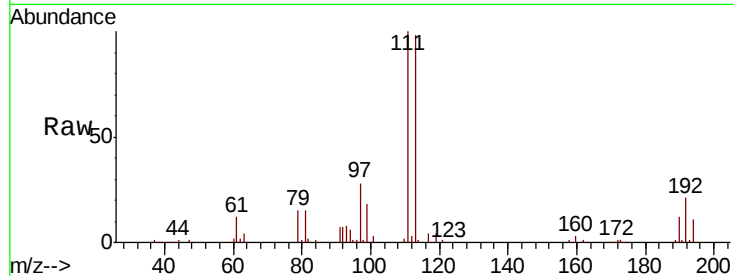
#35
 Dibromofluoromethane
 Concen: 53.43 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	80.7	121.1	
192	22.1	17.8	26.6	

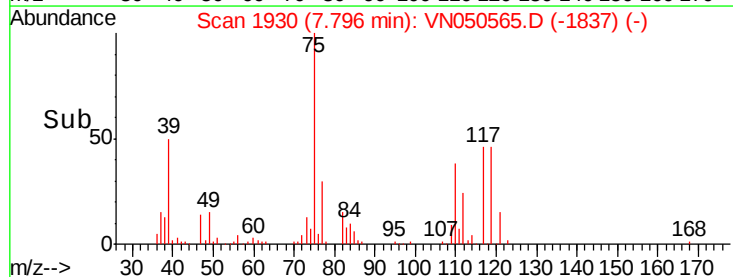
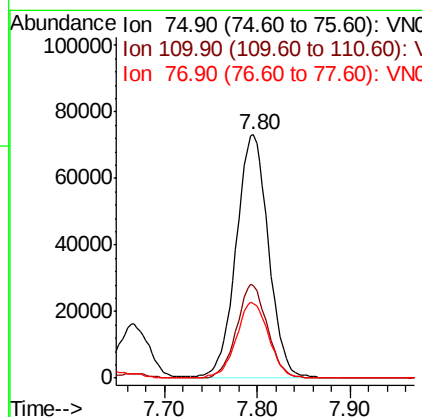
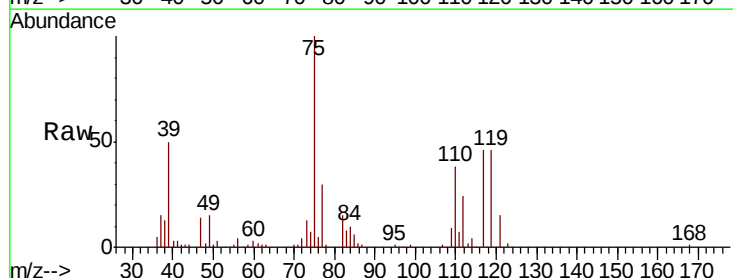
Manual Integrations
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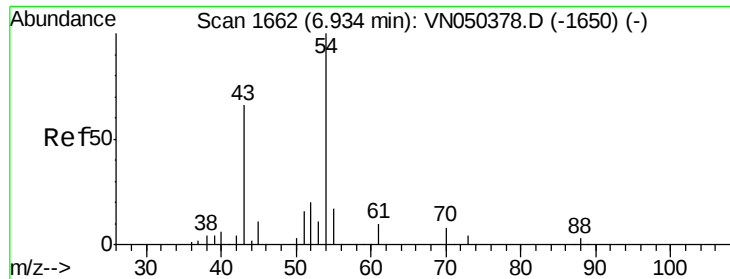
MMDadoda
 8/14/2018 12:50:57 PM



#36
 1,1-Dichloropropene
 Concen: 19.15 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.8	18.4	55.2	
77	31.4	25.3	37.9	





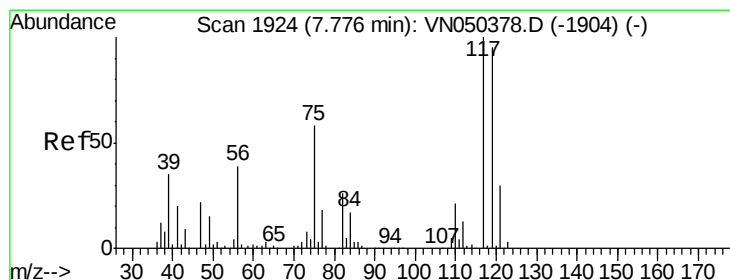
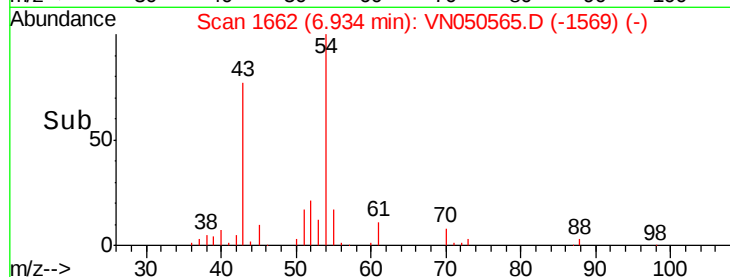
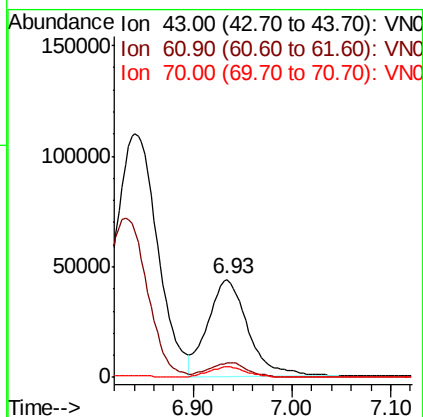
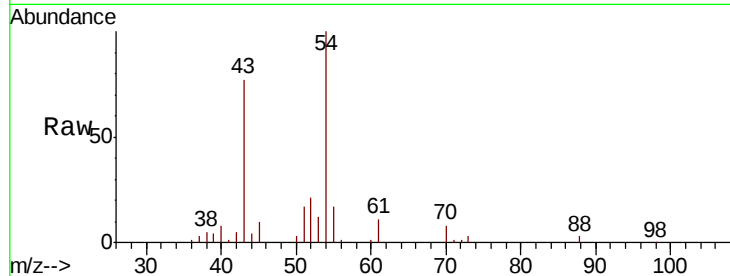
#37
Ethyl Acetate
Concen: 18.80 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.8	17.8
70	10.5	8.4	12.6

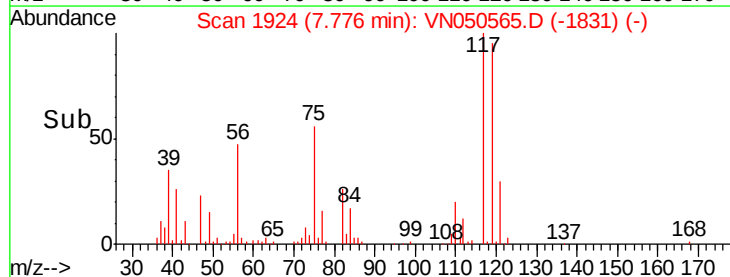
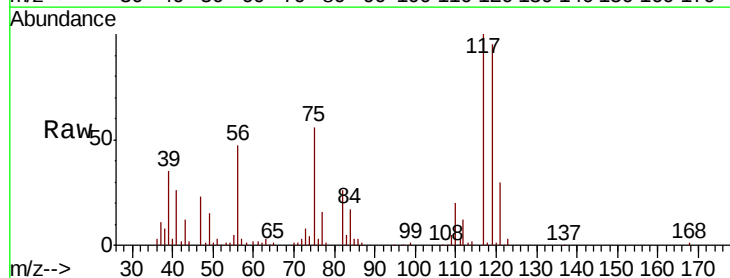
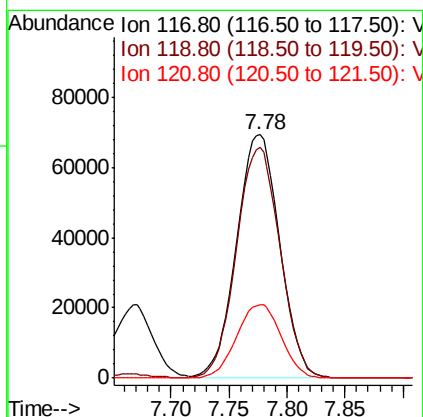
Manual Integrations
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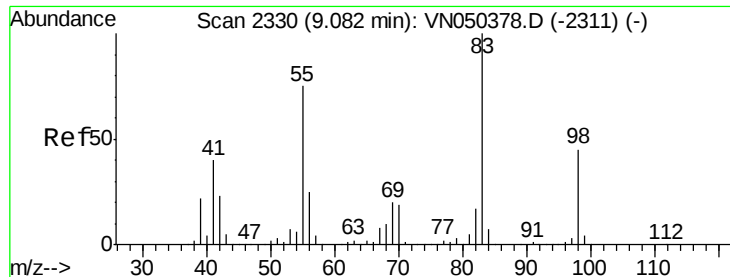
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#38
Carbon Tetrachloride
Concen: 18.71 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.4	116.0
121	30.3	23.9	35.9





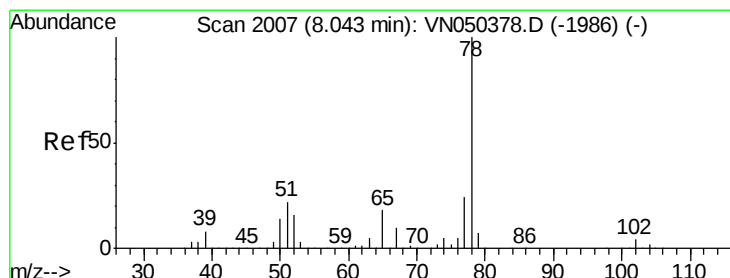
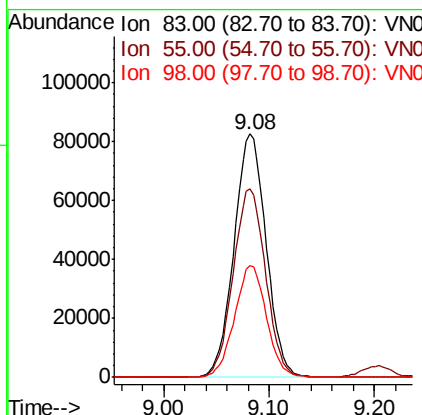
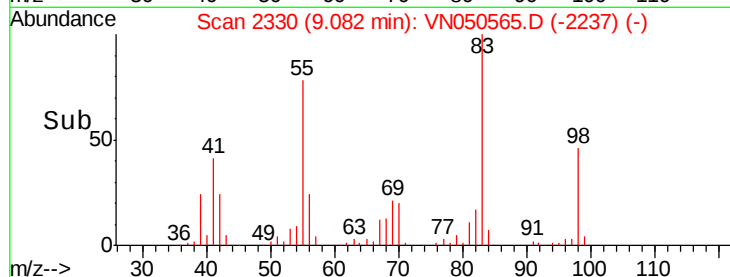
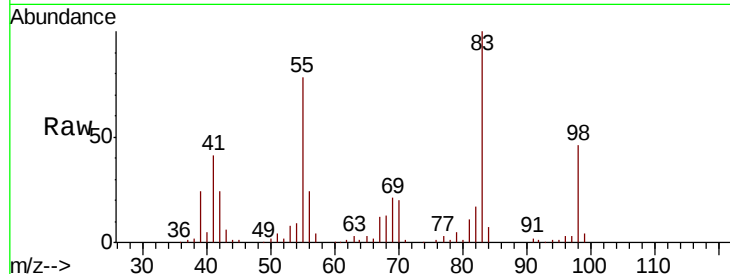
#39
Methvlcvclohexane
Concen: 17.45 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.8	92.8
98	46.0	36.5	54.7

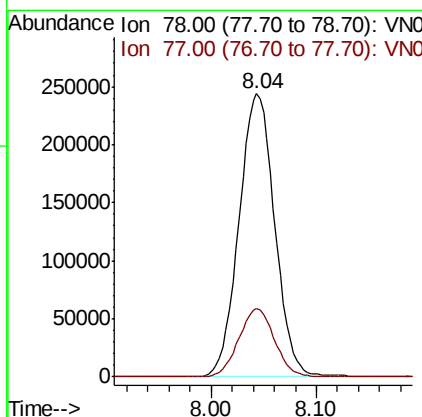
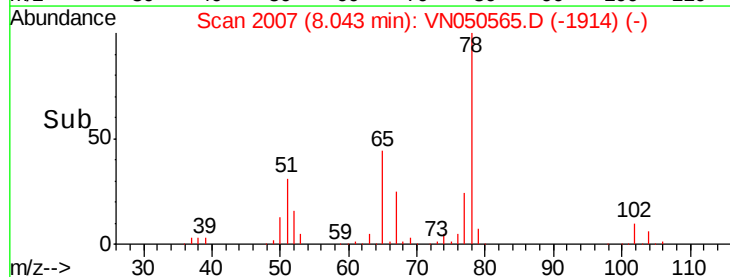
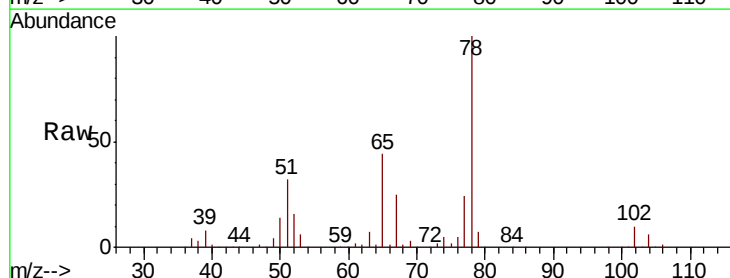
Manual Integrations
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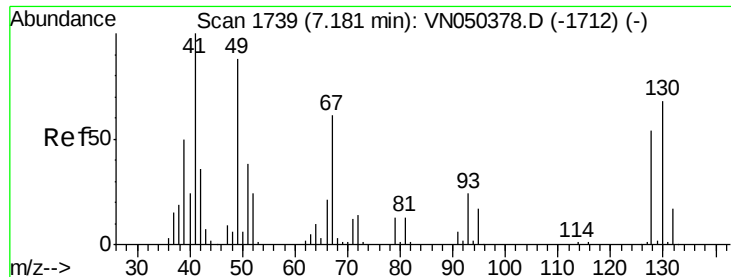
MMDadoda
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#40
Benzene
Concen: 20.34 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.7	28.1





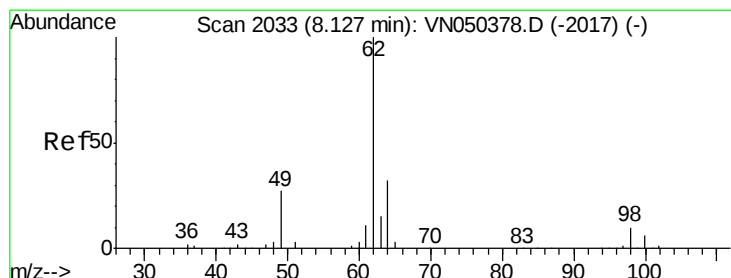
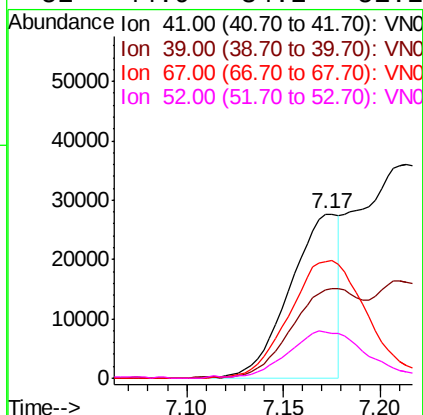
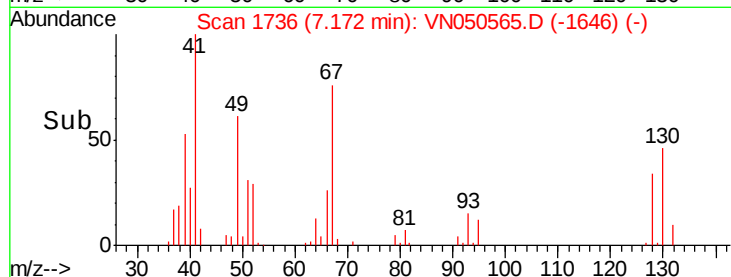
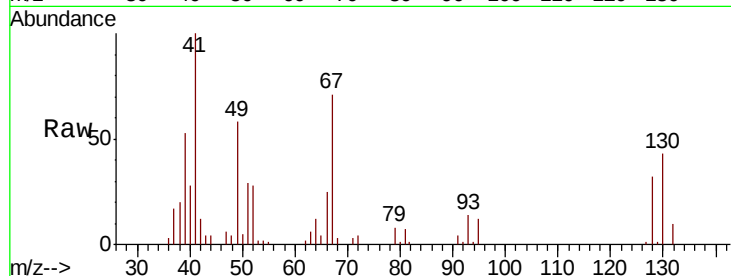
#41
Methacrylonitrile
Concen: 13.81 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion	41	Resp	48526
Ion	Ratio	Lower	Upper
41	100		
39	75.6	55.8	83.6
67	115.3	84.3	126.5
52	44.9	34.2	51.2

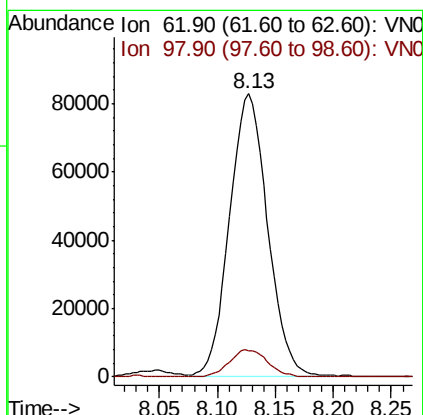
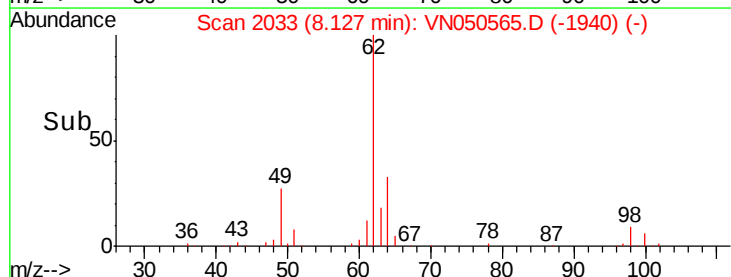
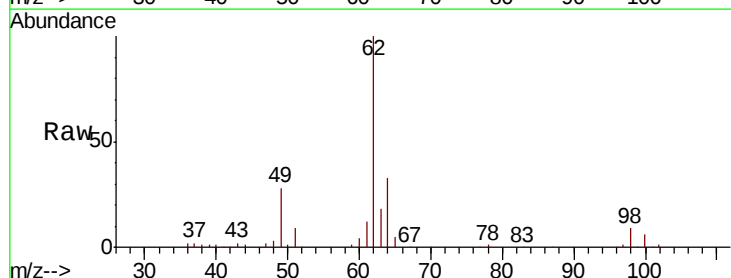
Manual Integrations
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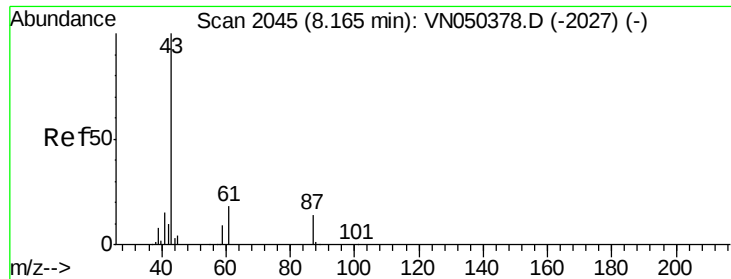
MMDadoda
8/14/2018 12:50:57 PM



#42
1,2-Dichloroethane
Concen: 21.01 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	62	Resp	188226
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.8





