

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050534.D
 Acq On : 10 Aug 2018 22:48
 Operator : MD\SY
 Sample : VN0810WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/13/2018 11:05:51 AM

Quant Time: Aug 11 05:28:45 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	621183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	917831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	820755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	415549	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	402849	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
35) Dibromofluoromethane	7.59	113	371023	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	10.09	98	1343951	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.40	95	432521	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	124852	18.11	ug/l	99
3) Chloromethane	2.06	50	161071	18.86	ug/l	99
4) Vinyl Chloride	2.18	62	172223	19.30	ug/l	98
5) Bromomethane	2.56	94	96297	22.35	ug/l	97
6) Chloroethane	2.70	64	105572	19.20	ug/l	99
7) Trichlorofluoromethane	3.01	101	227770	19.76	ug/l	100
8) Diethyl Ether	3.41	74	80650	19.08	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	141640	19.88	ug/l	99
10) Methyl Iodide	3.95	142	71845	22.89	ug/l	97
11) Tert butyl alcohol	4.80	59	49324	73.98	ug/l	98
12) 1,1-Dichloroethene	3.73	96	128884	19.19	ug/l	98
13) Acrolein	3.61	56	34998	52.95	ug/l	97
14) Allyl chloride	4.33	41	196243	18.20	ug/l	97
15) Acrylonitrile	5.00	53	247367	88.57	ug/l	99
16) Acetone	3.82	43	220388	88.81	ug/l	99
17) Carbon Disulfide	4.05	76	370483	16.97	ug/l	99
18) Methyl Acetate	4.33	43	132079	20.42	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	356144	18.68	ug/l	99
20) Methylene Chloride	4.55	84	154743	19.50	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	141044	19.41	ug/l	99
22) Diisopropyl ether	5.96	45	448719	20.37	ug/l	97
23) Vinyl Acetate	5.90	43	1456583	92.66	ug/l	99
24) 1,1-Dichloroethane	5.85	63	272163	20.13	ug/l	100
25) 2-Butanone	6.84	43	342272	83.22	ug/l	97
26) 2,2-Dichloropropane	6.83	77	168439	15.11	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	157390	19.54	ug/l	97
28) Bromochloromethane	7.20	49	129265	20.77	ug/l	99
29) Tetrahydrofuran	7.22	42	184771	83.94	ug/l	99
30) Chloroform	7.37	83	273761	20.26	ug/l	99
31) Cyclohexane	7.66	56	222778	18.33	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	229248	19.75	ug/l	98
36) 1,1-Dichloropropene	7.80	75	197581	19.59	ug/l	99
37) Ethyl Acetate	6.93	43	129204	17.79	ug/l	100
38) Carbon Tetrachloride	7.78	117	204321	19.42	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	191805	17.42	ug/l	98
40) Benzene	8.05	78	612874	19.77	ug/l	99
41) Methacrylonitrile	7.18	41	69631	18.03	ug/l #	75
42) 1,2-Dichloroethane	8.13	62	194689	19.78	ug/l	99
43) Isopropyl Acetate	8.17	43	236421	18.86	ug/l	98
44) Trichloroethene	8.84	130	157587	18.92	ug/l	99
45) 1,2-Dichloropropane	9.12	63	164432	20.17	ug/l	98
46) Dibromomethane	9.21	93	97447	19.36	ug/l	99
47) Bromodichloromethane	9.40	83	205896	19.75	ug/l	100
48) Methyl methacrylate	9.20	41	110290	17.55	ug/l	99
49) 1,4-Dioxane	9.20	88	30219	312.00	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	796943	88.27	ug/l	100
52) Toluene	10.16	92	369556	19.84	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	185138	17.69	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	224820	19.24	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	140244	19.29	ug/l	98
56) Ethyl methacrylate	10.43	69	164671	17.17	ug/l	98
57) 1,3-Dichloropropane	10.71	76	229710	19.25	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	394517	87.22	ug/l	99
59) 2-Hexanone	10.75	43	514453	81.64	ug/l	99
60) Dibromochloromethane	10.90	129	154827	19.33	ug/l	99
61) 1,2-Dibromoethane	11.01	107	133651	18.65	ug/l	98
64) Tetrachloroethene	10.63	164	151693	19.78	ug/l	98
65) Chlorobenzene	11.44	112	397078	19.30	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	151480	20.23	ug/l	99
67) Ethyl Benzene	11.51	91	650660	19.56	ug/l	99
68) m/p-Xylenes	11.62	106	511309	40.38	ug/l	100
69) o-Xylene	11.95	106	239864	19.67	ug/l	99
70) Styrene	11.97	104	396330	19.98	ug/l	99
71) Bromoform	12.13	173	100778	18.41	ug/l #	98
73) Isopropylbenzene	12.25	105	638563	20.47	ug/l	100
74) N-amyl acetate	12.07	43	177573	17.56	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	175749	19.53	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	141021m	18.75	ug/l	
77) Bromobenzene	12.53	156	169124	20.24	ug/l	99
78) n-propylbenzene	12.59	91	724091	20.51	ug/l	100
79) 2-Chlorotoluene	12.68	91	445092	20.41	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	522464	20.63	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35178	16.43	ug/l	97
82) 4-Chlorotoluene	12.77	91	441769	20.31	ug/l	98
83) tert-Butylbenzene	12.99	119	446968	20.23	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	538587	21.00	ug/l	100
85) sec-Butylbenzene	13.17	105	587908	19.97	ug/l	100
86) p-Isopropyltoluene	13.29	119	502321	19.91	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	292993	19.68	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	284053	19.11	ug/l	98
89) n-Butylbenzene	13.62	91	379420	17.66	ug/l	99
90) Hexachloroethane	13.88	117	88588	19.74	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	290767	19.49	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24661	16.14	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	130996	17.24	ug/l	99
94) Hexachlorobutadiene	15.01	225	83286	19.05	ug/l	99
95) Naphthalene	15.13	128	259959	15.60	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	128524	16.73	ug/l	99

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

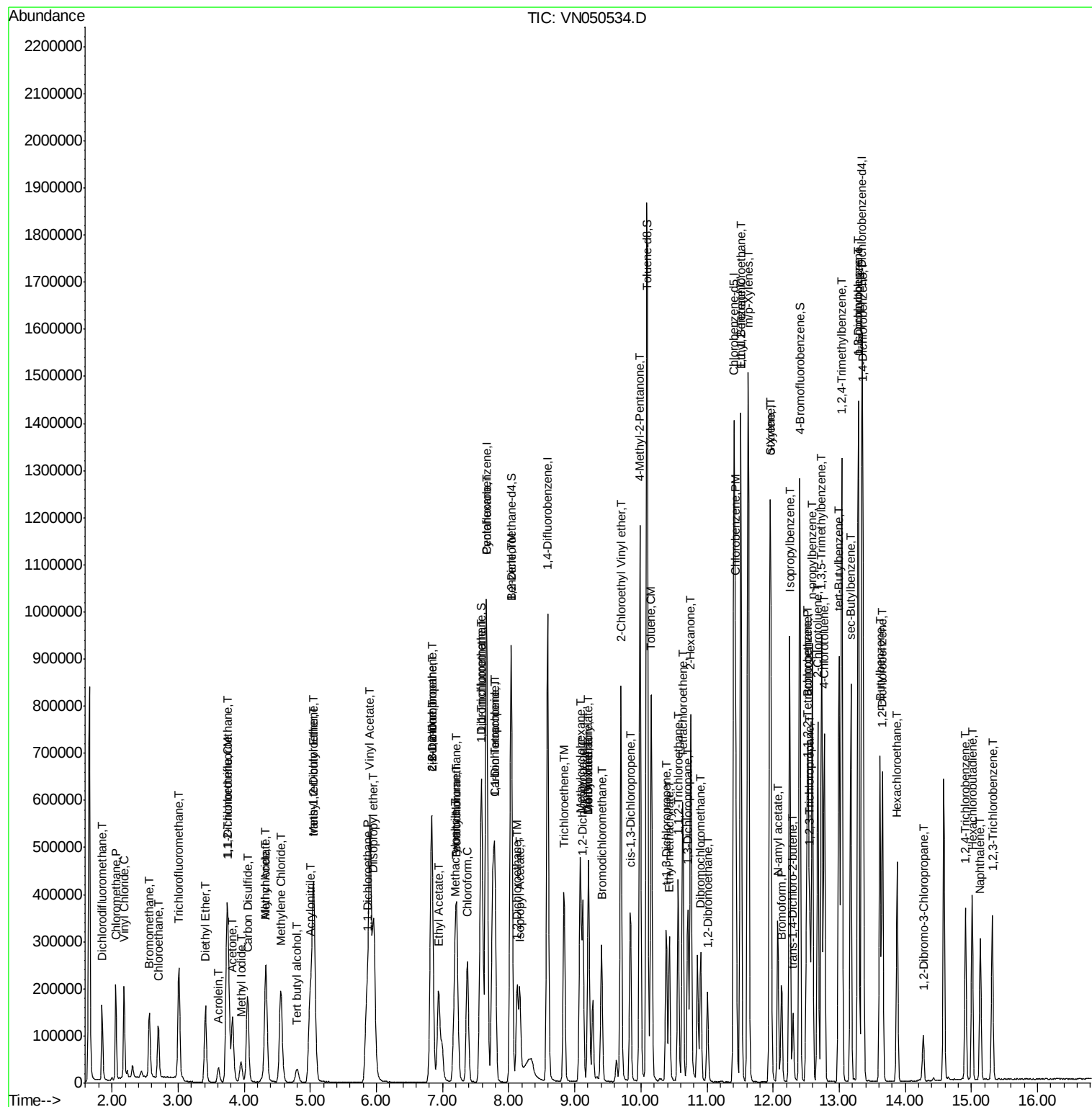
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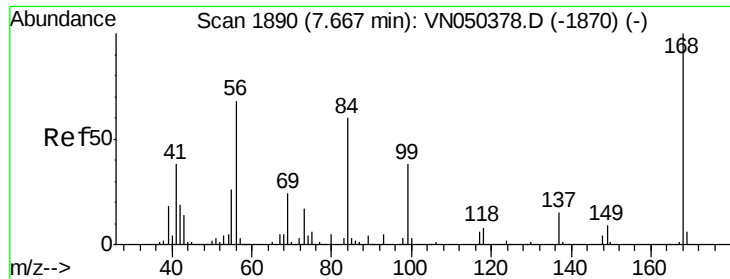
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

Tot Ion:168 Resp: 621183

Ion Ratio Lower Upper

168 100

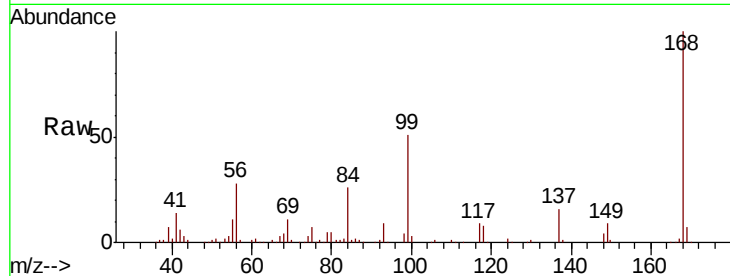
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Manual Integrations

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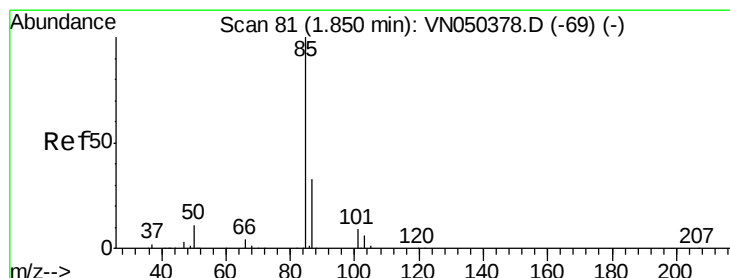
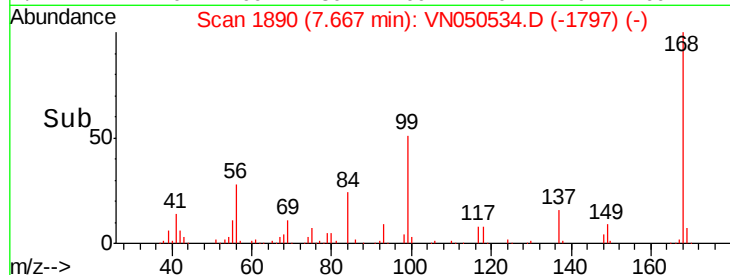
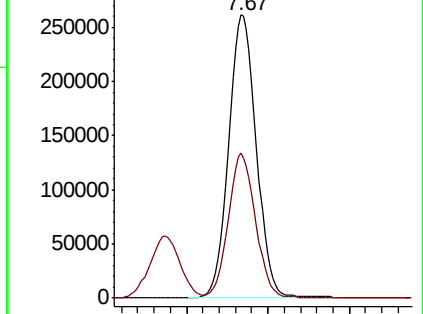
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.11 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050534.D

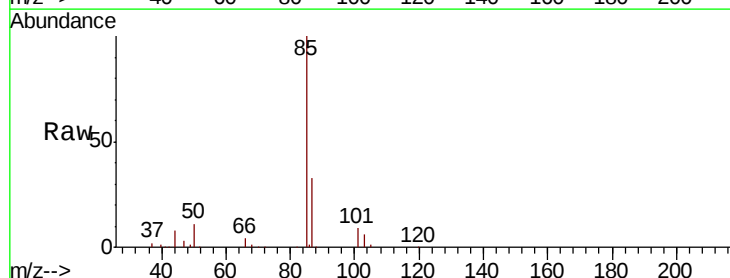
Acq: 10 Aug 2018 22:48

Tgt Ion: 85 Resp: 124852

Ion Ratio Lower Upper

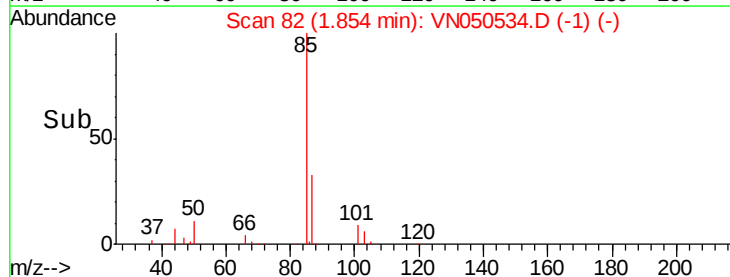
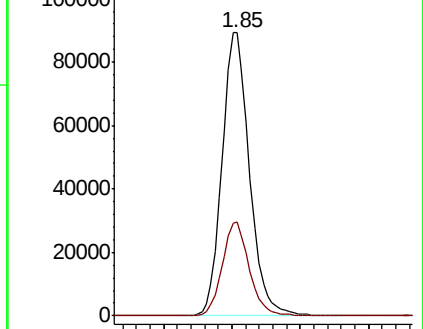
85 100