#43

Isopropyl Acetate

Concen: 18.49 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

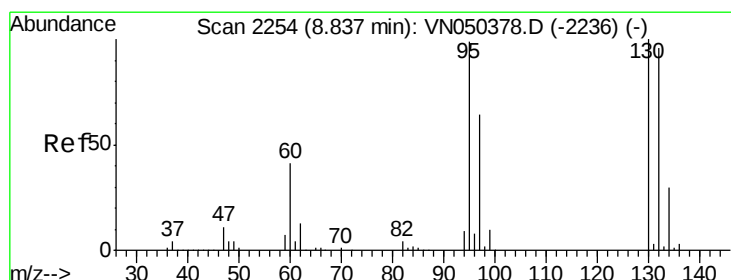
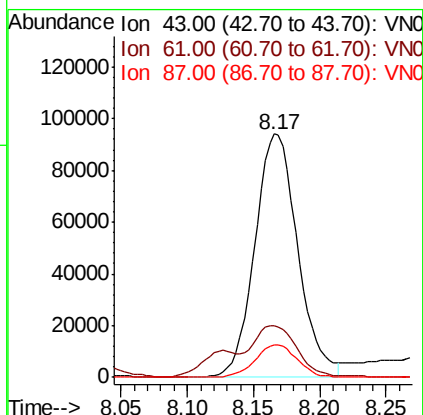
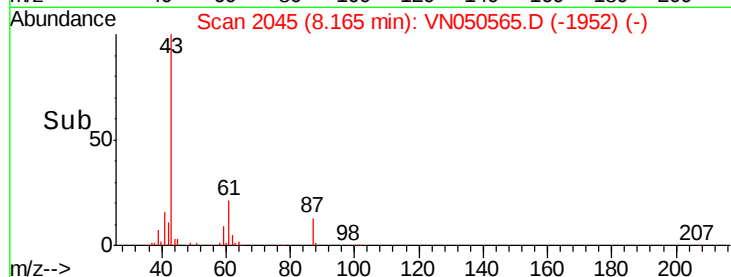
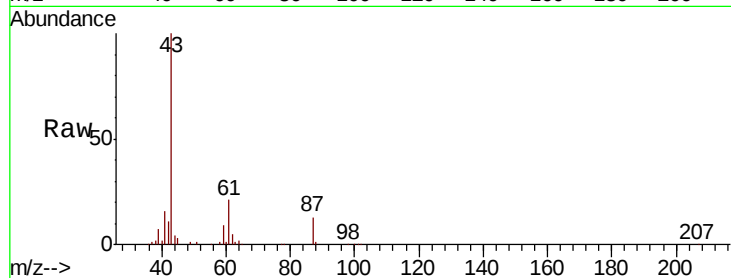
ClientSampleId :

VN0813MBSD01

Tot Ion:	43	Resp:	211007
Ion	Ratio	Lower	Upper
43	100		
61	21.2	15.8	23.6
87	13.2	10.3	15.5

Manual Integrations
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8/14/2018 12:50:57 PM



#44

Trichloroethene

Concen: 19.08 ug/l

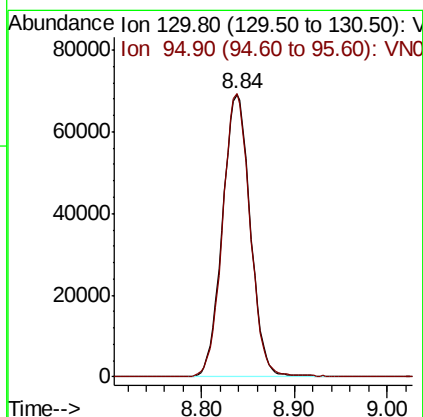
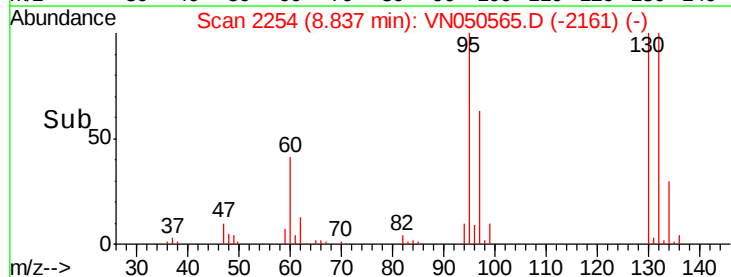
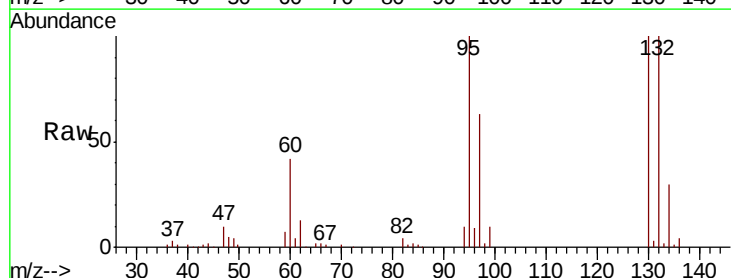
RT: 8.84 min Scan# 2254

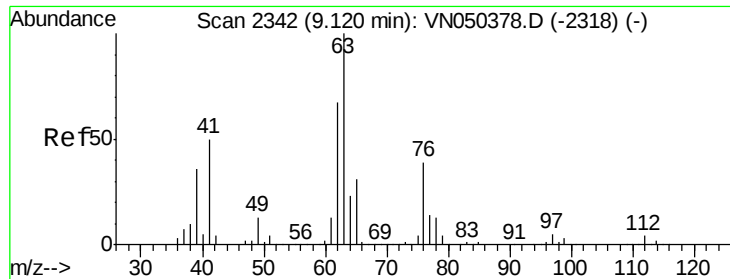
Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Tgt Ion:	130	Resp:	144684
Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	194.6





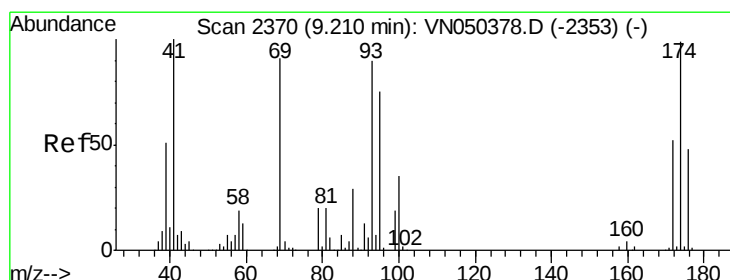
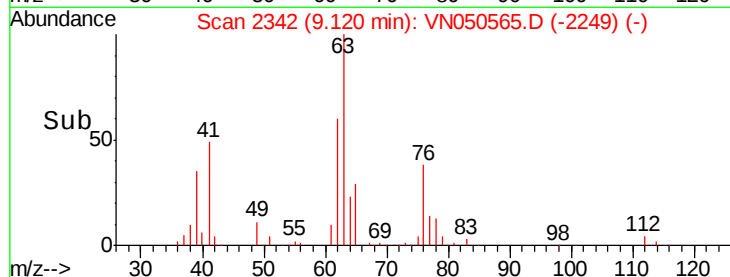
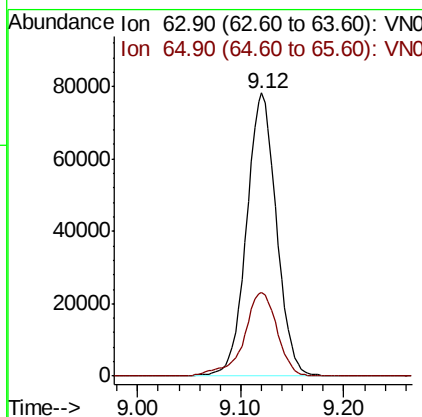
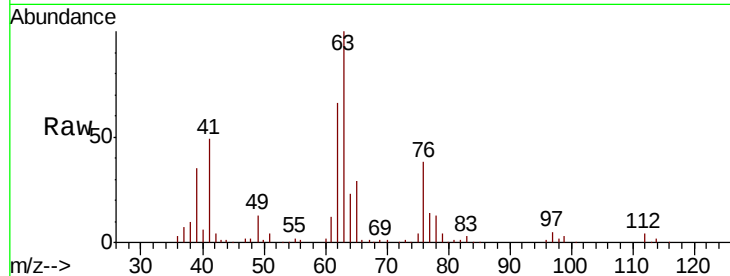
#45
 1,2-Dichloropropane
 Concen: 21.19 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0813MBSD01

Tot Ion: 63 Resp: 157190
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.5 38.3

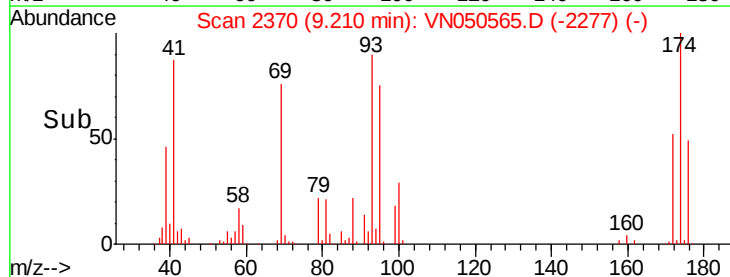
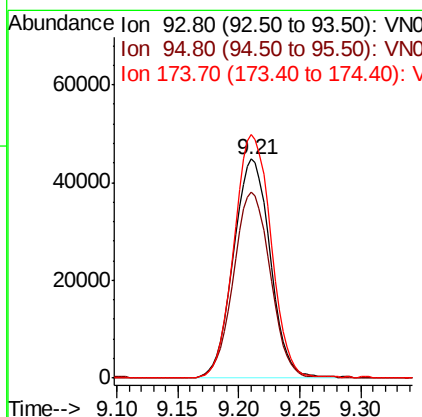
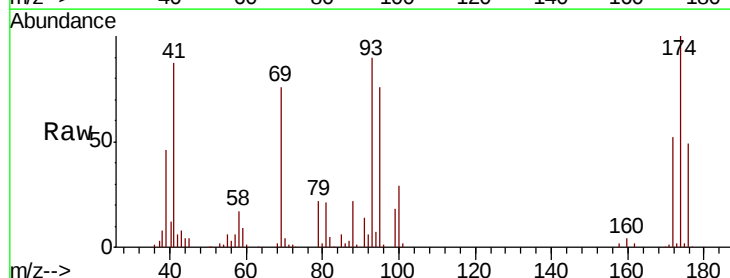
Manual Integrations
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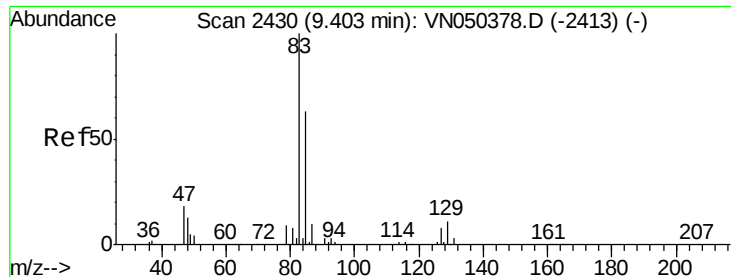
MMDadoda
 8/14/2018 12:50:57 PM



#46
 Dibromomethane
 Concen: 20.46 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion: 93 Resp: 93727
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.6 100.0
 174 111.5 87.1 130.7





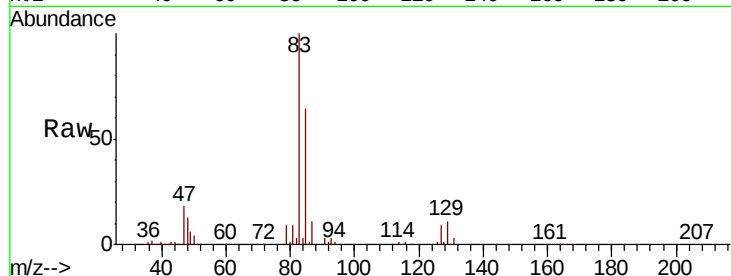
#47
Bromodichloromethane
Concen: 20.88 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

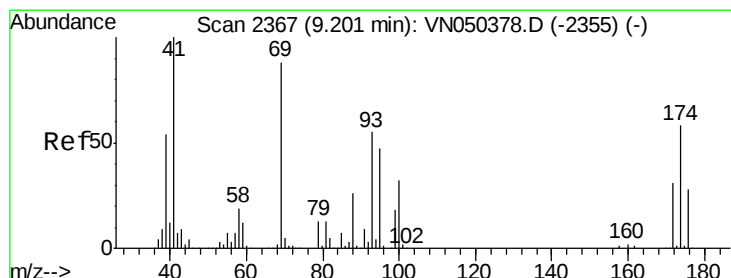
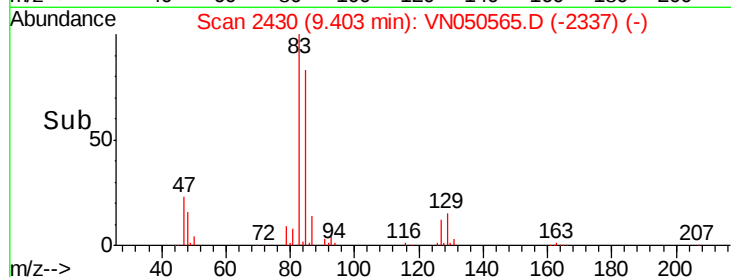
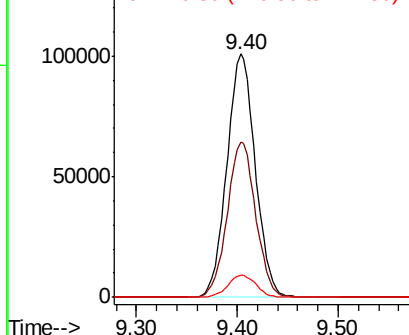
Tot Ion	Ratio	Resp	Lower	Upper
83	100	198128		
85	63.6	51.1	76.7	
127	9.1	7.0	10.4	

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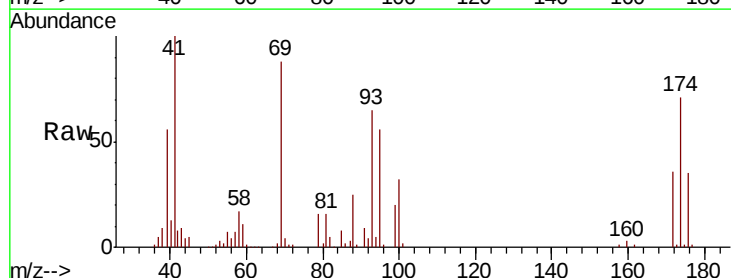


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

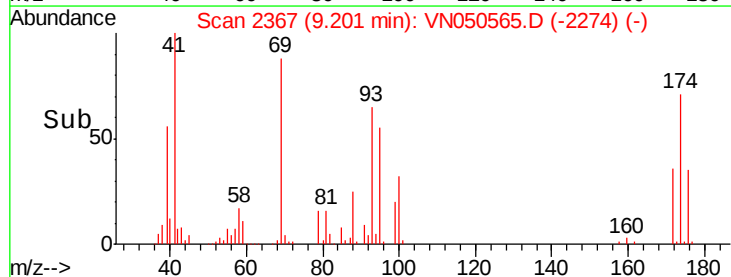
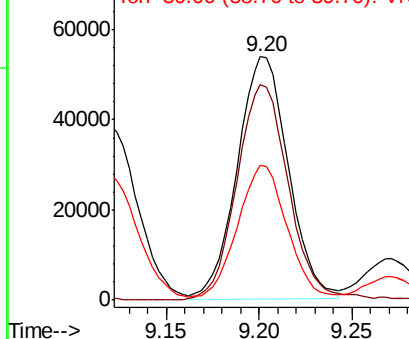


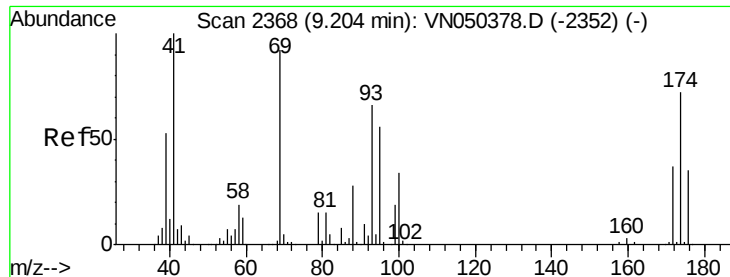
#48
Methyl methacrylate
Concen: 18.00 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	102921		
69	90.5	70.6	105.8	
39	54.1	43.9	65.9	



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 317.68 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

Tot Ion: 88 Resp: 28007

Ion Ratio Lower Upper

88 100

43 29.4 26.9 40.3

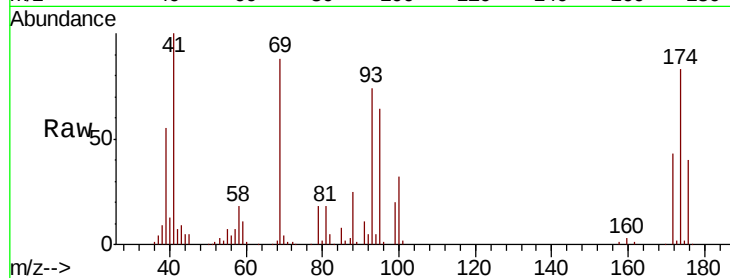
58 71.7 57.3 85.9

Manual Integrations

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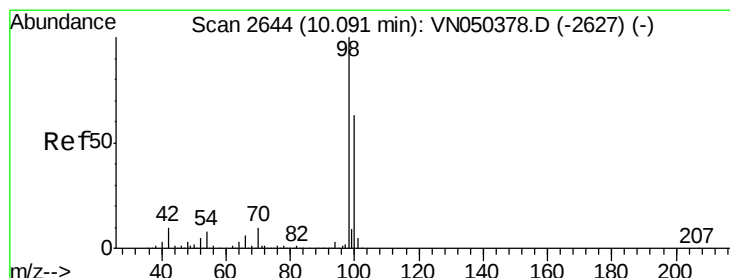
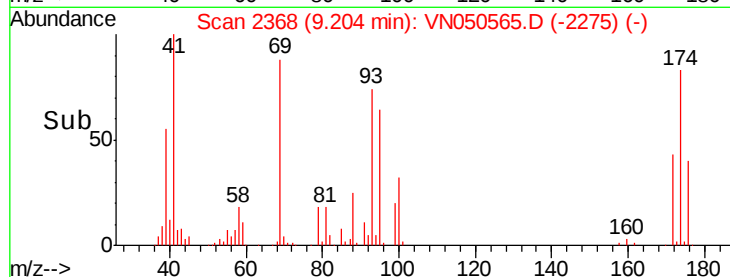
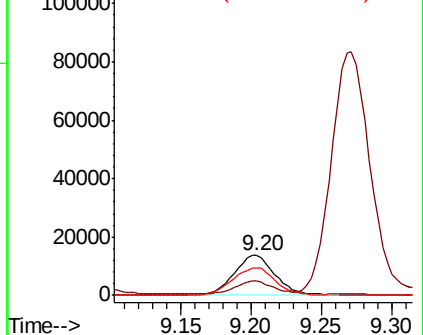
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Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.94 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050565.D

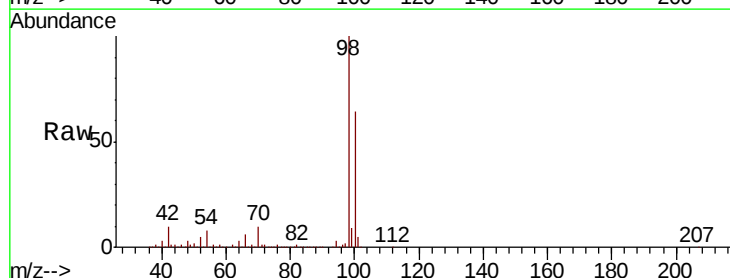
Acq: 13 Aug 2018 13:54

Tgt Ion: 98 Resp: 1283771

Ion Ratio Lower Upper

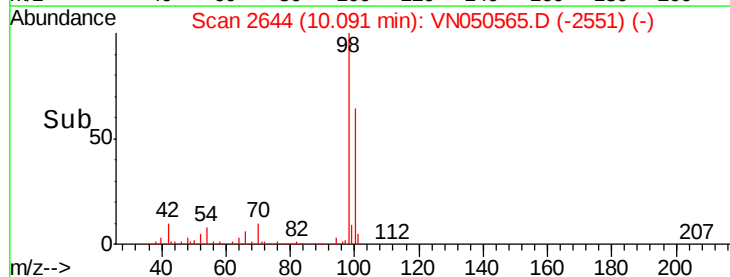
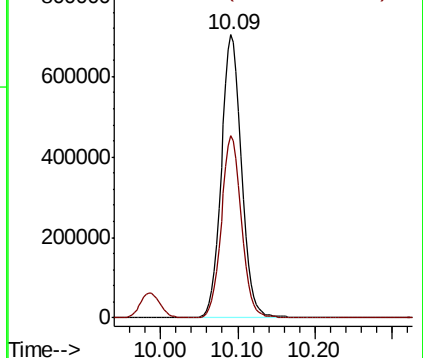
98 100