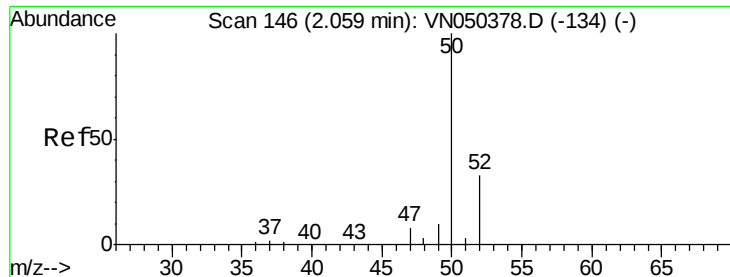
87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.86 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

Tot Ion: 50 Resp: 161071

Ion Ratio Lower Upper

50 100

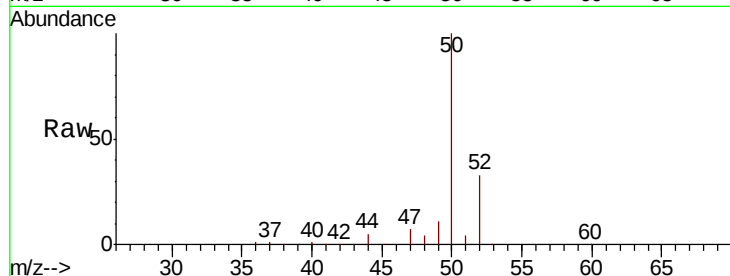
52 32.9 25.9 38.9

Manual Integrations

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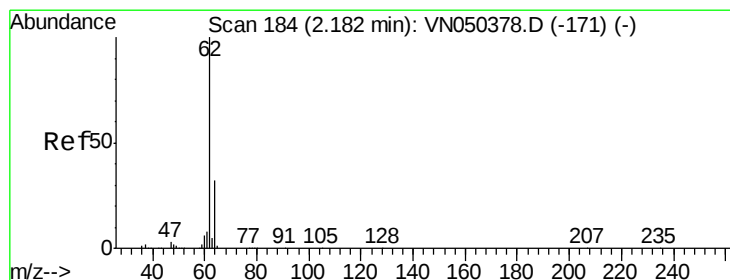
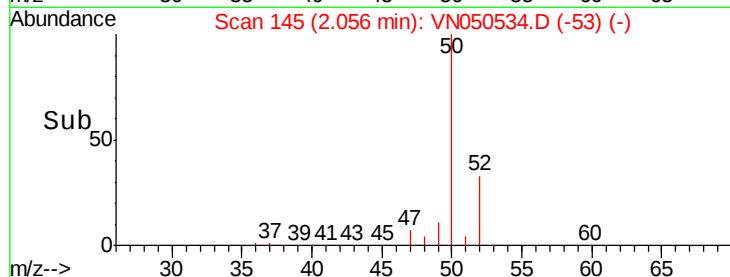
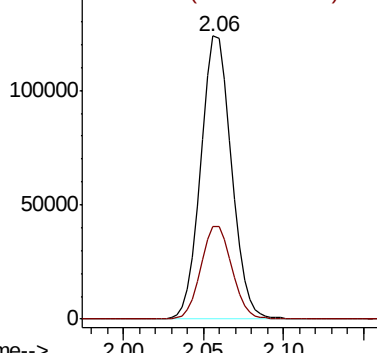
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.30 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050534.D

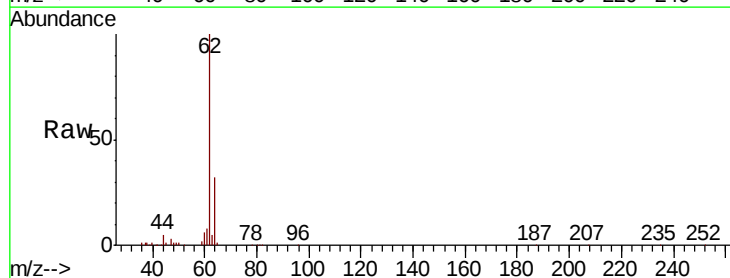
Acq: 10 Aug 2018 22:48

Tgt Ion: 62 Resp: 172223

Ion Ratio Lower Upper

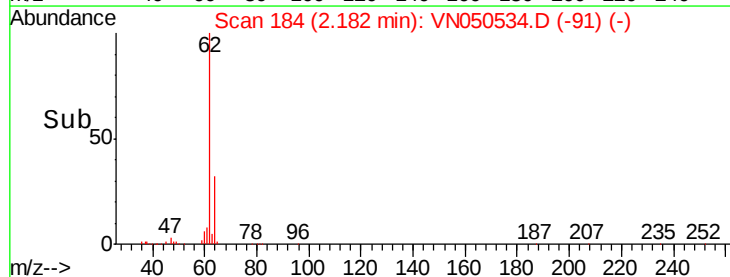
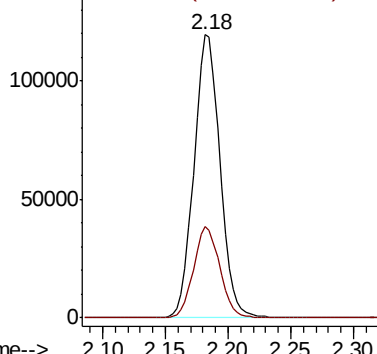
62 100

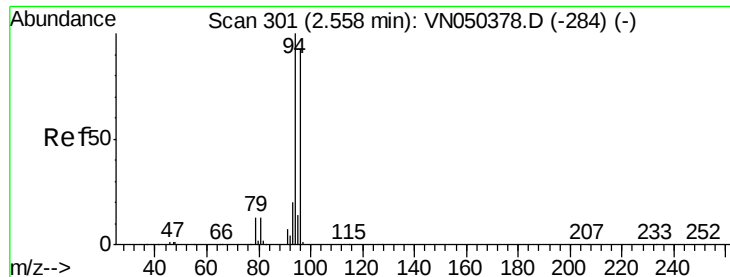
64 32.1 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 22.35 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050534.D