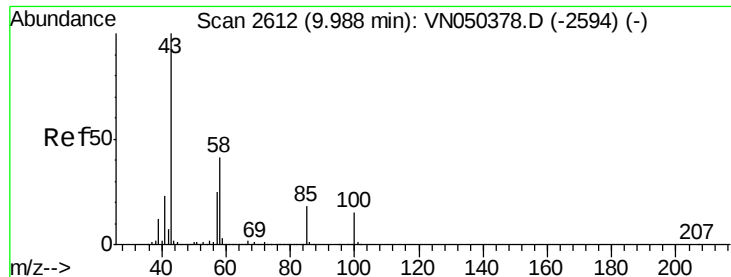
100 64.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





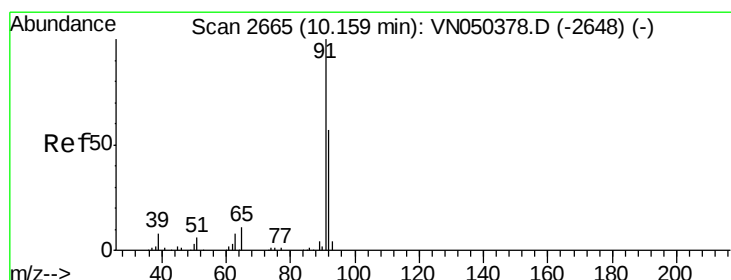
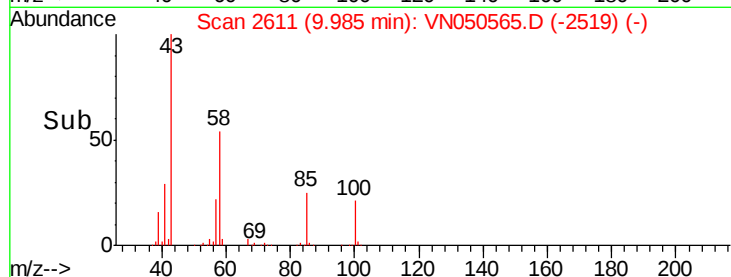
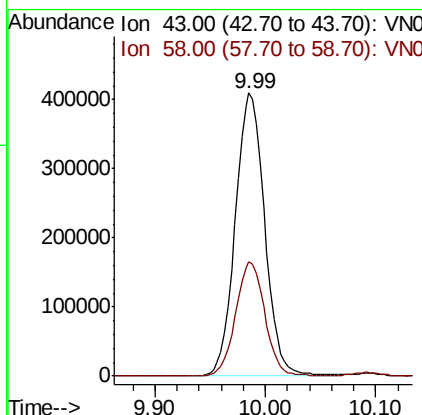
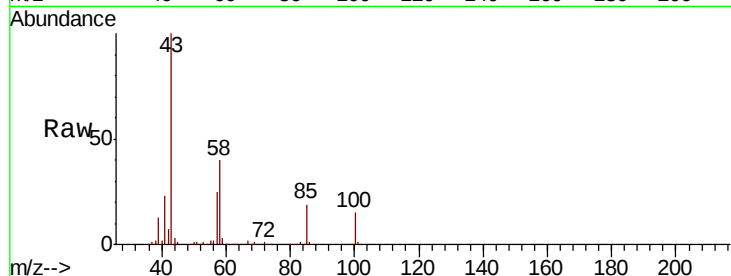
#51
4-Methyl-2-Pentanone
Concen: 91.72 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.9	47.9

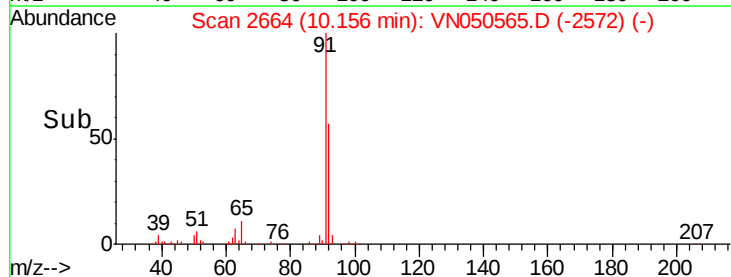
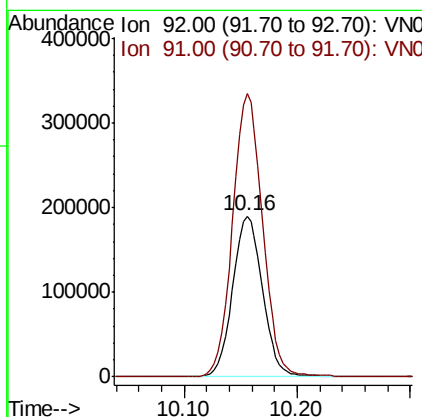
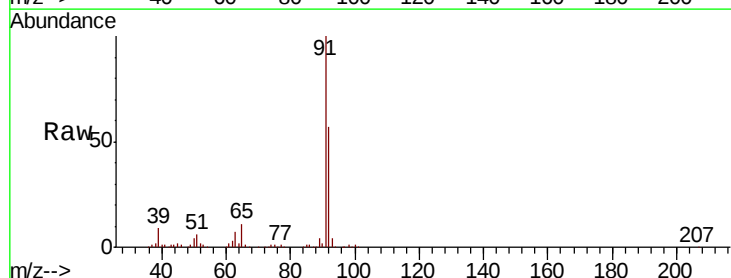
Manual Integrations
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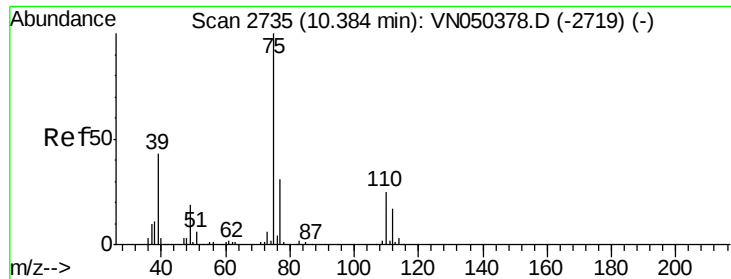
MMDadoda
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#52
Toluene
Concen: 20.65 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.7	140.3	210.5





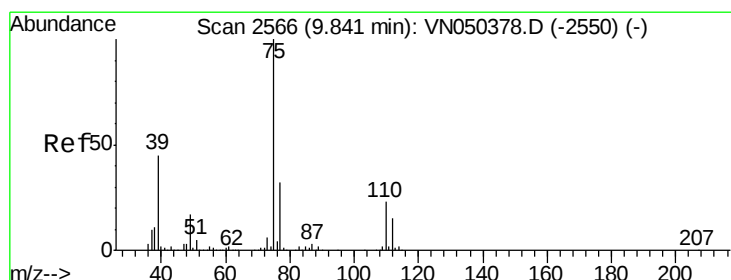
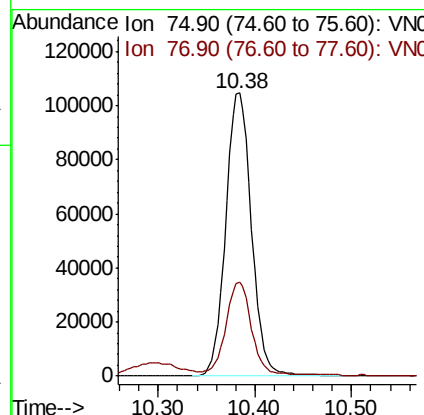
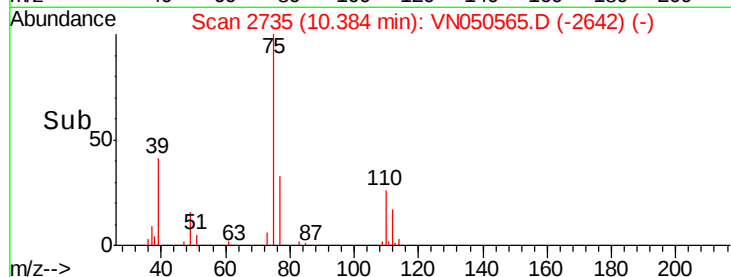
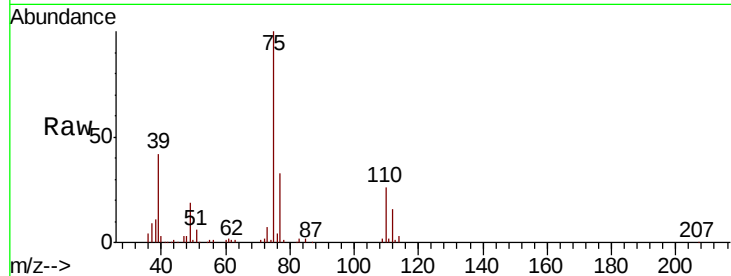
#53
t-1,3-Dichloropropene
Concen: 20.31 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.0	24.9	37.3

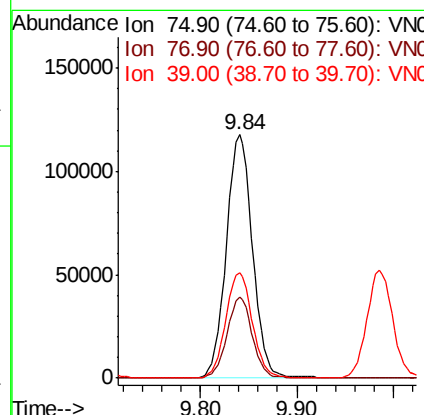
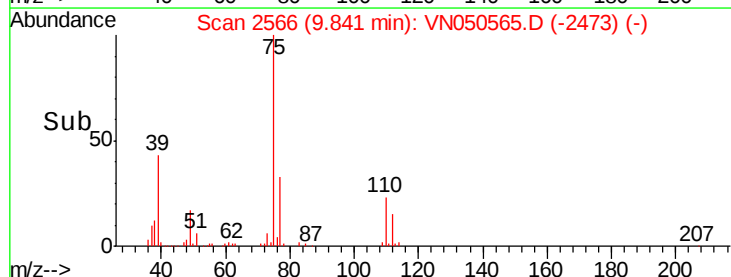
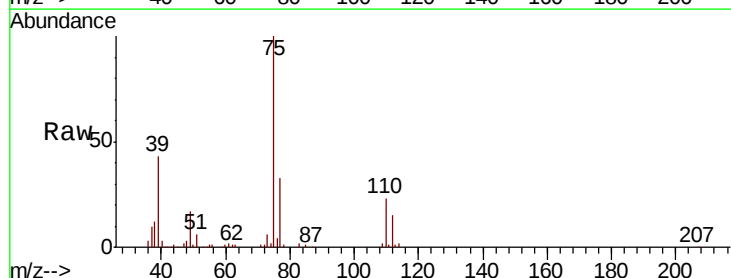
Manual Integrations
APPROVED

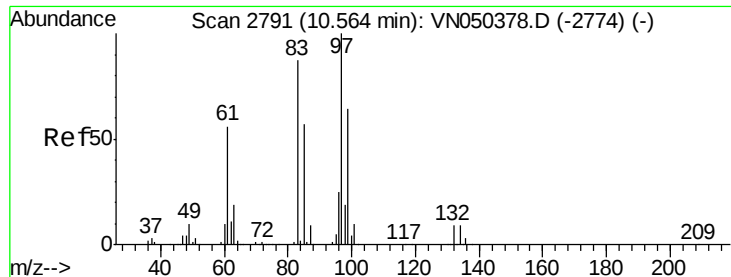
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.84 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.5	38.3
39	43.1	36.6	55.0





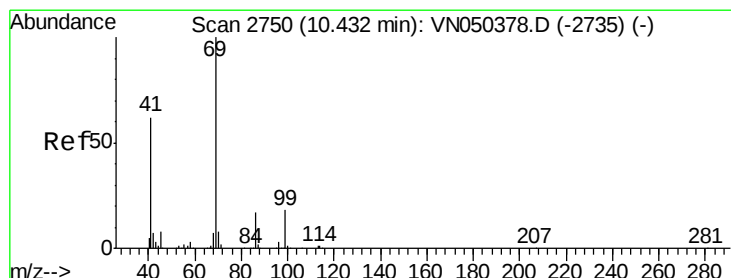
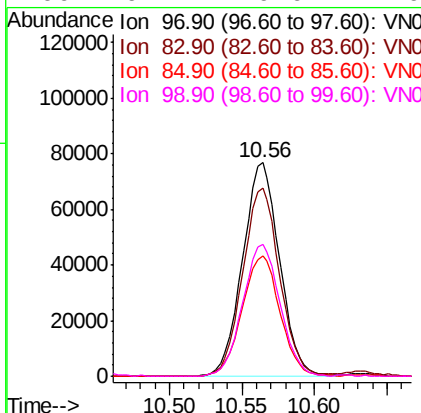
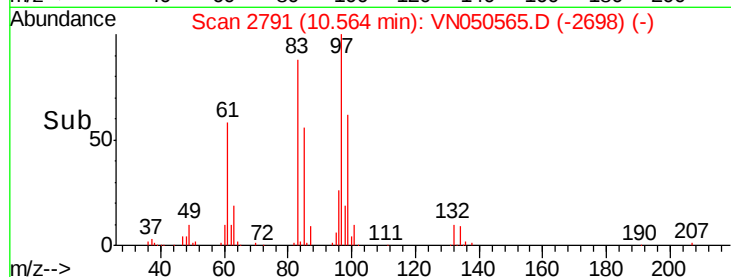
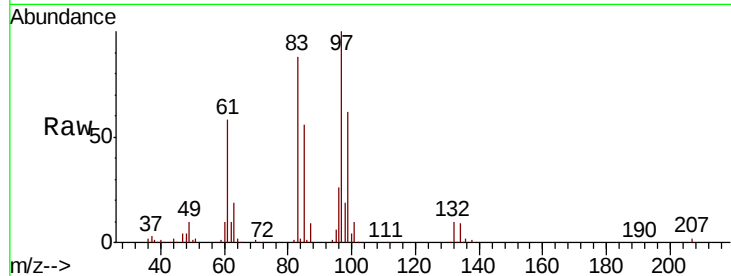
#55
 1,1,2-Trichloroethane
 Concen: 20.62 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		136492		
83	87.9	69.2	103.8		
85	56.2	44.0	66.0		
99	61.7	49.9	74.9		

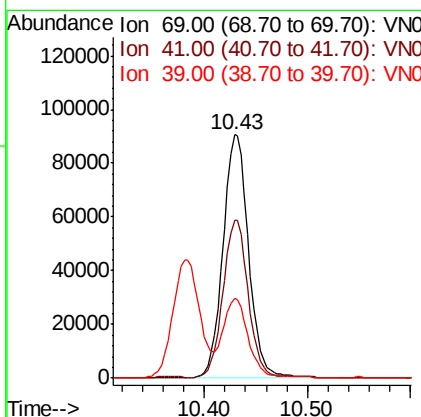
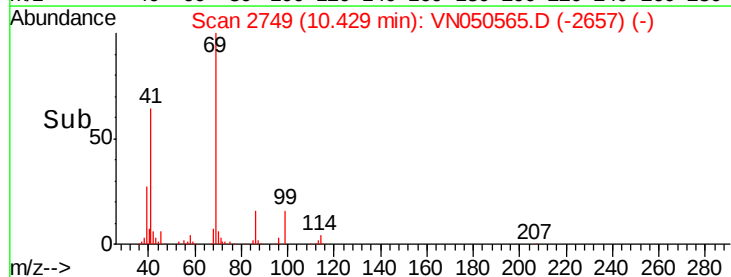
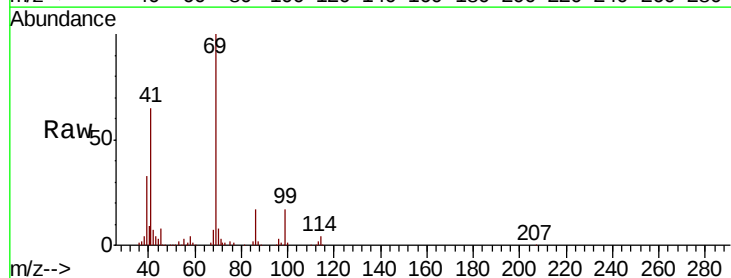
Manual Integrations
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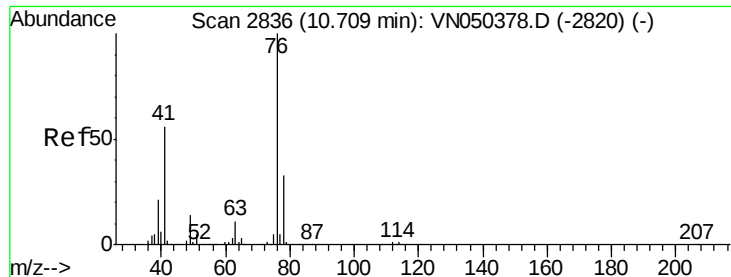
MMDadoda
 8/14/2018 12:50:57 PM



#56
 Ethyl methacrylate
 Concen: 17.86 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		156637		
41	63.6	51.0	76.4		
39	31.4	26.6	40.0		





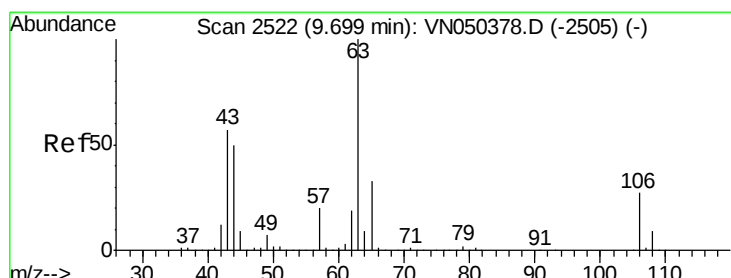
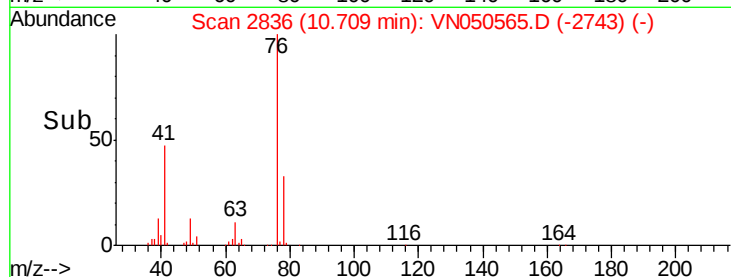
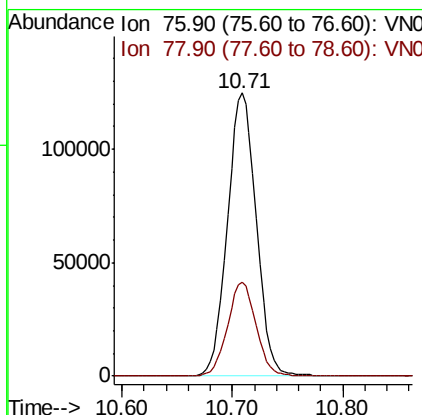
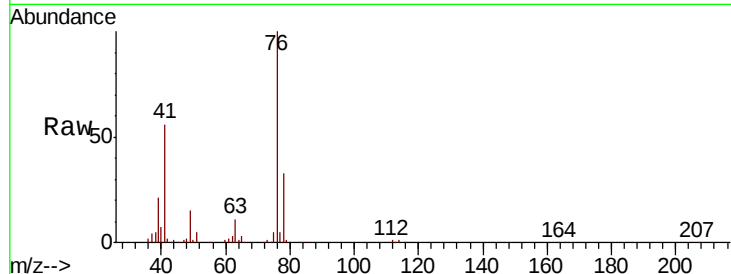
#57
 1,3-Dichloropropane
 Concen: 20.80 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBS01

Tot Ion: 76 Resp: 225972
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5

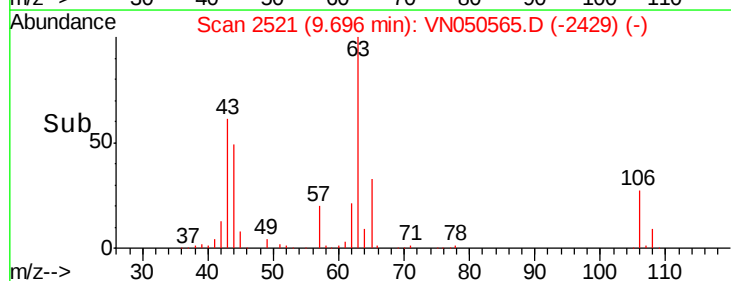
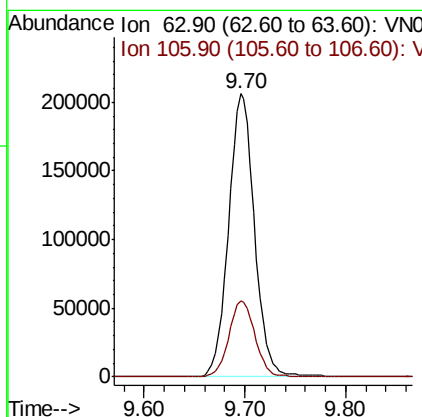
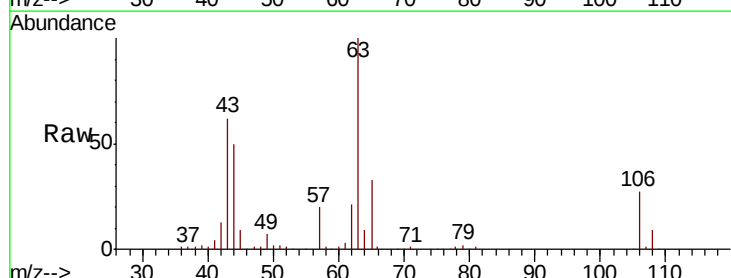
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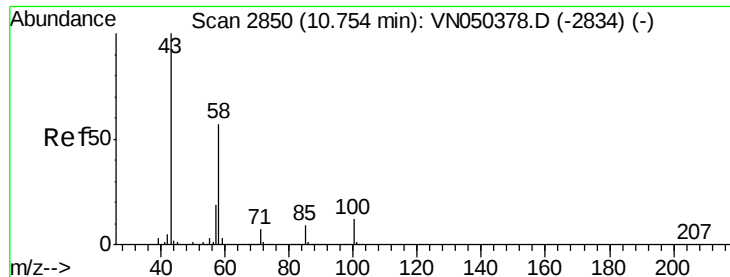
MMDadoda
 8/14/2018 12:50:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.48 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion: 63 Resp: 369254
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.7 32.5





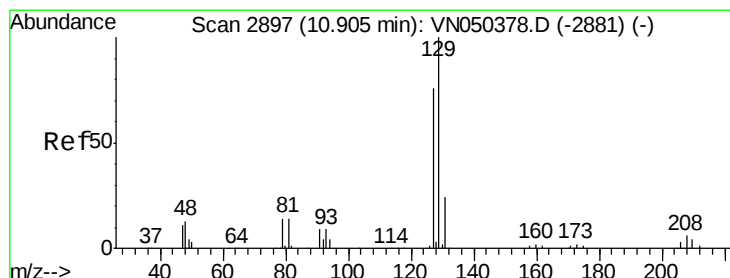
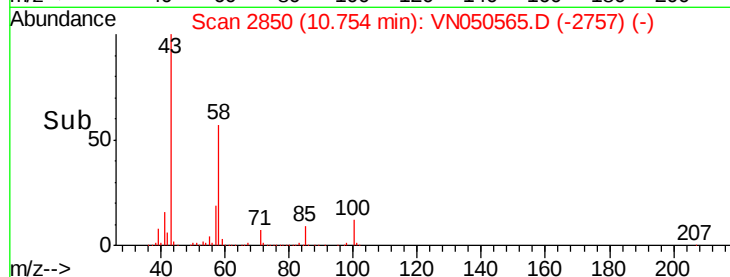
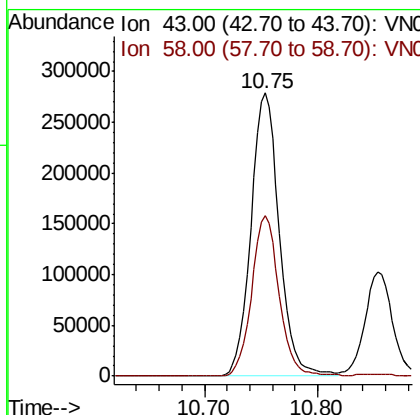
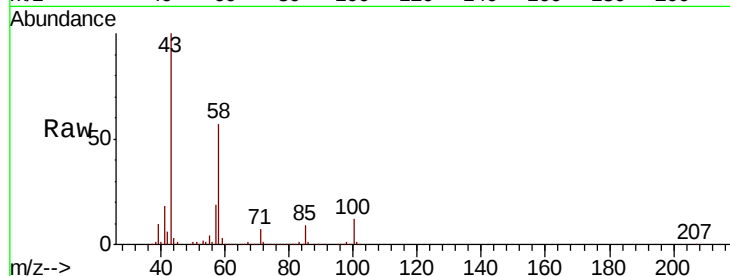
#59
2-Hexanone
Concen: 84.68 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion: 43 Resp: 485702
Ion Ratio Lower Upper
43 100
58 55.0 27.6 82.7

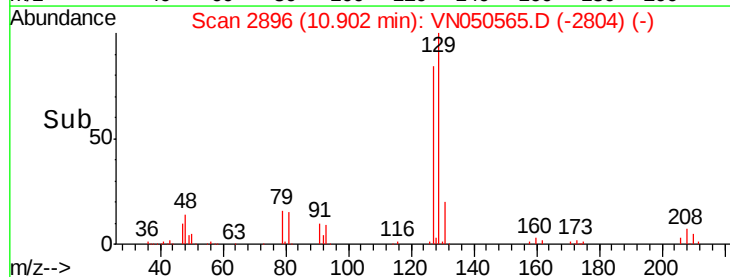
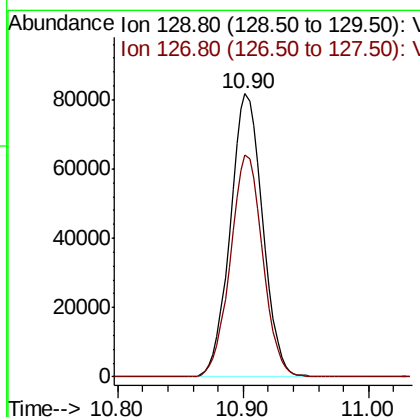
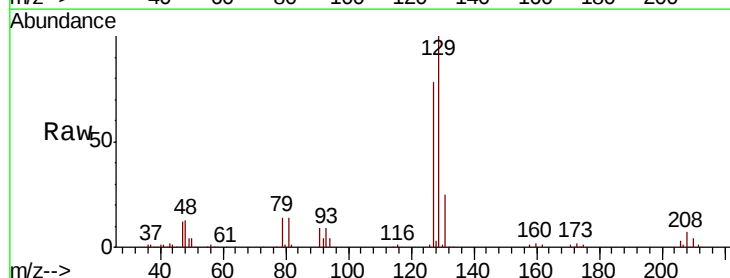
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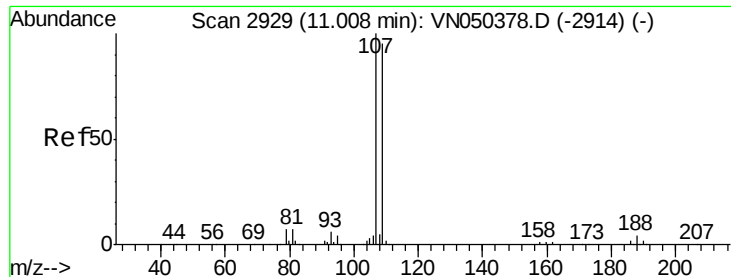
MMDadoda
8/14/2018 12:50:57 PM



#60
Dibromochloromethane
Concen: 20.13 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion: 129 Resp: 146750
Ion Ratio Lower Upper
129 100
127 78.3 38.0 113.9





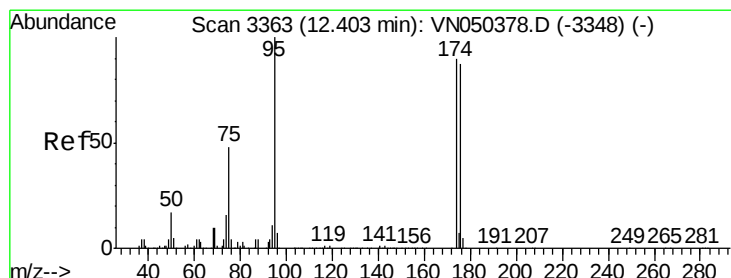
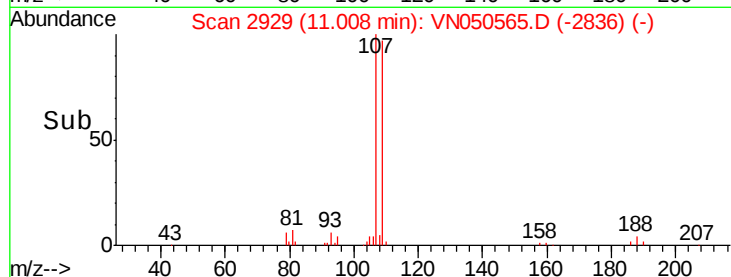
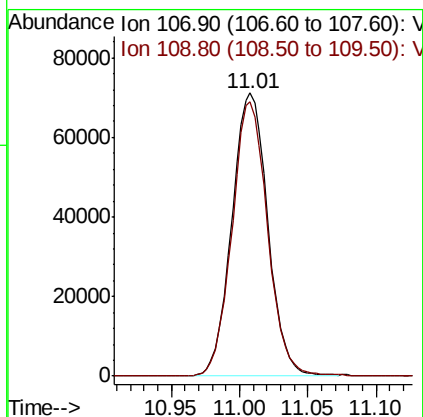
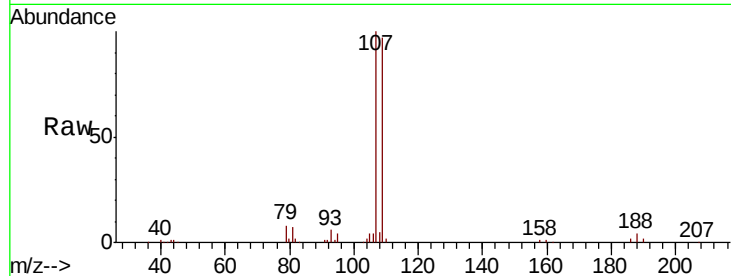
#61
 1,2-Dibromoethane
 Concen: 19.97 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	74.6	112.0

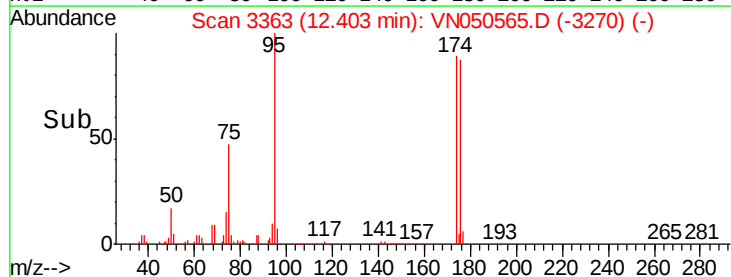
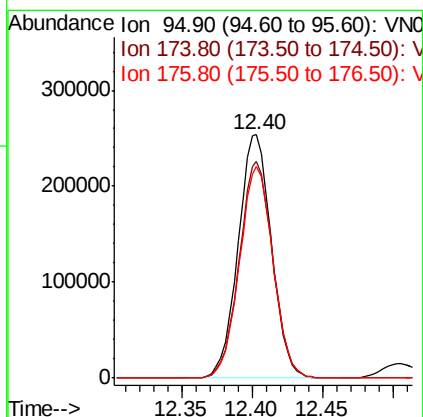
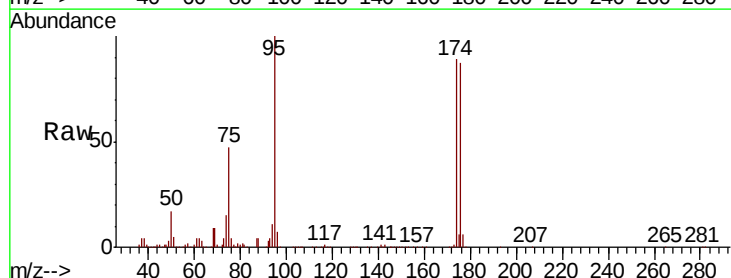
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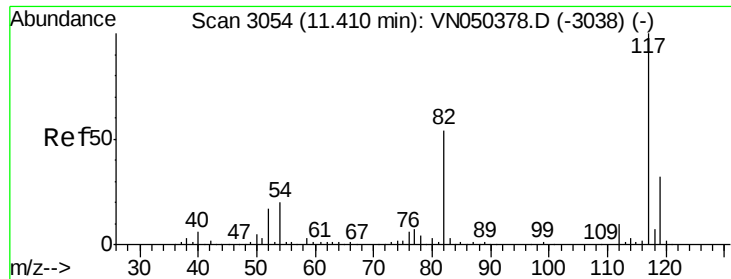
MMDadoda
 8/14/2018 12:50:57 PM



#62
 4-Bromofluorobenzene
 Concen: 48.95 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	178.2
176	87.4	0.0	173.4





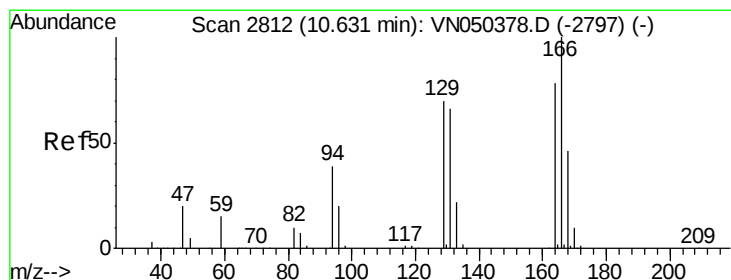
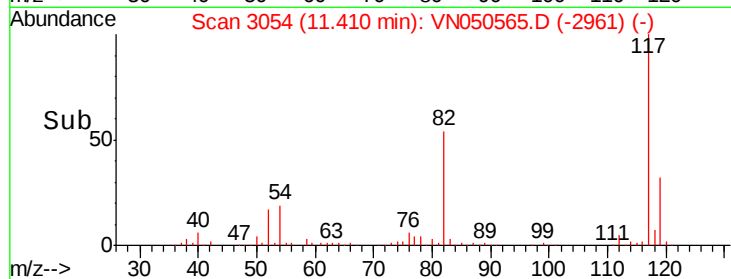
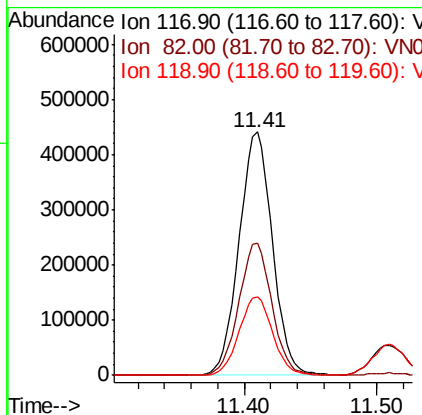
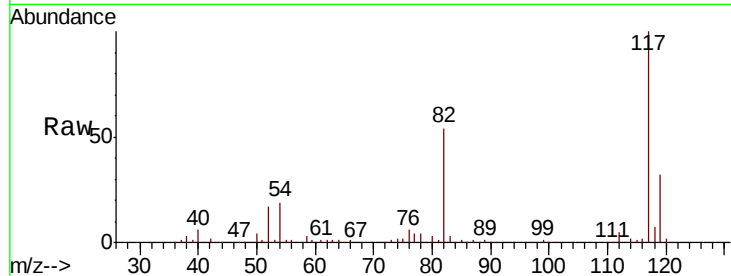
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.7	65.5
119	32.4	26.1	39.1

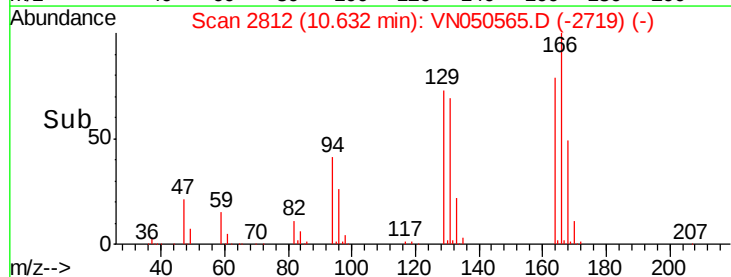
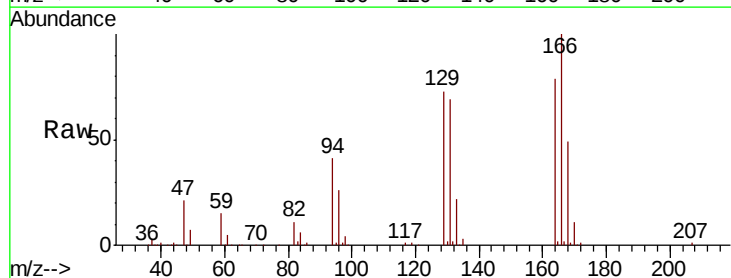
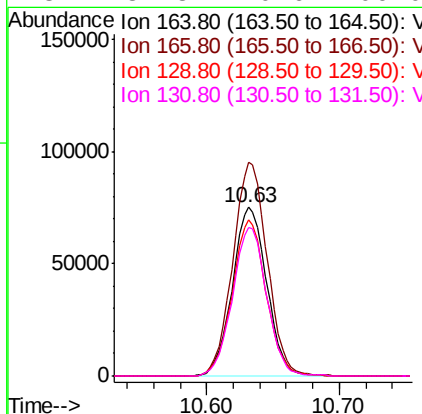
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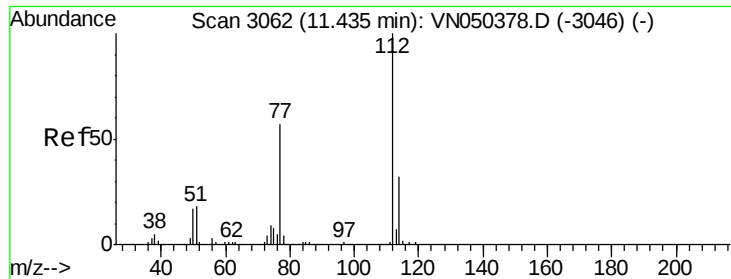
MMDadoda
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#64
Tetrachloroethene
Concen: 18.75 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	102.1	153.1
129	92.4	73.2	109.8
131	87.8	70.6	106.0