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Tot Ion: 94 Resp: 96297

Ion Ratio Lower Upper

94 100

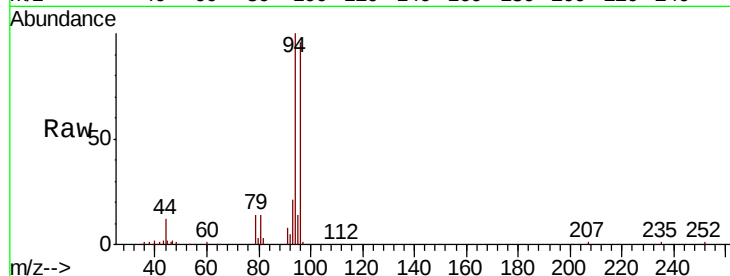
96 96.0 74.6 112.0

Manual Integrations

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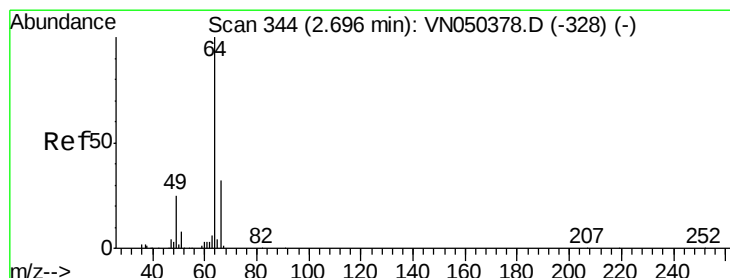
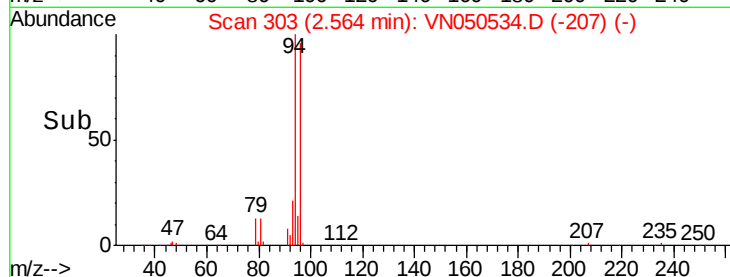
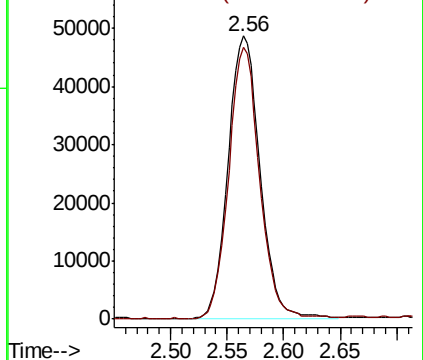
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.20 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050534.D

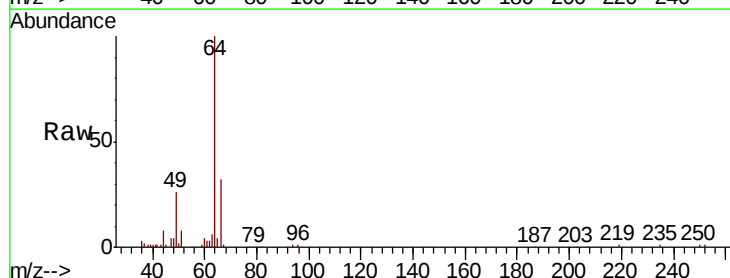
Acq: 10 Aug 2018 22:48

Tgt Ion: 64 Resp: 105572

Ion Ratio Lower Upper

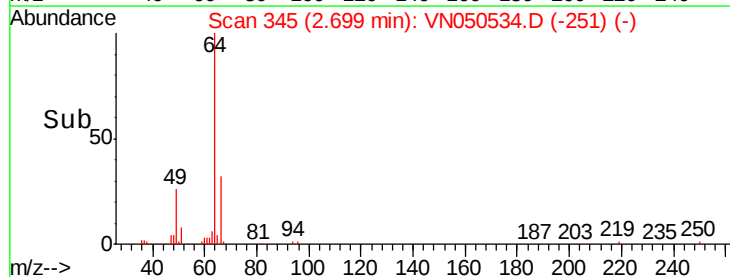
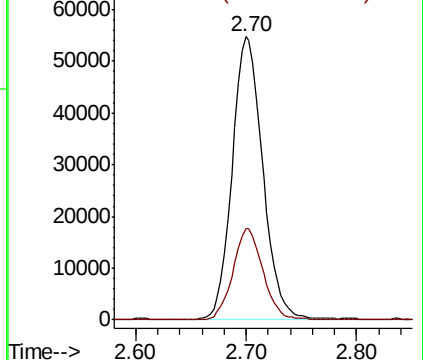
64 100

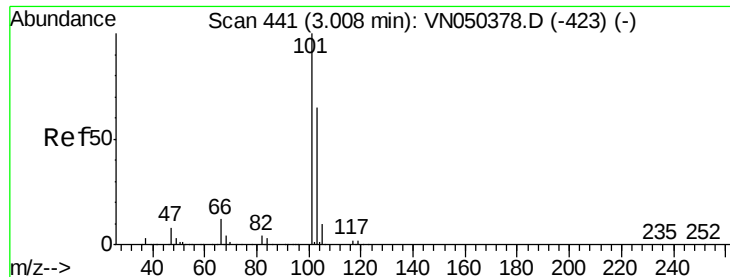
66 32.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

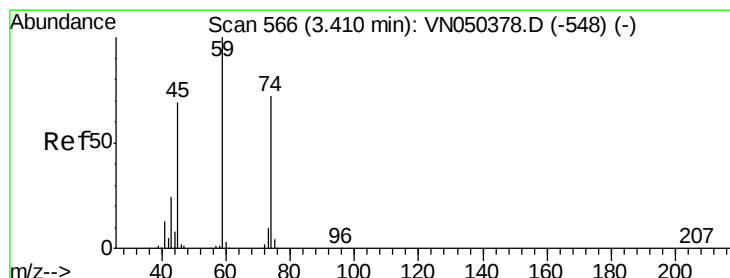
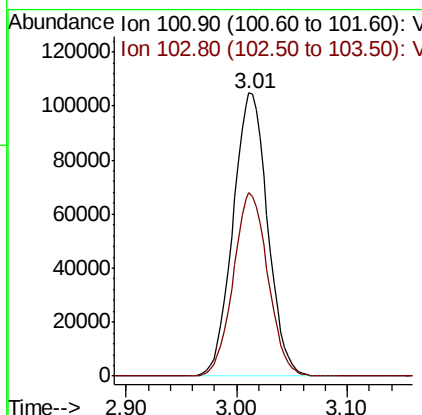
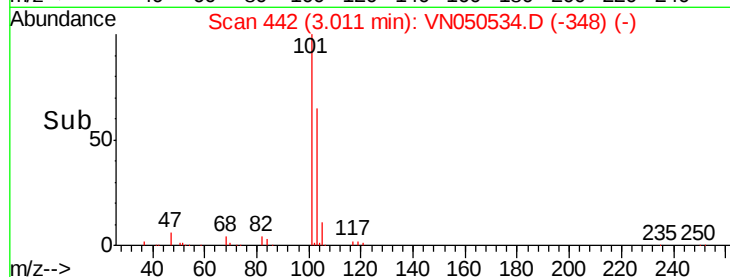
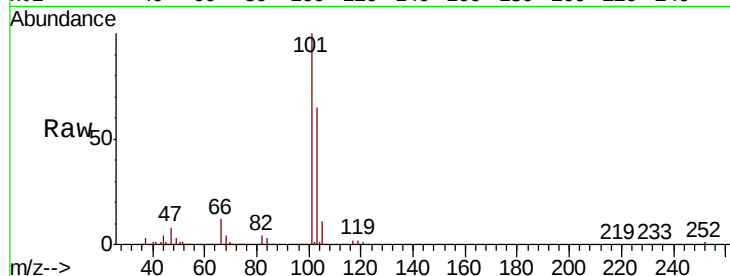
Trichlorofluoromethane
 Concen: 19.76 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Instrument :
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 VN0810WBS02