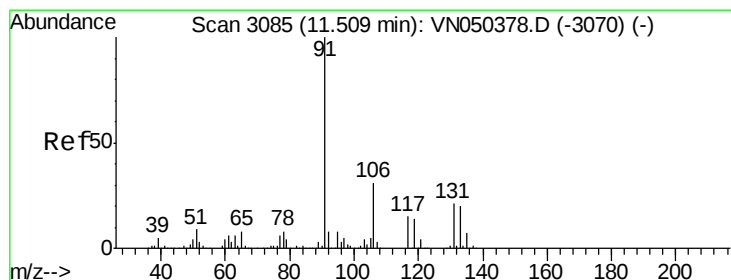
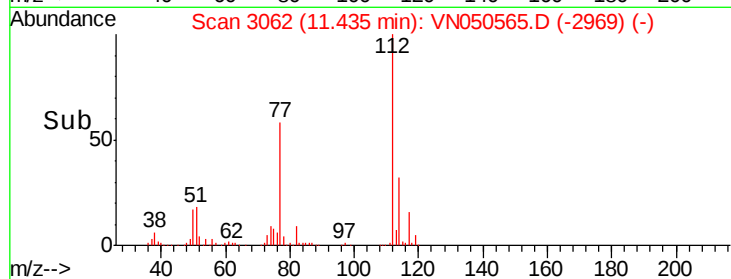
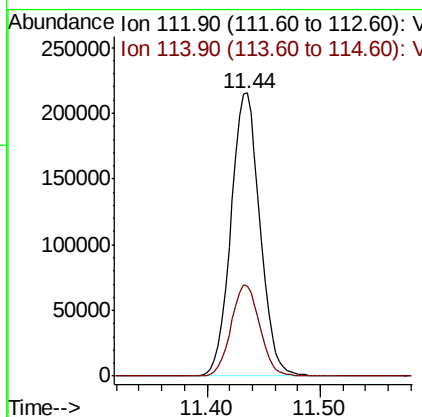
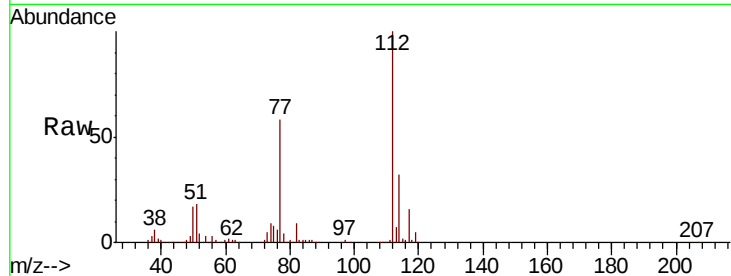
#65
Chlorobenzene
Concen: 19.86 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.6	38.4

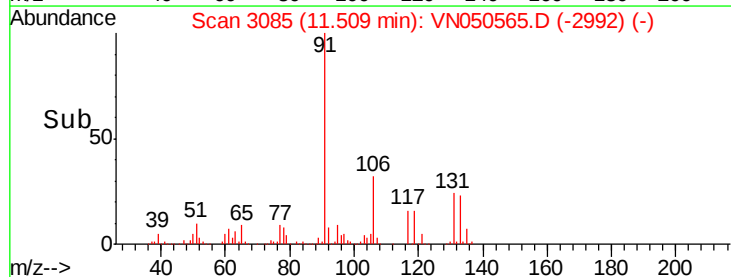
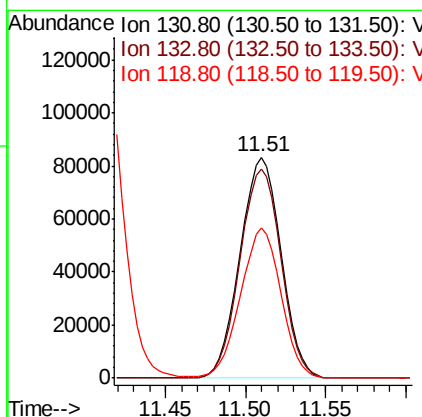
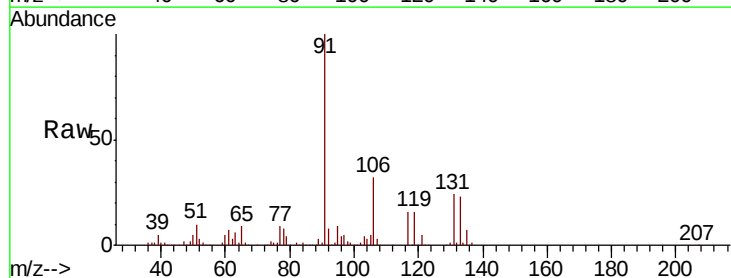
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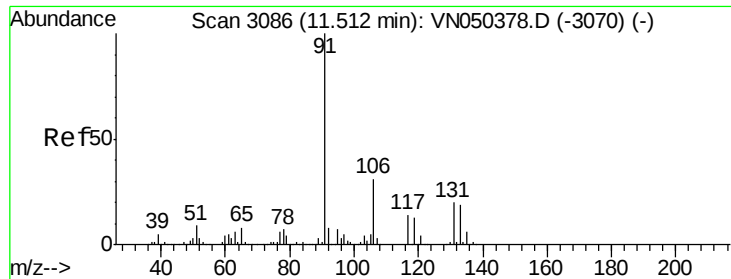
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.77 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	67.1	32.9	98.7





#67

Ethyl Benzene

Concen: 19.45 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

Tot Ion: 91 Resp: 608259

Ion Ratio Lower Upper

91 100

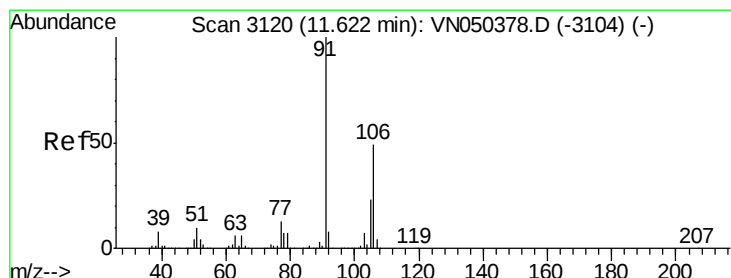
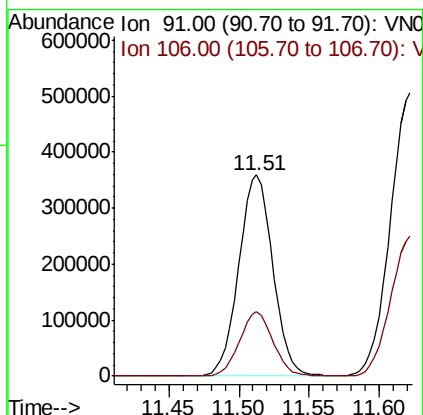
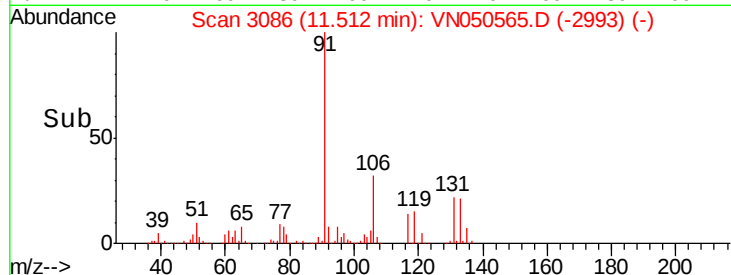
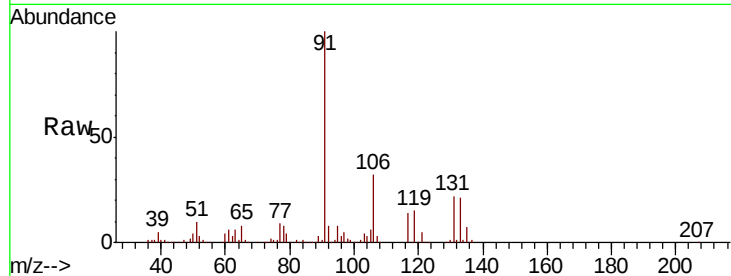
106 31.8 25.0 37.4

Manual Integrations

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8/14/2018 12:50:57 PM



#68

m/p-Xylenes

Concen: 40.42 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050565.D

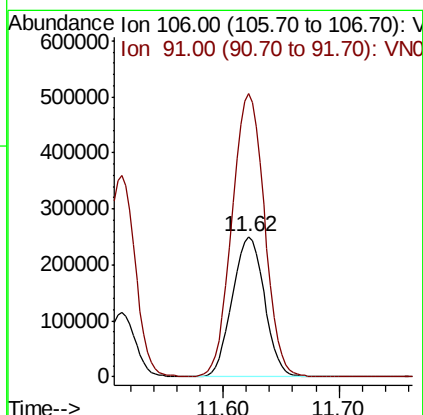
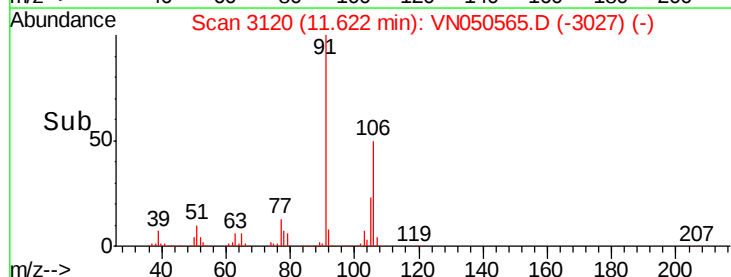
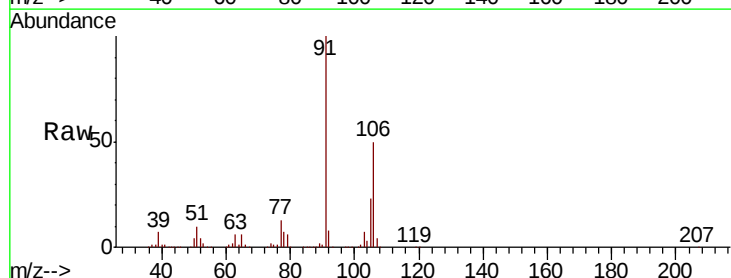
Acq: 13 Aug 2018 13:54

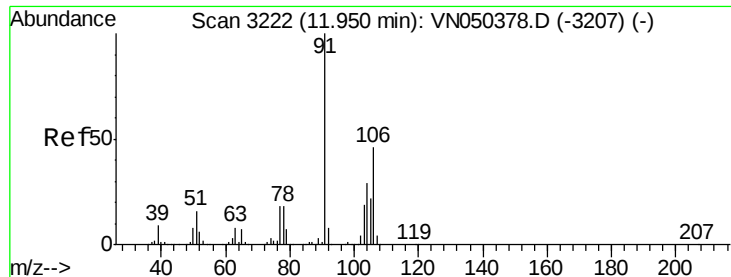
Tgt Ion: 106 Resp: 481118

Ion Ratio Lower Upper

106 100

91 203.4 162.2 243.2





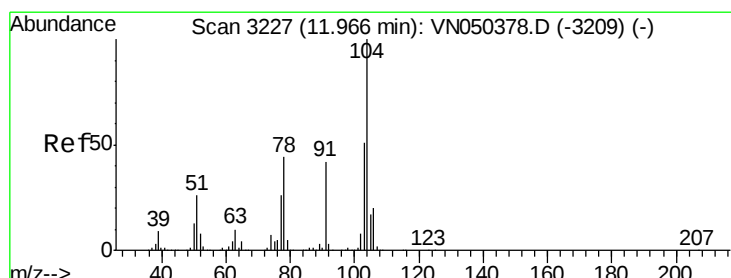
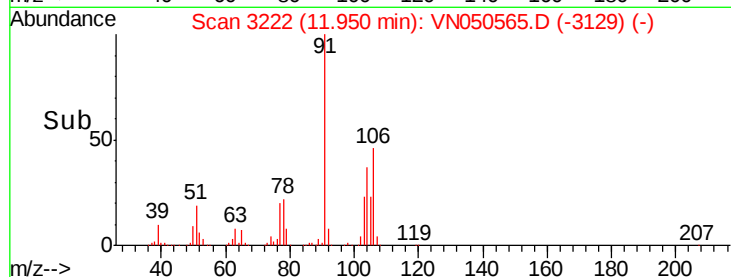
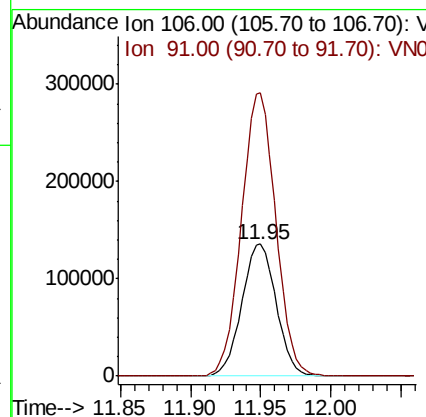
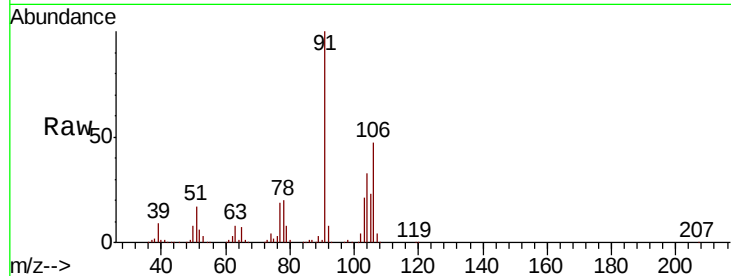
#69
o-Xylene
Concen: 20.25 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.2	107.7	323.1

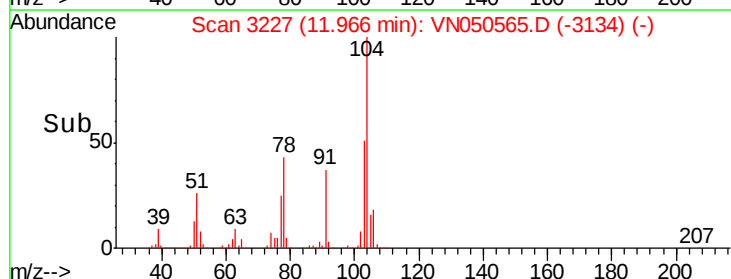
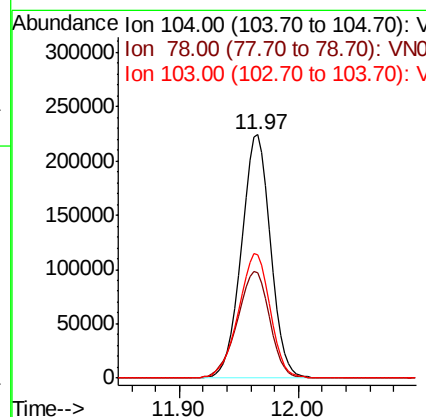
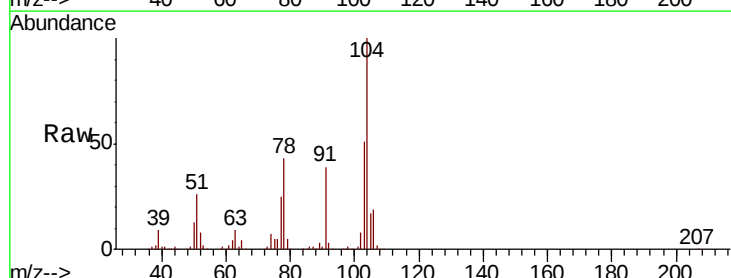
Manual Integrations
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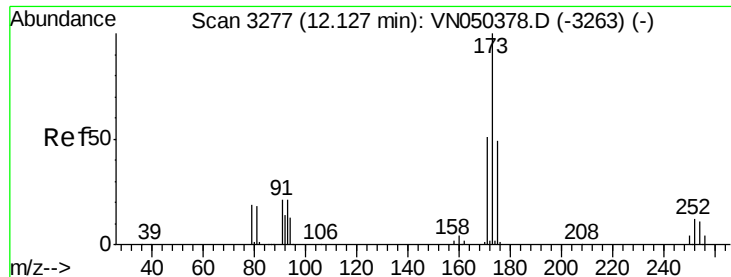
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#70
Styrene
Concen: 20.44 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.3	58.9
103	55.6	45.0	67.6





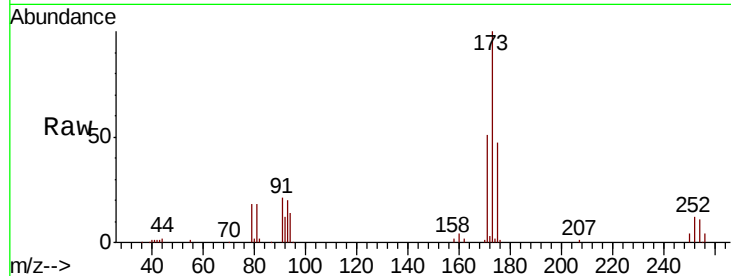
#71
Bromoform
Concen: 19.35 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.2
254	0.0	0.2	0.2#

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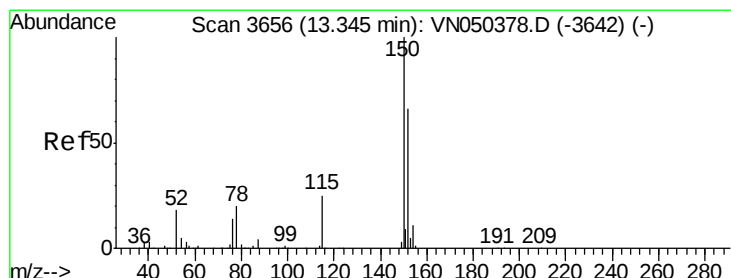
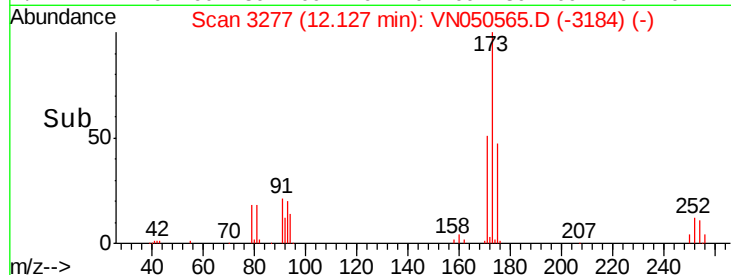
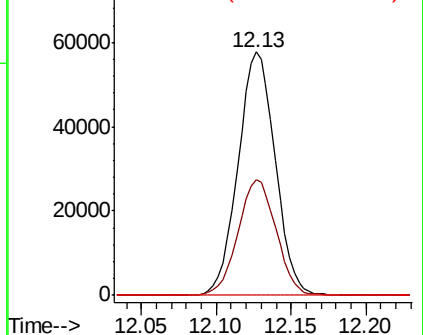


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

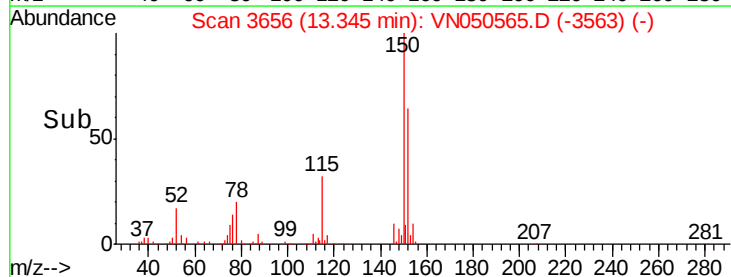
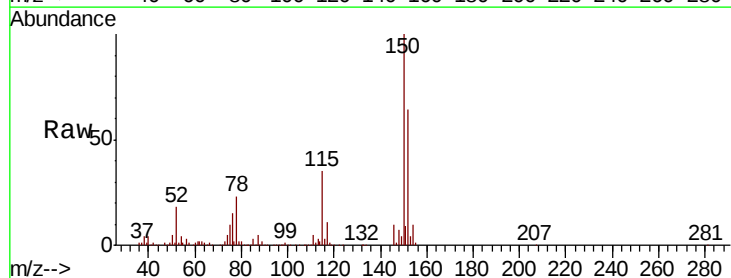
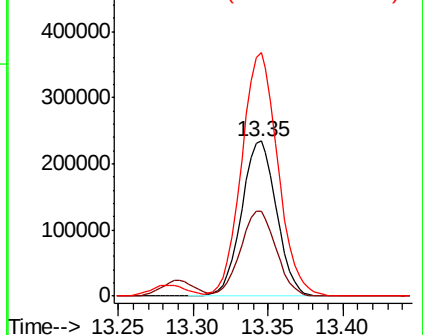
Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.8	83.3
150	163.9	0.0	348.6

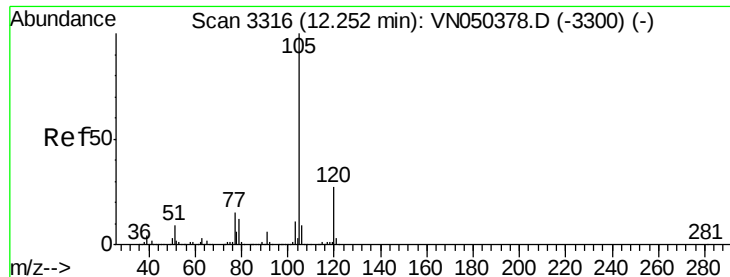
Abundance

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: 21.00 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

Tot Ion: 105 Resp: 599171

Ion Ratio Lower Upper

105 100

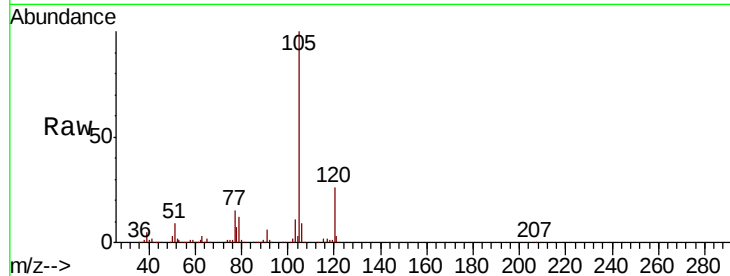
120 26.6 13.3 39.8

Manual Integrations

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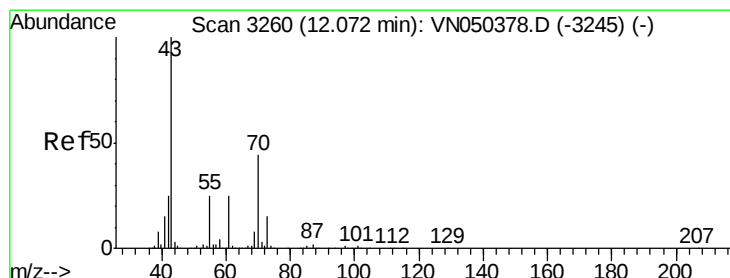
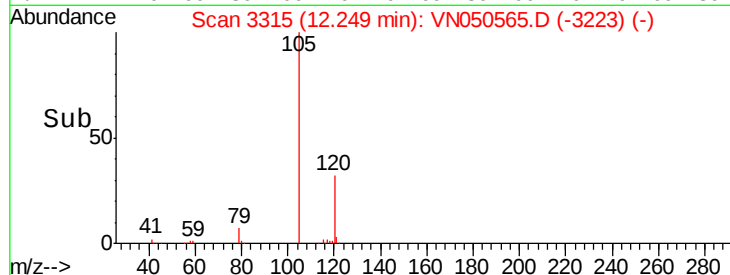
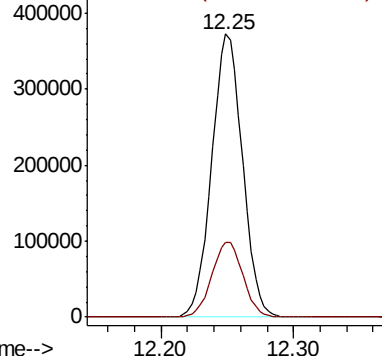
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.32 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Tgt Ion: 43 Resp: 169479

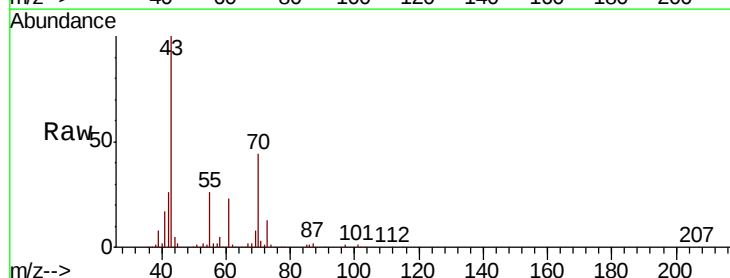
Ion Ratio Lower Upper

43 100

70 43.9 34.4 51.6

55 27.5 20.8 31.2

61 23.8 19.7 29.5

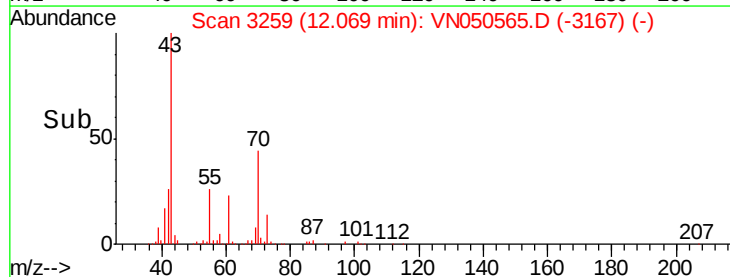
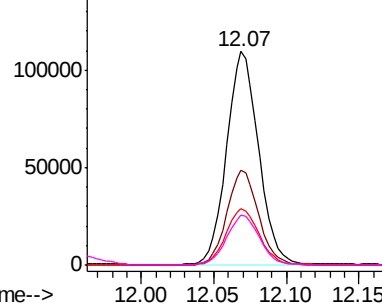


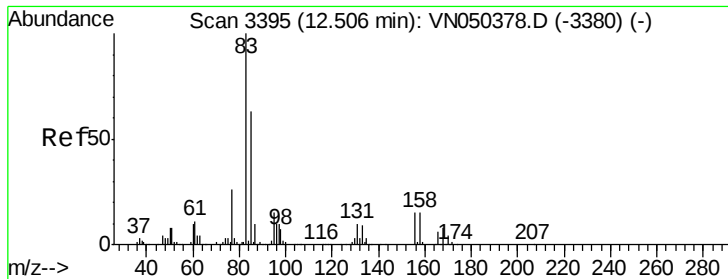
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.43 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

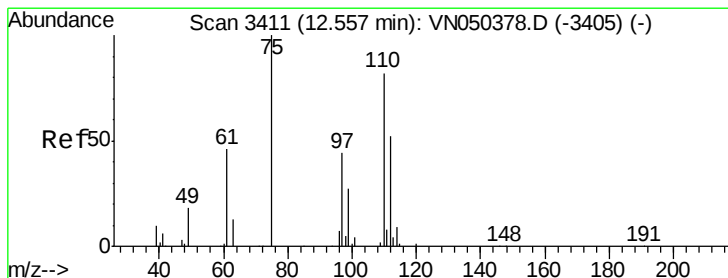
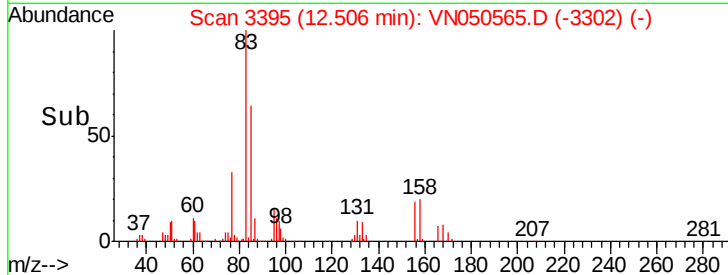
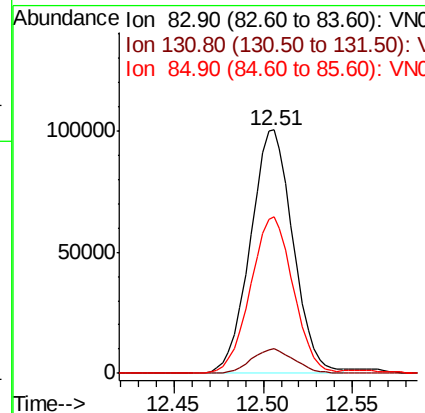
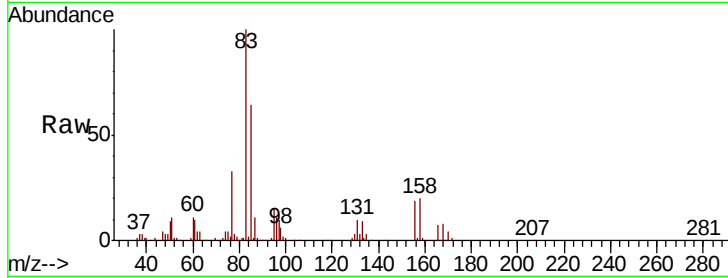
ClientSampleId :

VN0813MBSD01

Tot Ion:	83	Resp:	168176
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	64.3	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.52 ug/l m

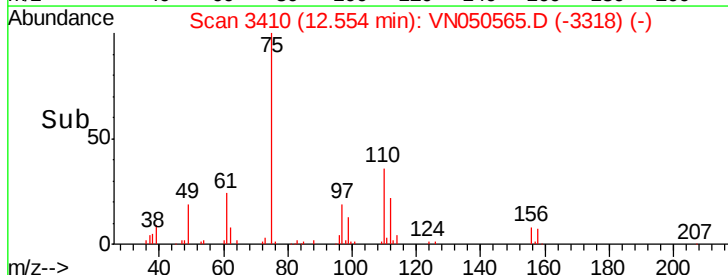
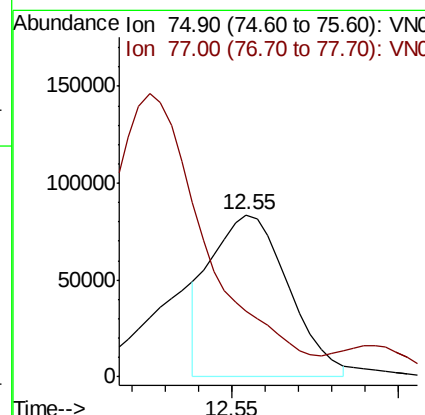
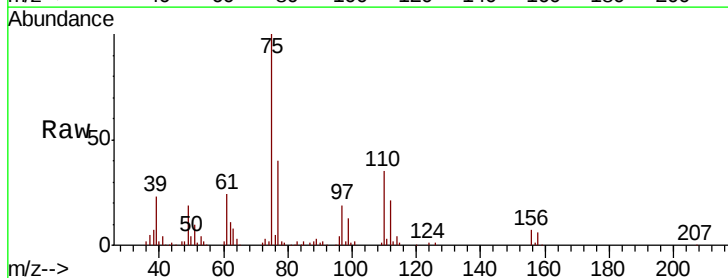
RT: 12.55 min Scan# 3410

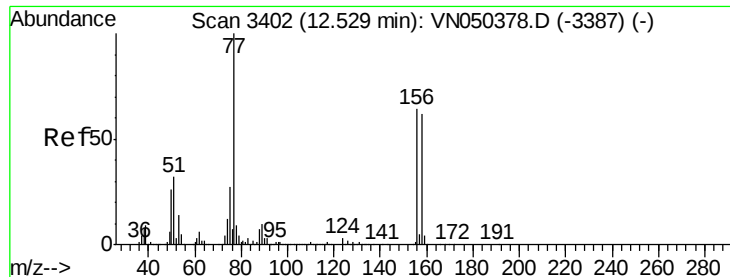
Delta R.T. -0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Tgt Ion:	75	Resp:	134295
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.25 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

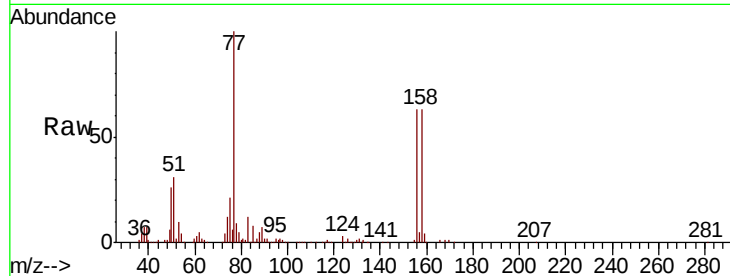
ClientSampleId :

VN0813MBSD01

Tot Ion:	156	Resp:	162415
Ion Ratio	Lower	Upper	
156	100		
77	185.3	91.7	275.1
158	98.4	48.9	146.6

Manual Integrations
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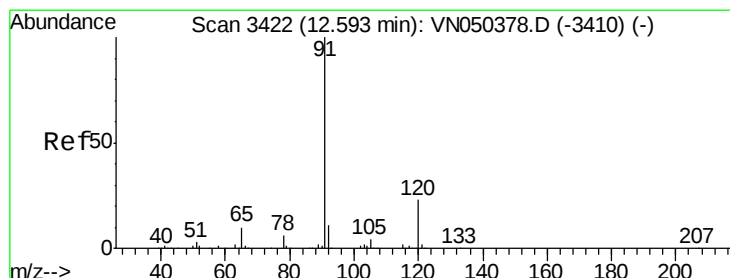
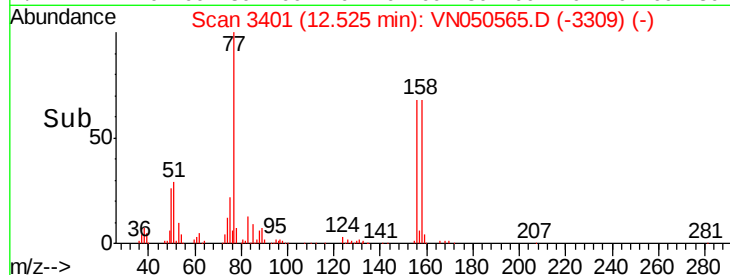
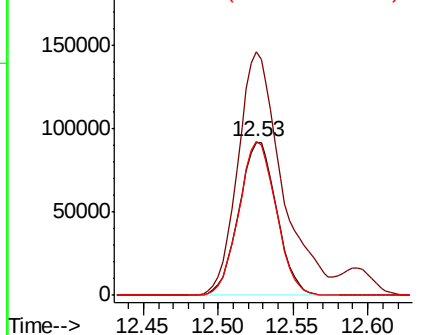
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8/14/2018 12:50:57 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.81 ug/l

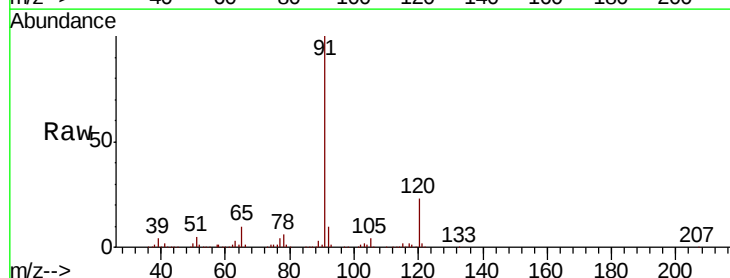
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050565.D

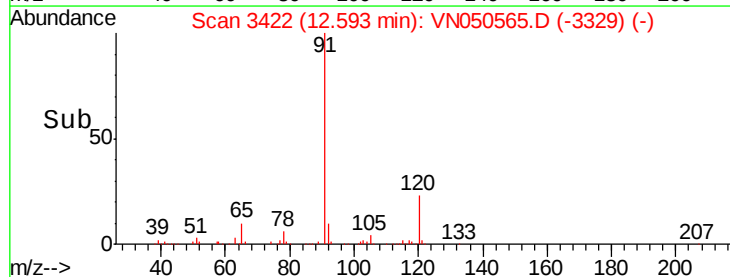
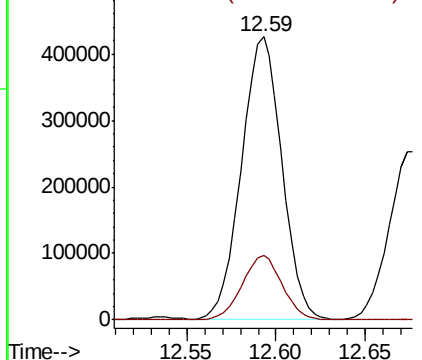
Acq: 13 Aug 2018 13:54

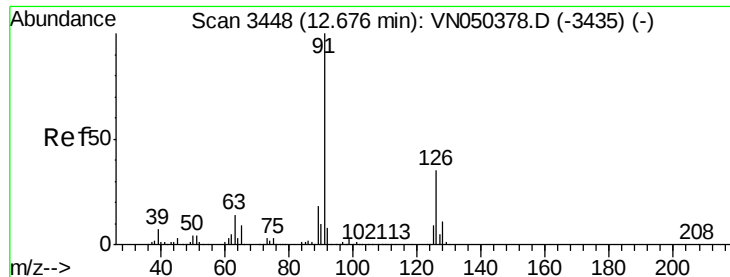
Tgt Ion:	91	Resp:	672256
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.6	34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.13 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampled :

VN0813MBSD01

Tot Ion: 91 Resp: 421532

Ion Ratio Lower Upper

91 100

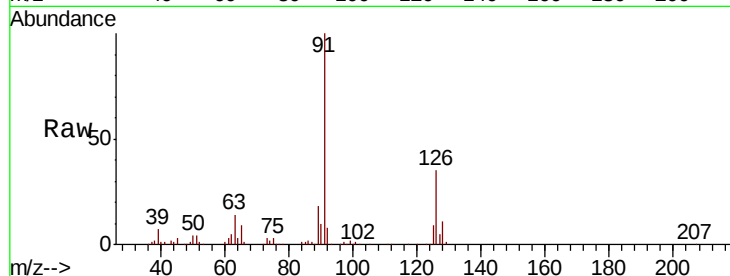
126 35.0 17.6 52.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050378.D (-3435) (-)

400000

300000

200000

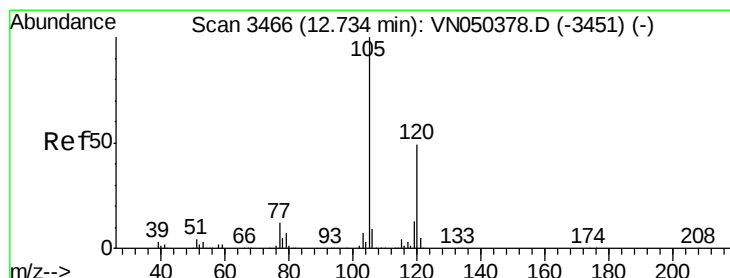
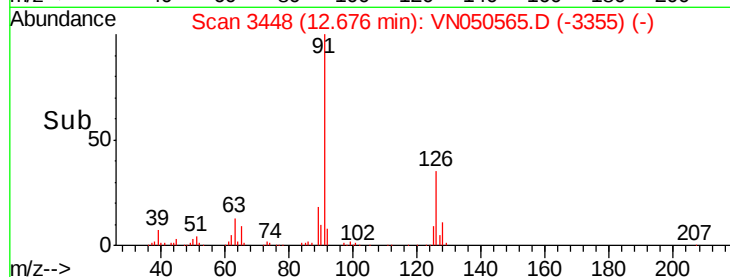
100000

0

12.60 12.65 12.70

12.68

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.46 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050565.D

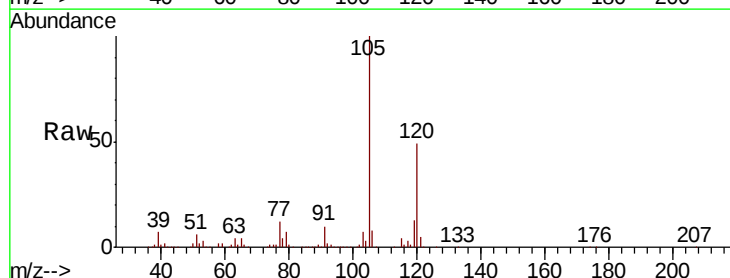
Acq: 13 Aug 2018 13:54

Tgt Ion: 105 Resp: 497015

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050378.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN050378.D (-3451) (-)