Tot Ion	Ion	Ratio	Lower	Upper
227770	101	100		
	103	64.7	51.7	77.5

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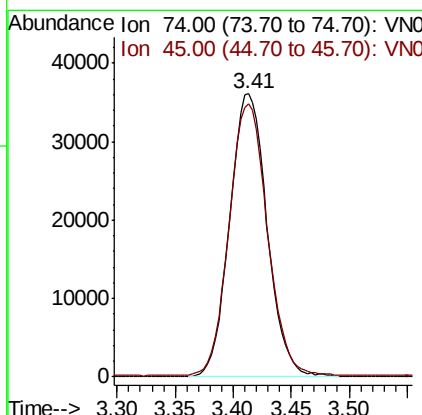
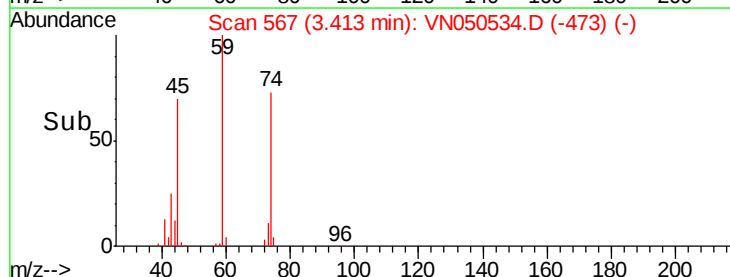
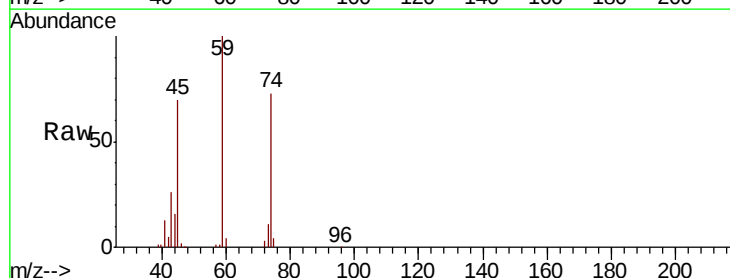
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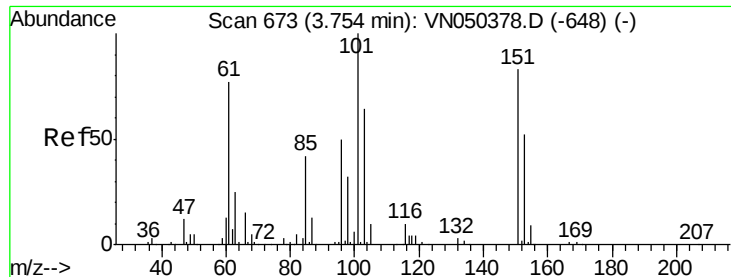


#8

Diethyl Ether
 Concen: 19.08 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Tgt Ion	Ion	Ratio	Lower	Upper
80650	74	100		
	45	98.1	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.88 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

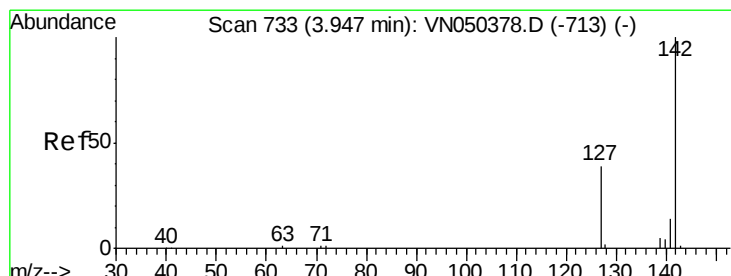
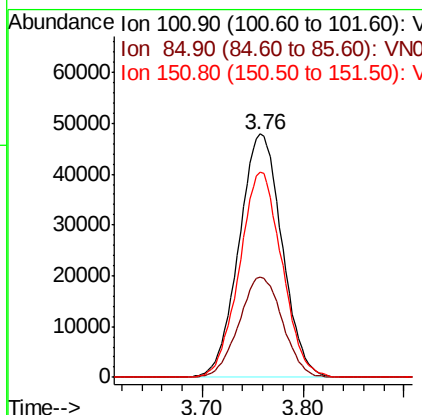
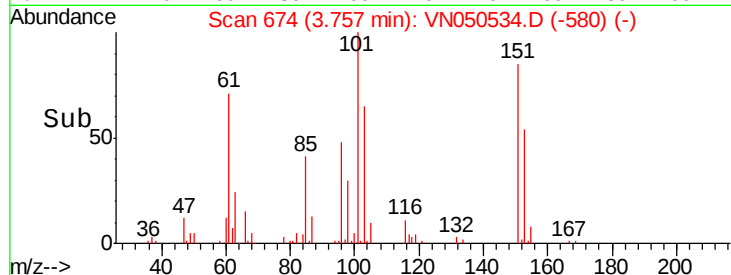
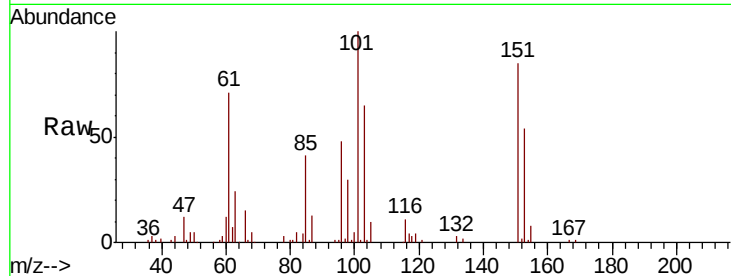
ClientSampleId :

VN0810WBS02

Tot Ion:	101	Resp:	141640
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.2	51.2
151	83.5	66.3	99.5

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#10

Methyl Iodide

Concen: 22.89 ug/l

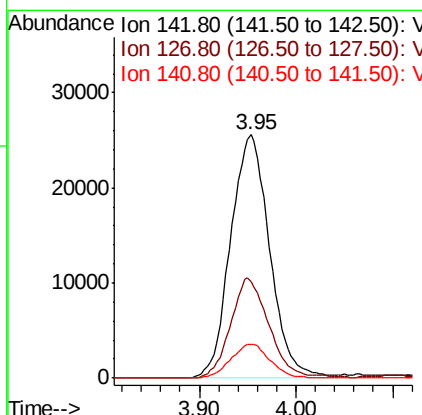
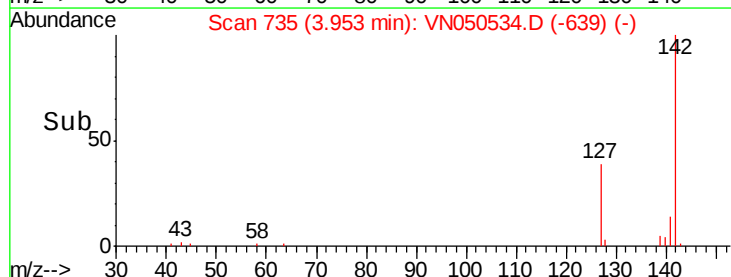
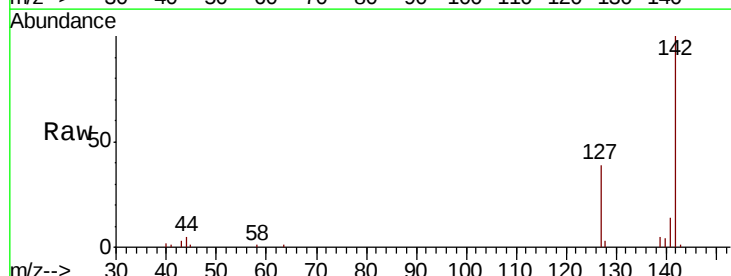
RT: 3.95 min Scan# 735

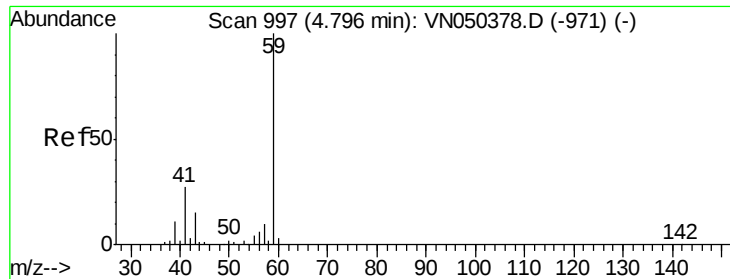
Delta R.T. 0.01 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Tgt Ion:	142	Resp:	71845
Ion Ratio	Lower	Upper	
142	100		
127	39.9	33.4	50.2
141	14.0	11.6	17.4