300000

200000

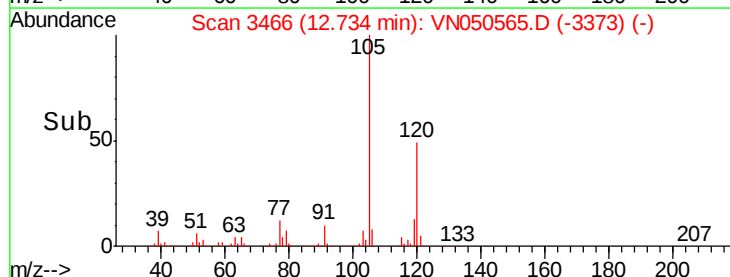
100000

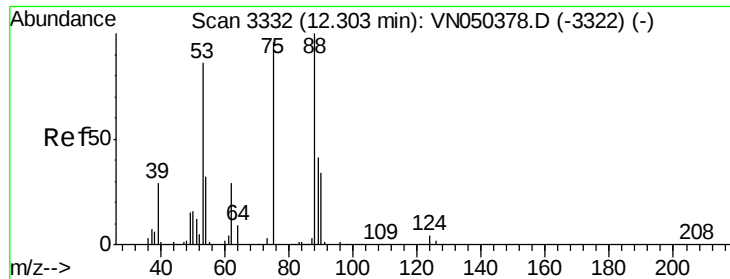
0

12.70 12.80

12.73

Time-->





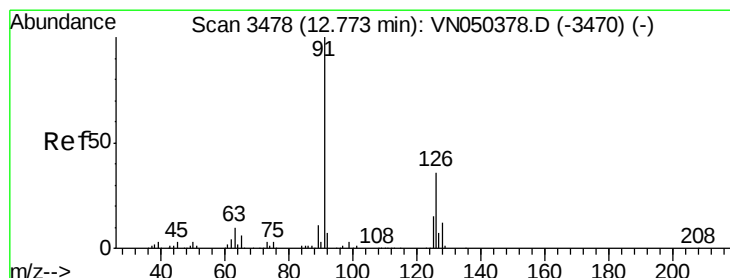
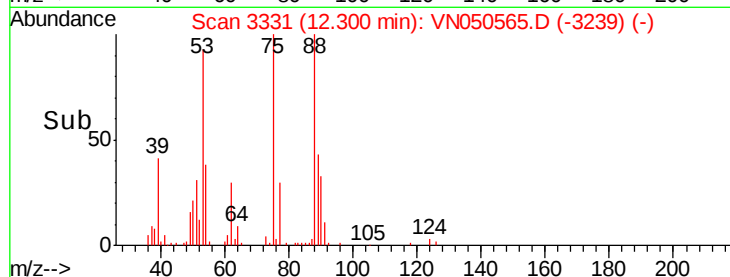
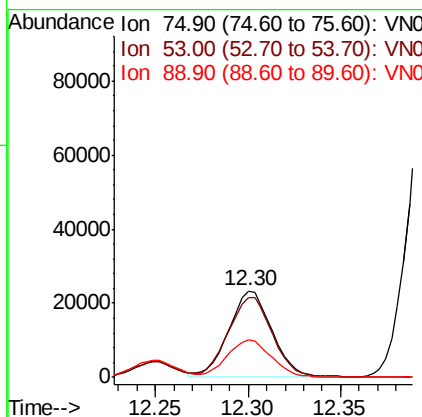
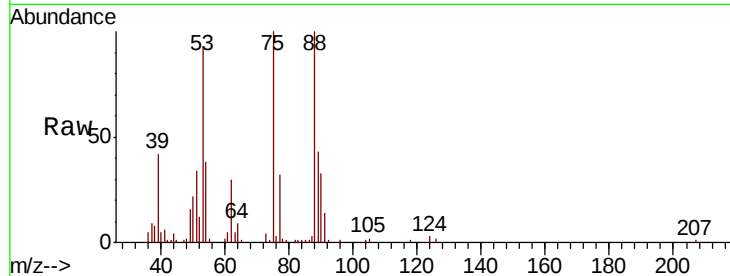
#81
trans-1,4-Dichloro-2-butene
Concen: 19.37 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.7	73.5	110.3
89	44.5	36.0	54.0

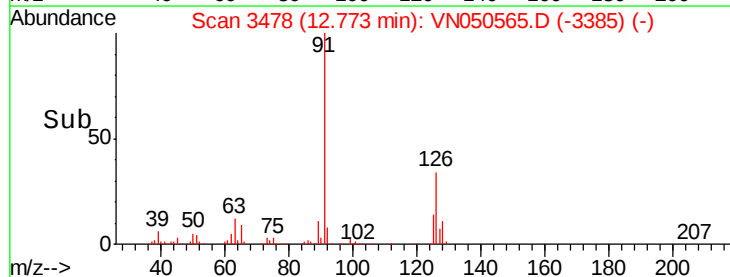
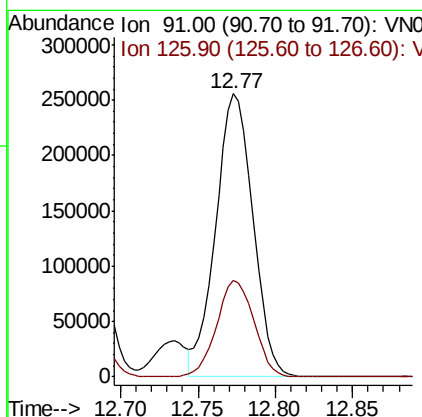
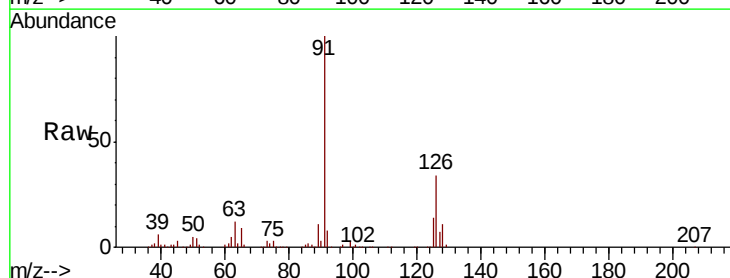
Manual Integrations
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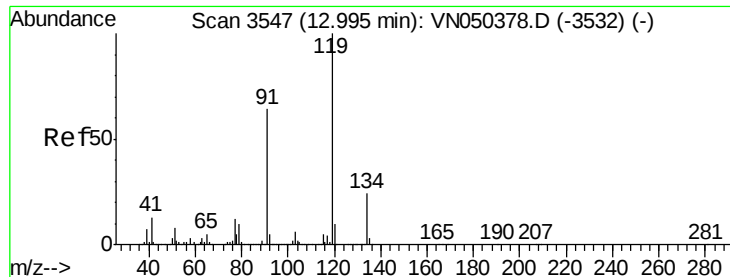
MMDadoda
8/14/2018 12:50:57 PM



#82
4-Chlorotoluene
Concen: 21.43 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.0	51.0





#83

tert-Butylbenzene

Concen: 20.23 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

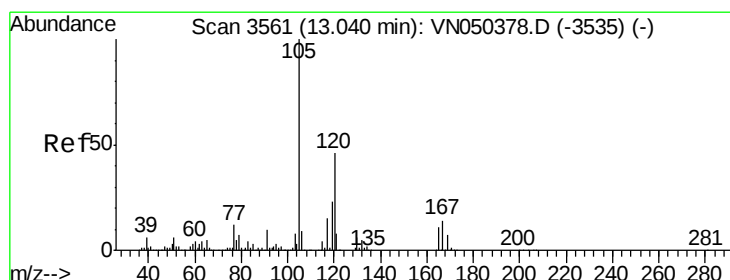
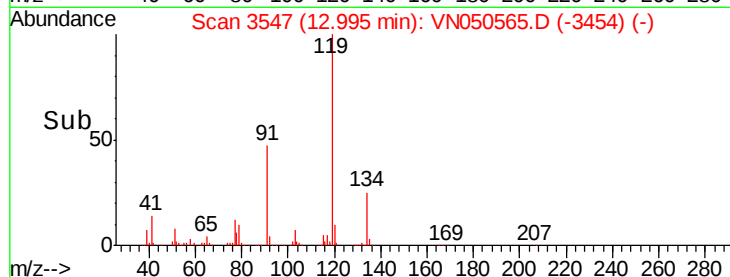
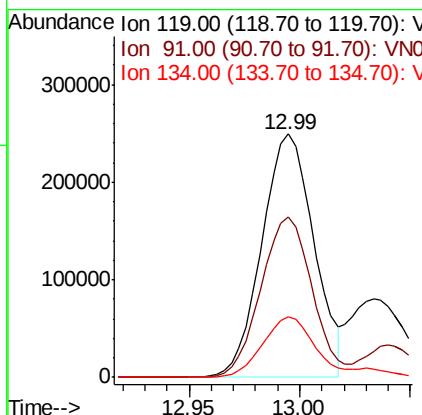
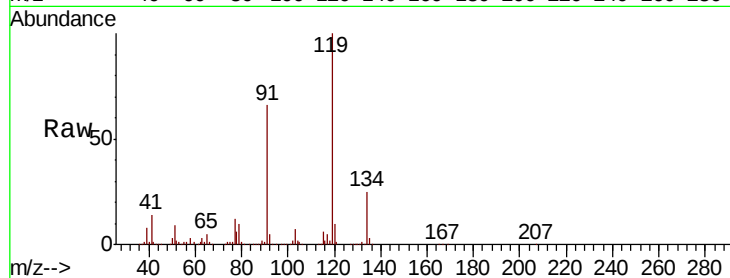
ClientSampleId :

VN0813MBSD01

Tot Ion:	119	Resp:	408797
Ion Ratio	Lower	Upper	
119	100		
91	64.6	32.1	96.3
134	24.3	13.2	39.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.67 ug/l

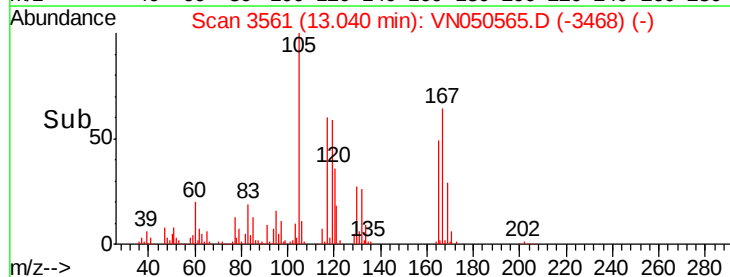
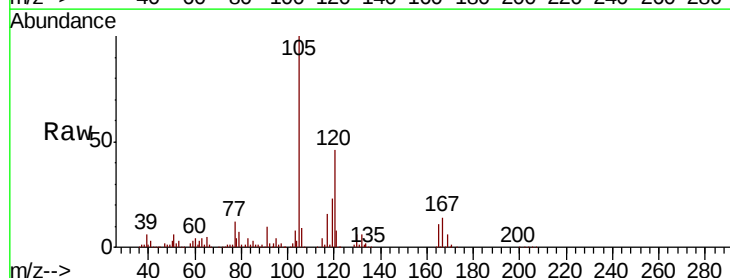
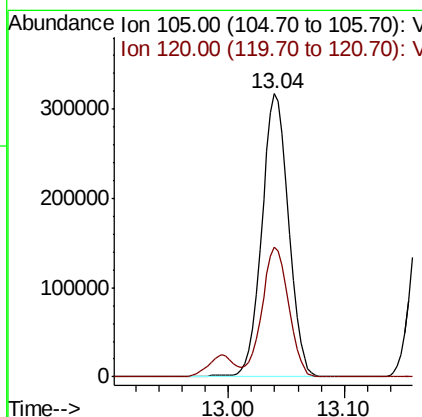
RT: 13.04 min Scan# 3561

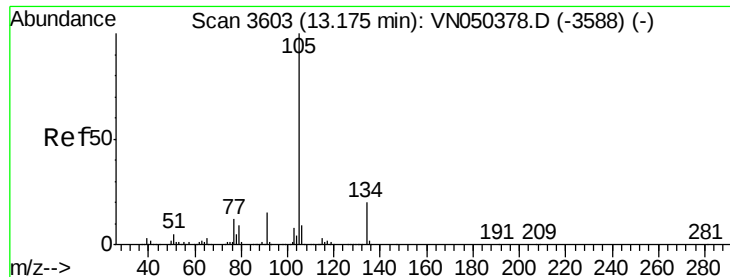
Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Tgt Ion:	105	Resp:	508603
Ion Ratio	Lower	Upper	
105	100		
120	45.7	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.38 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

Tot Ion:105 Resp: 548893

Ion Ratio Lower Upper

105 100

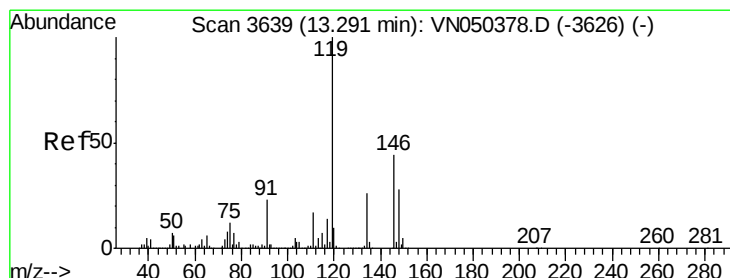
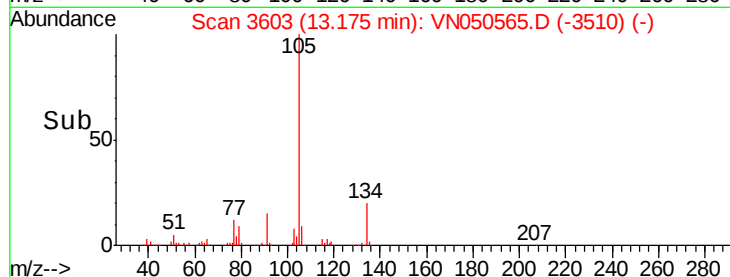
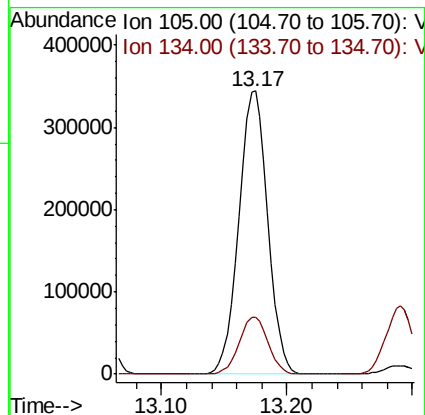
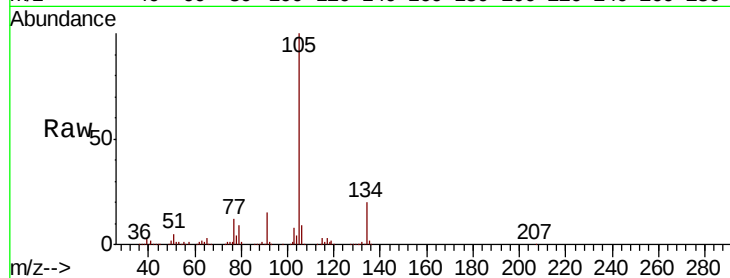
134 20.2 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.17 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

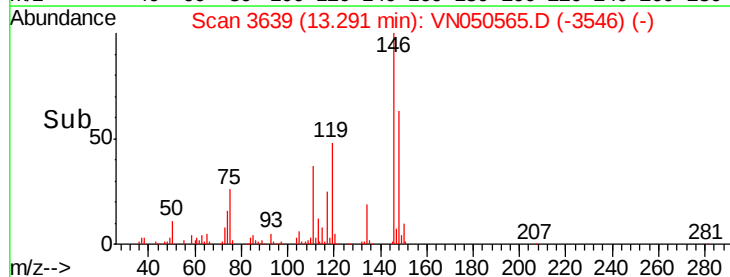
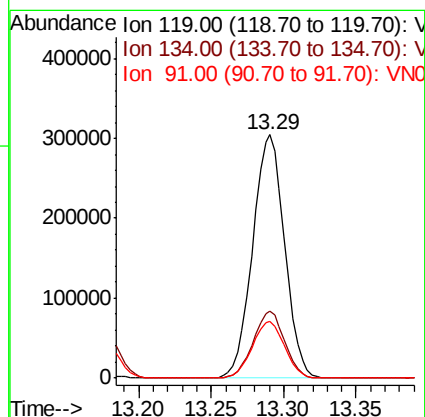
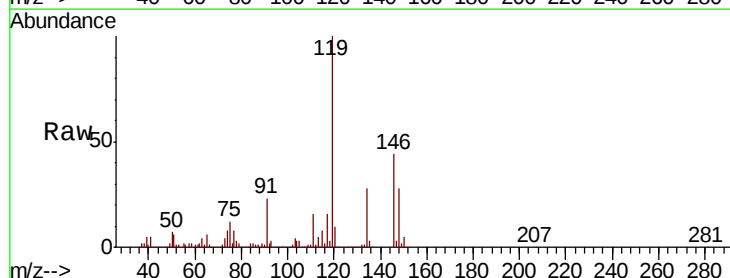
Tgt Ion:119 Resp: 465655

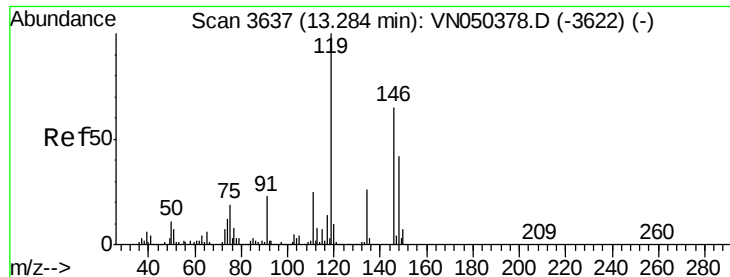
Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.8

91 23.4 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 20.30 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

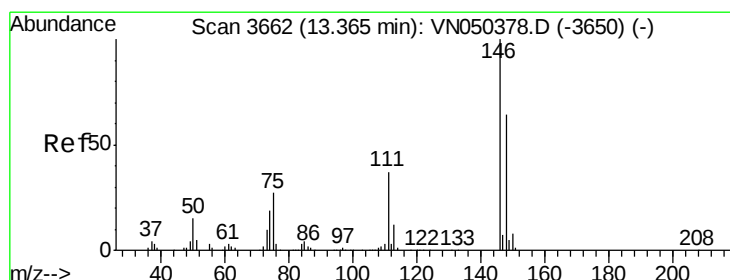
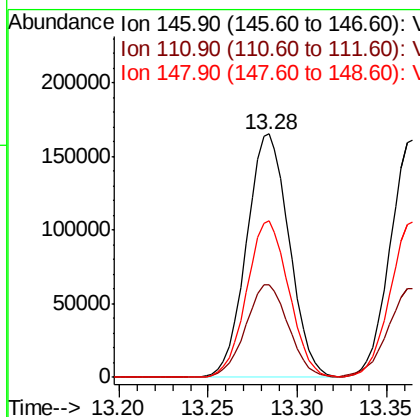
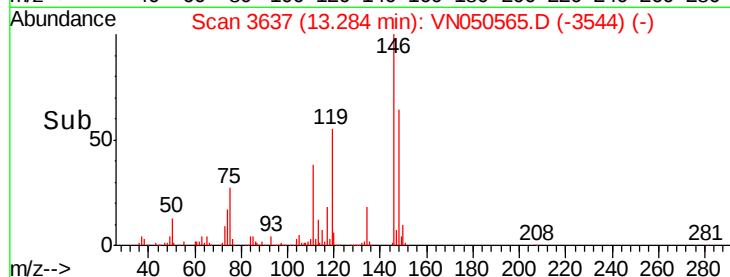
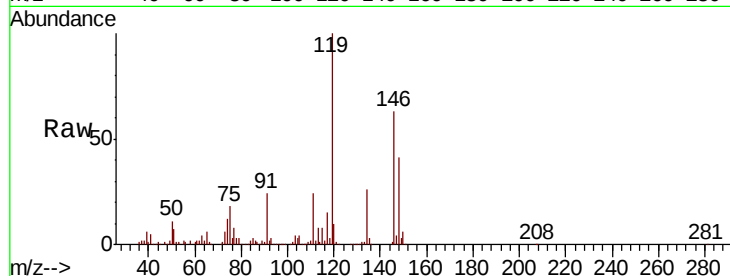
ClientSampleId :

VN0813MBSD01

Tot Ion:	146	Resp:	276427
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.8	56.4
148	63.6	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.44 ug/l

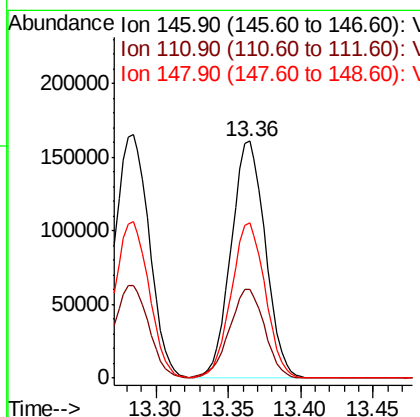
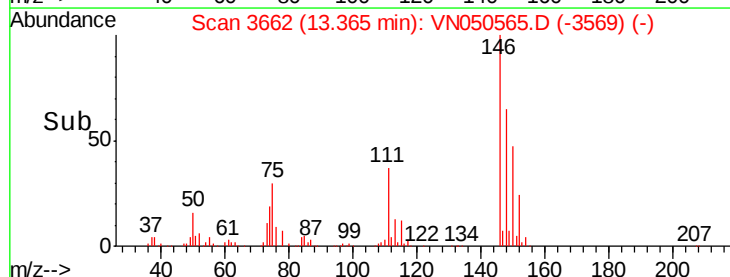
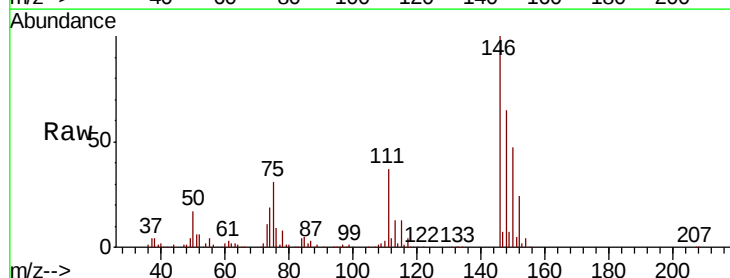
RT: 13.36 min Scan# 3662