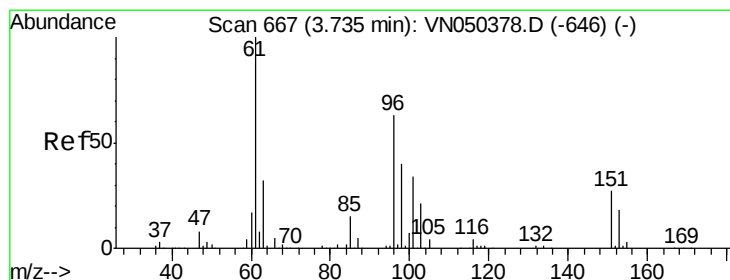
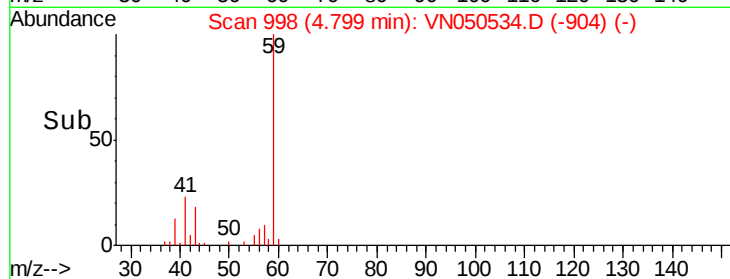
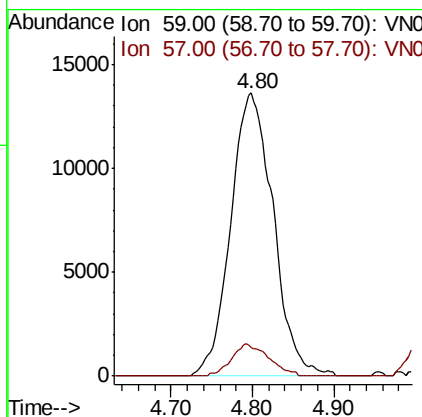
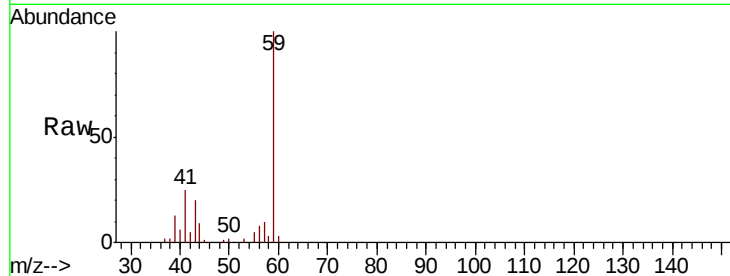
#11
Tert butyl alcohol
Concen: 73.98 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Instrument :
MSVOA_N
ClientSampled :
VN0810WBS02

Tot Ion: 59 Resp: 49324
Ion Ratio Lower Upper
59 100
57 10.0 8.5 12.7

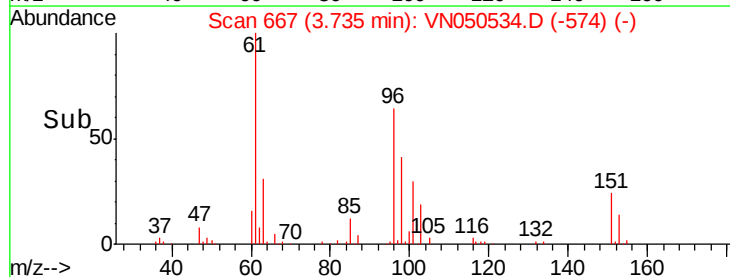
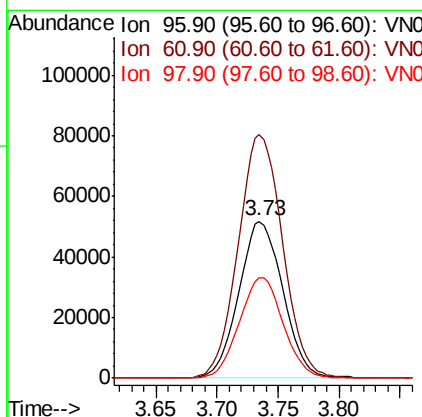
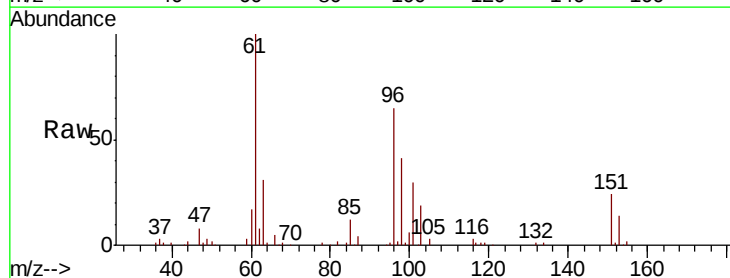
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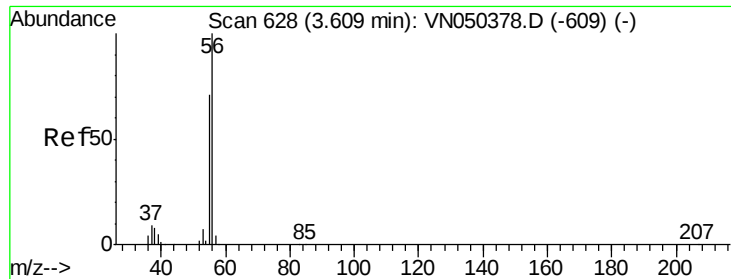
MMDadoda
8/13/2018 11:05:51 AM



#12
1,1-Dichloroethene
Concen: 19.19 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion: 96 Resp: 128884
Ion Ratio Lower Upper
96 100
61 155.0 124.4 186.6
98 63.9 48.3 72.5