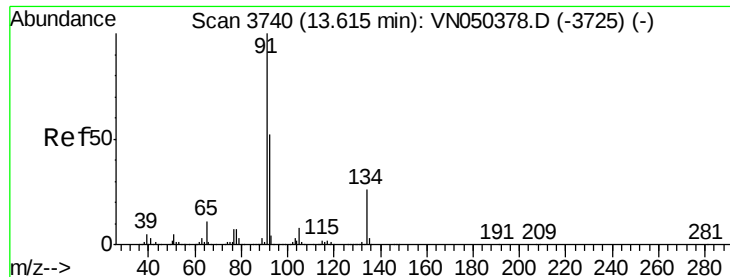
Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Tgt Ion:	146	Resp:	264355
Ion Ratio	Lower	Upper	
146	100		
111	38.7	18.3	54.9
148	65.3	31.9	95.9





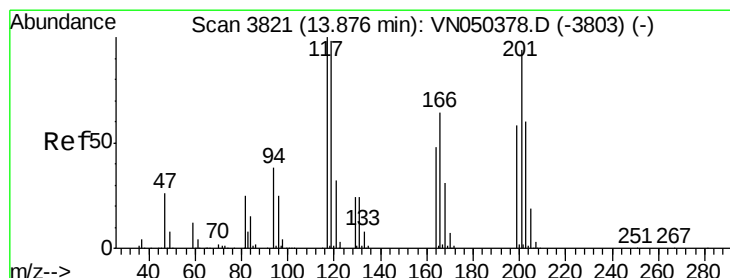
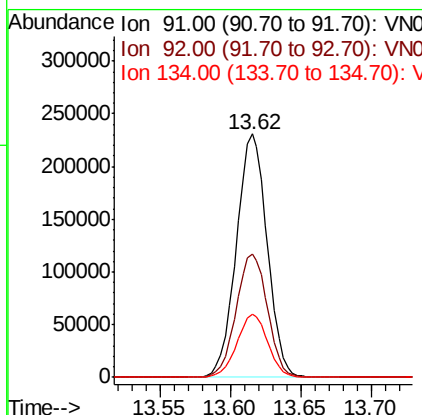
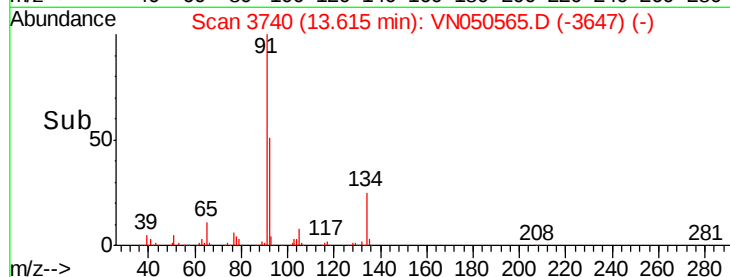
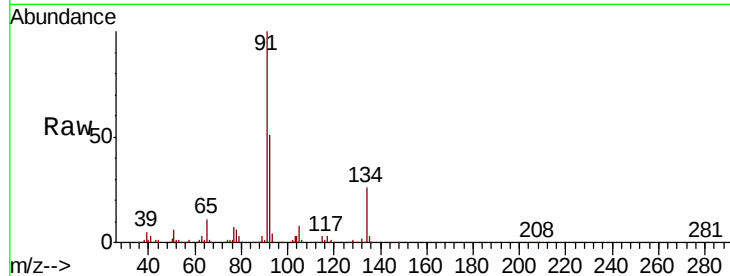
#89
n-Butylbenzene
Concen: 17.99 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.8	77.4
134	25.9	12.8	38.4

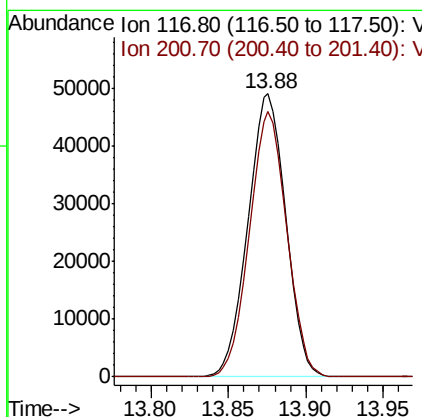
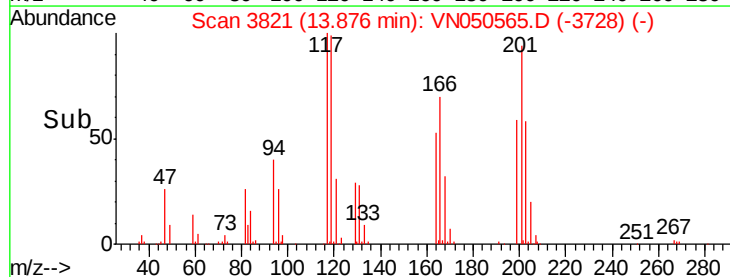
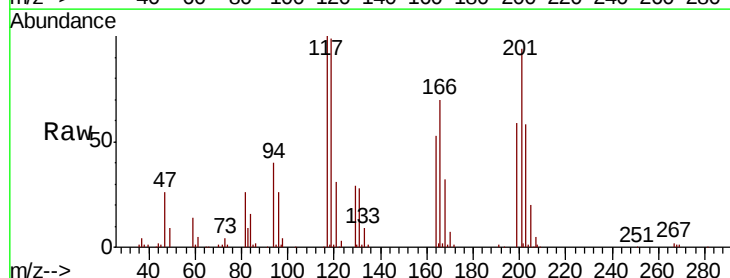
Manual Integrations
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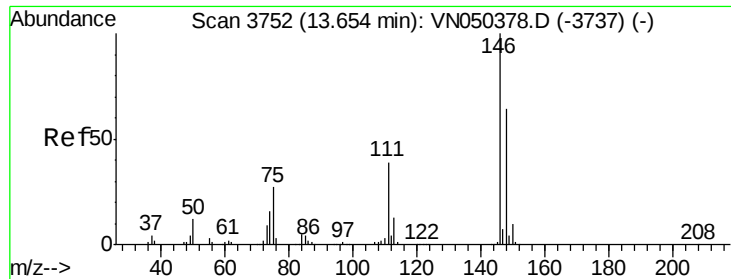
MMDadoda
8/14/2018 12:50:57 PM



#90
Hexachloroethane
Concen: 20.36 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.1	45.6	136.8





#91

1,2-Dichlorobenzene

Concen: 19.79 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050565.D

Acq: 13 Aug 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBSD01

Tot Ion: 146 Resp: 270138
Ion Ratio Lower Upper

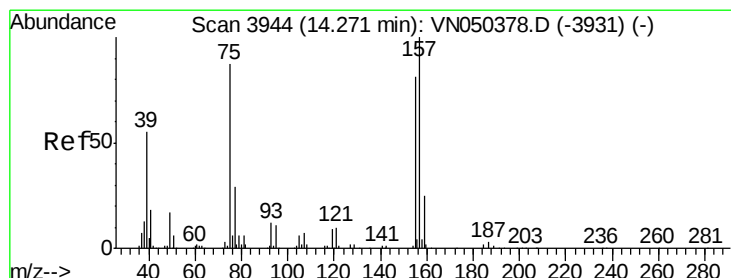
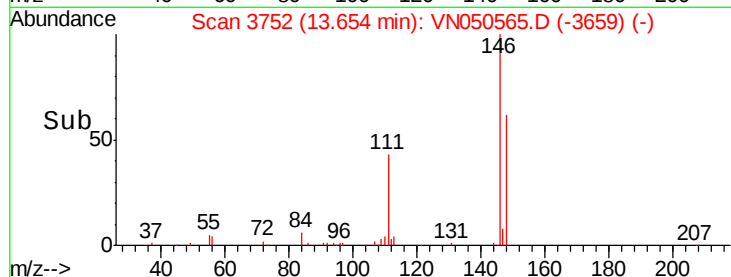
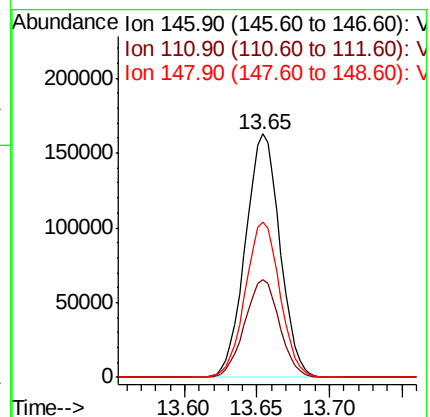
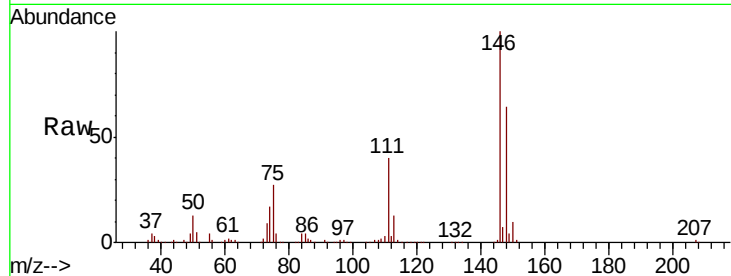
146 100

111 40.5 19.6 58.7

148 64.1 32.1 96.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 16.43 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050565.D

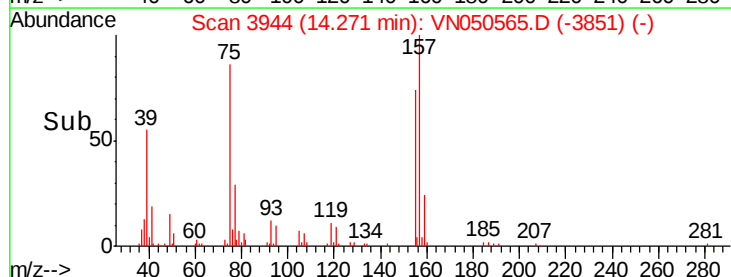
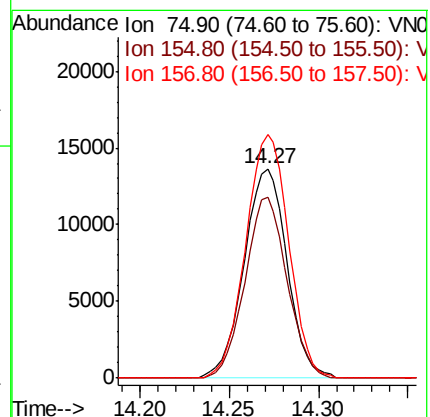
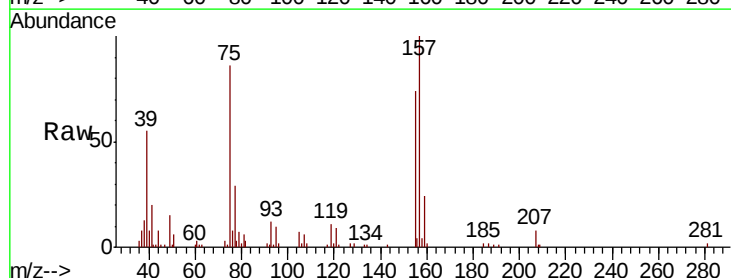
Acq: 13 Aug 2018 13:54

Tgt Ion: 75 Resp: 22966
Ion Ratio Lower Upper

75 100

155 84.3 44.8 134.4

157 115.9 57.2 171.6





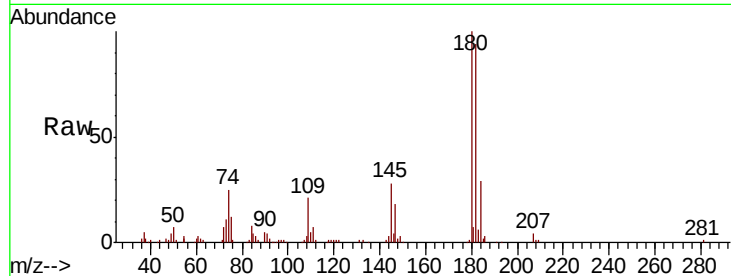
#93
 1,2,4-Trichlorobenzene
 Concen: 16.69 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBSD01

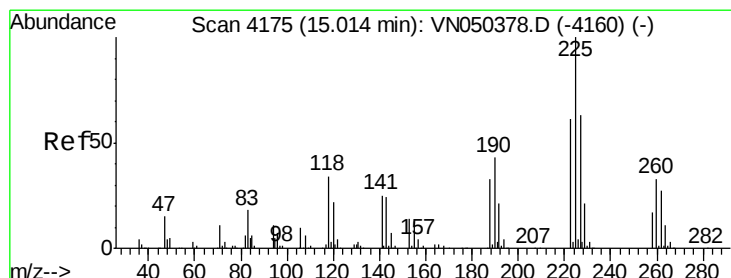
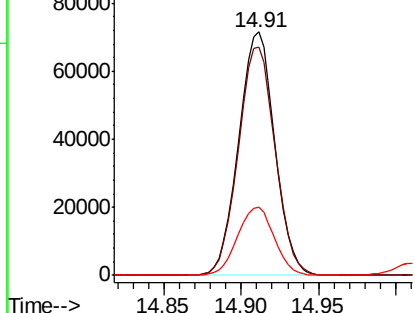
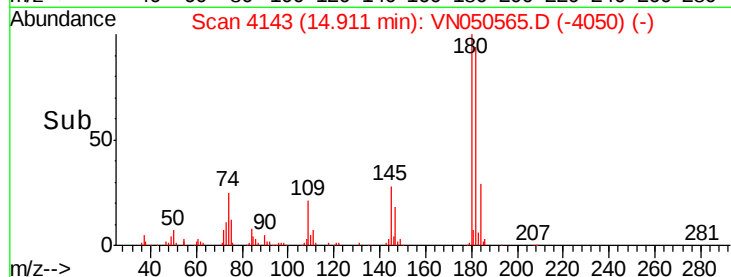
Tot Ion:	180	Resp:	116021
Ion Ratio	Lower	Upper	
180	100		
182	95.7	46.7	140.1
145	28.5	13.8	41.4

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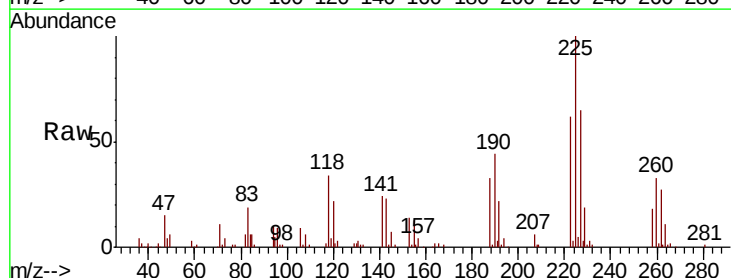


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

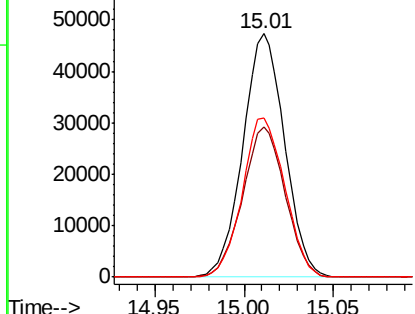
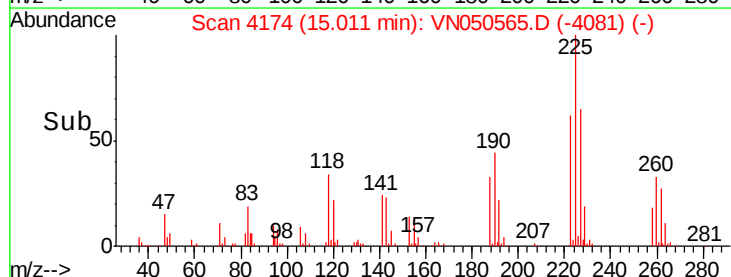


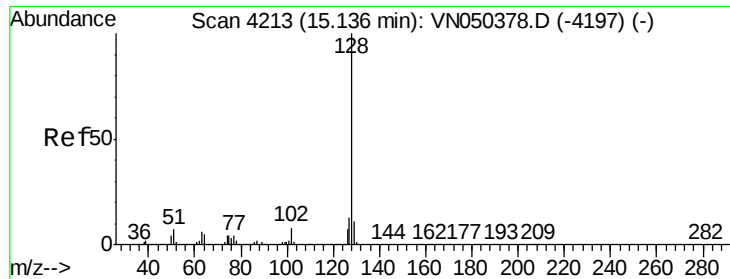
#94
 Hexachlorobutadiene
 Concen: 19.41 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050565.D
 Acq: 13 Aug 2018 13:54

Tgt Ion:	225	Resp:	77511
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.4	94.2
227	66.5	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





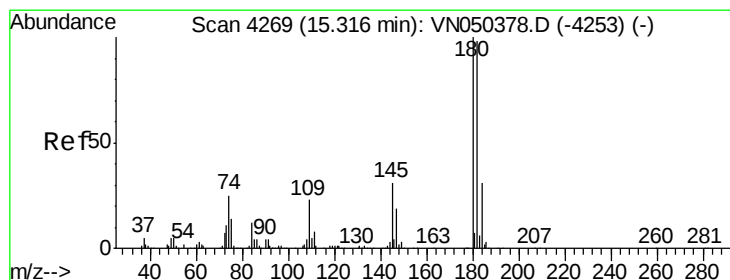
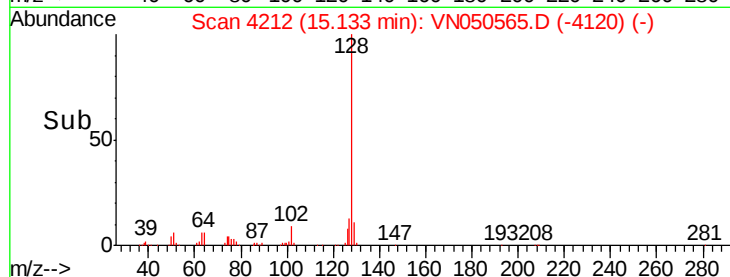
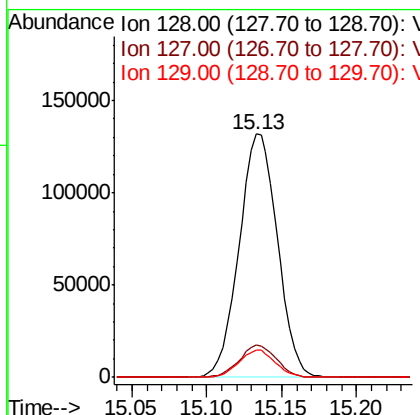
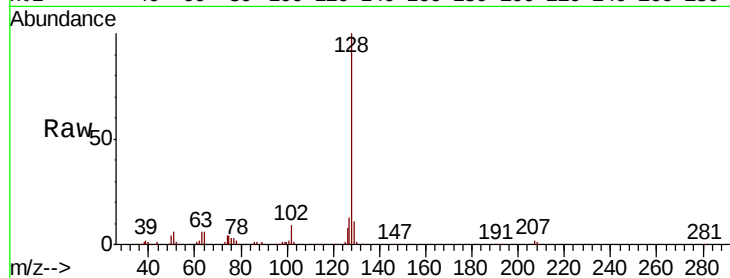
#95
Naphthalene
Concen: 15.46 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	234992		
127	13.0		10.4	15.6
129	10.7		8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 16.28 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050565.D
Acq: 13 Aug 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114410		
182	96.7		48.1	144.4
145	31.0		15.3	45.9