#13

Acrolein

Concen: 52.95 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

Tot Ion: 56 Resp: 34998

Ion Ratio Lower Upper

56 100

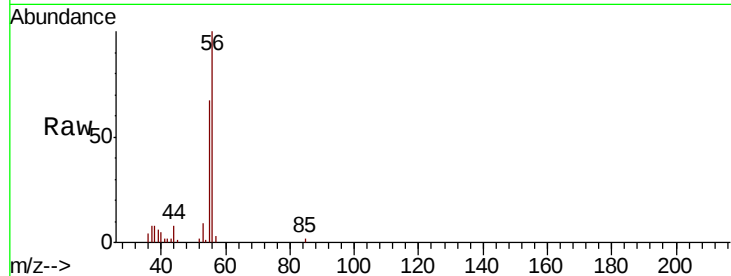
55 72.1 55.8 83.6

Manual Integrations

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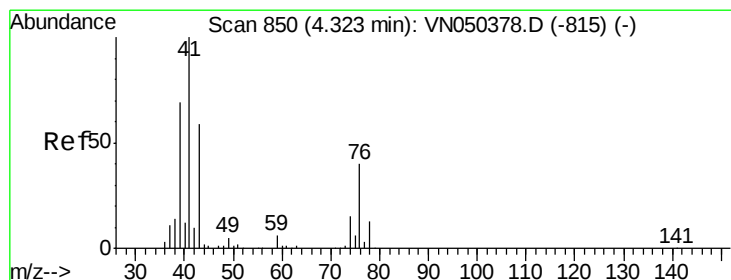
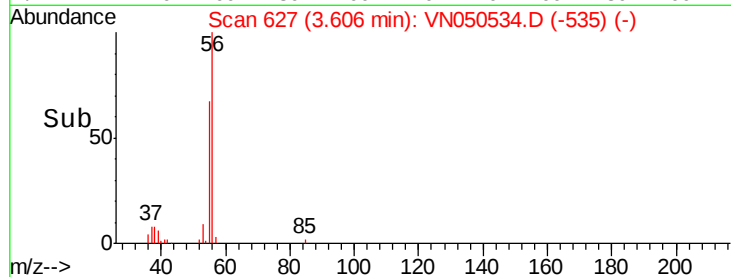
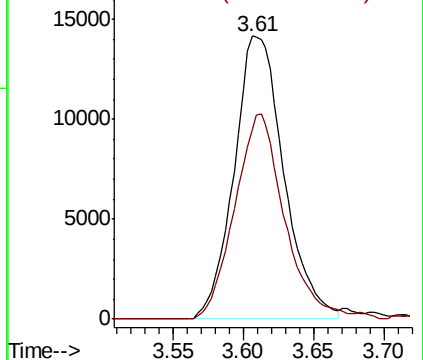
MMDadoda

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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: 18.20 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

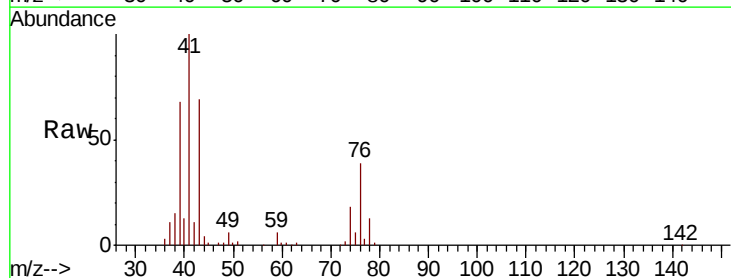
Tgt Ion: 41 Resp: 196243

Ion Ratio Lower Upper

41 100

39 63.9 54.2 81.4

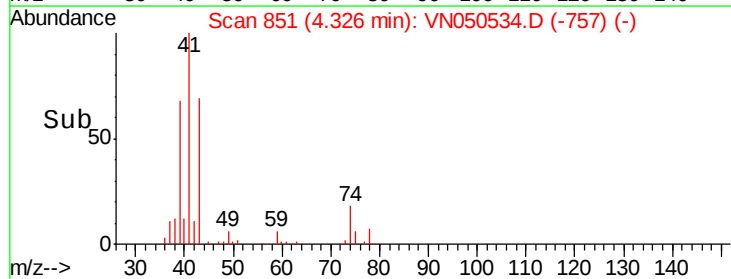
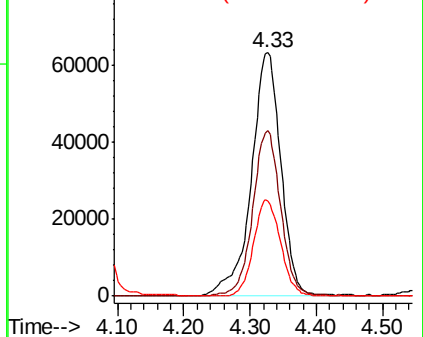
76 36.1 29.0 43.6

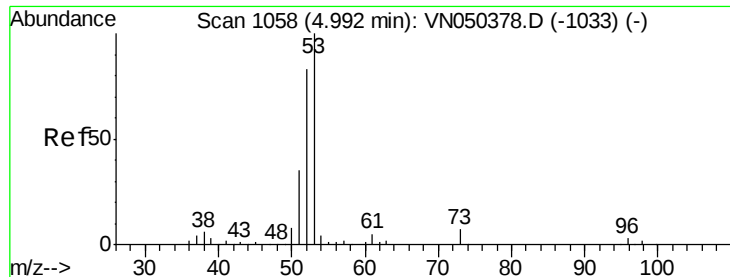


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





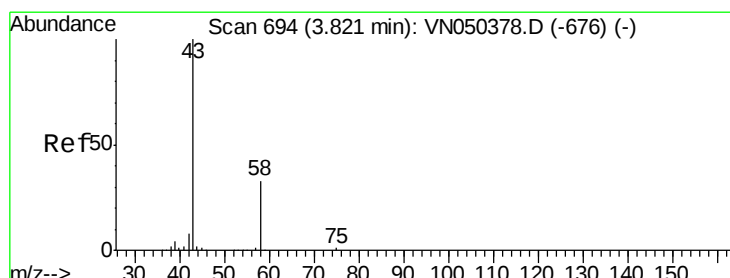
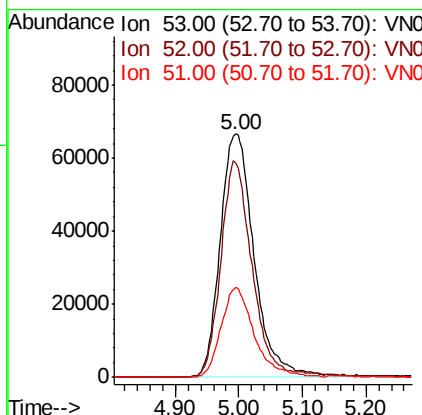
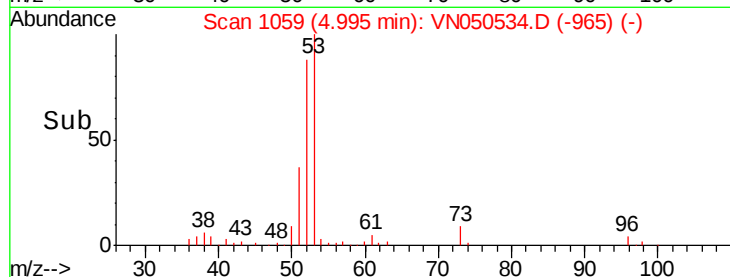
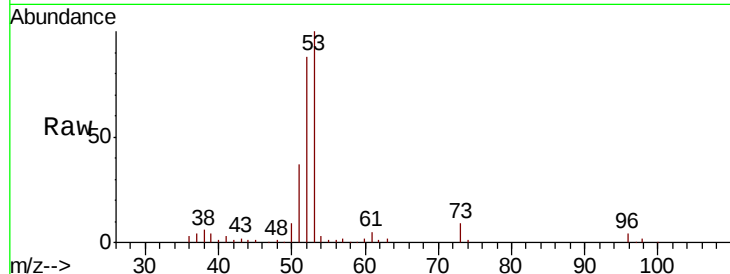
#15
 Acrylonitrile
 Concen: 88.57 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.2	99.2
51	35.9	29.3	43.9

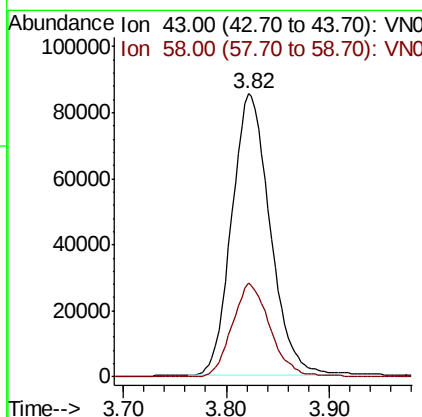
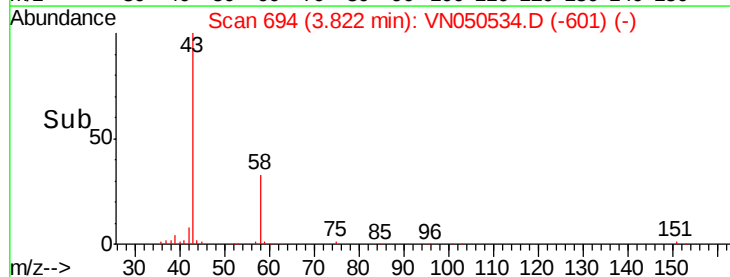
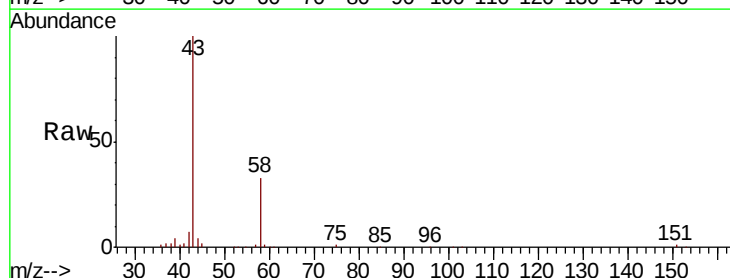
Manual Integrations
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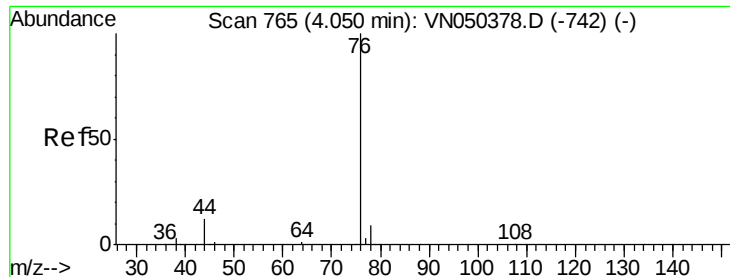
MMDadoda
 8/13/2018 11:05:51 AM



#16
 Acetone
 Concen: 88.81 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.0	25.8	38.8





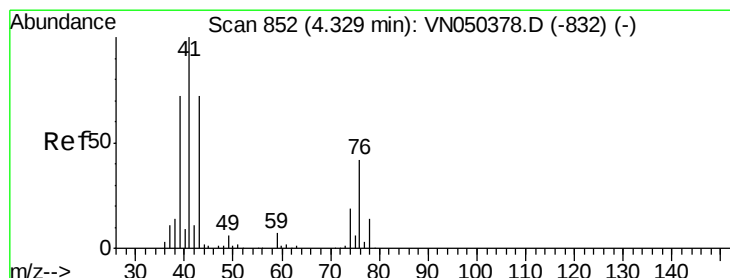
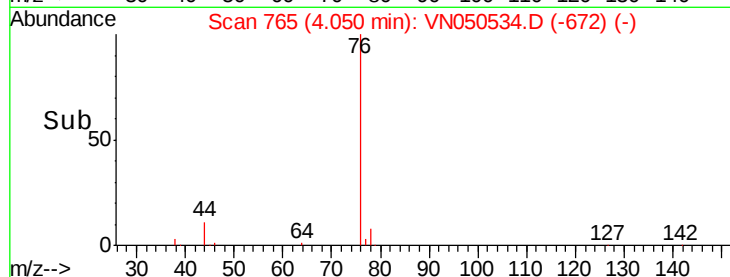
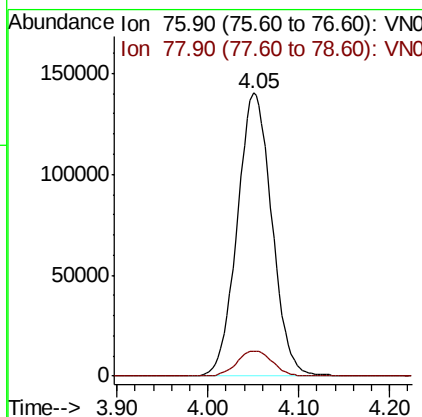
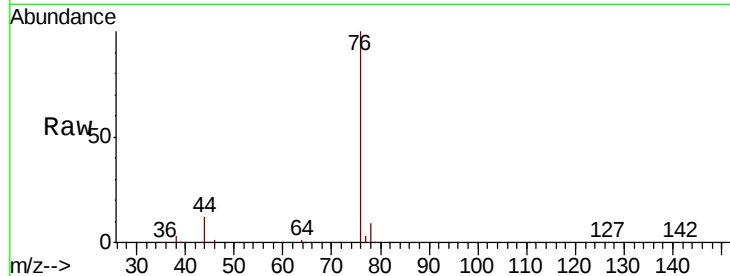
#17
Carbon Disulfide
Concen: 16.97 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

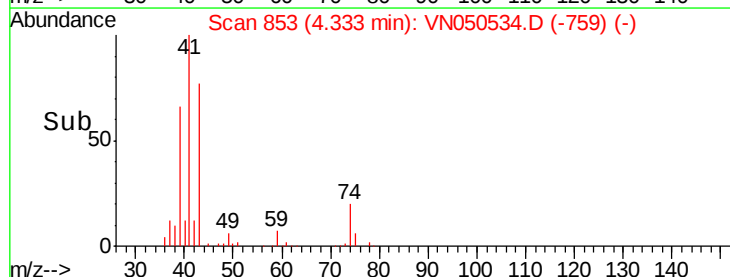
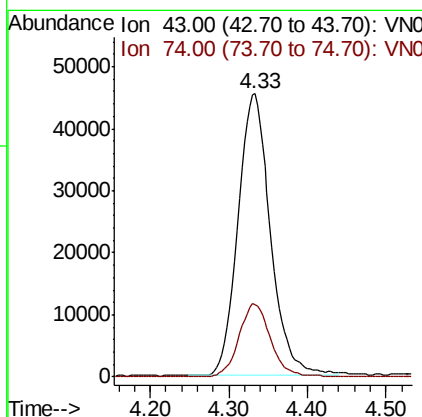
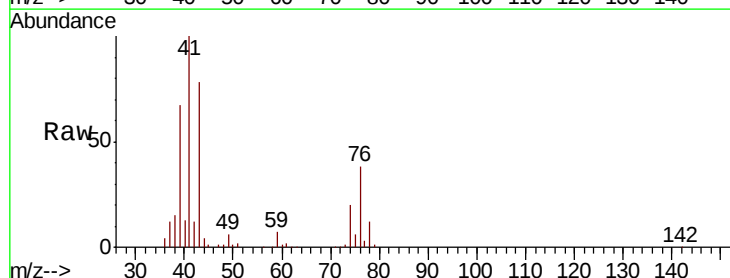
Manual Integrations
APPROVED

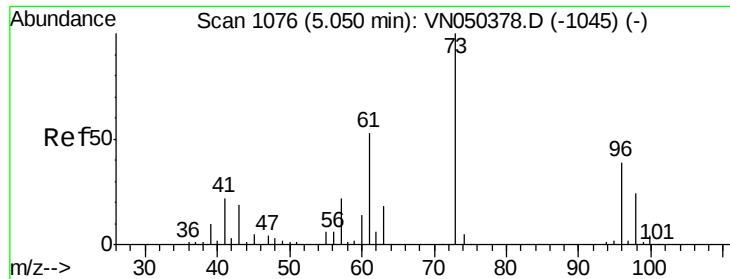
MMDadoda
8/13/2018 11:05:51 AM



#18
Methyl Acetate
Concen: 20.42 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.2	28.8





#19

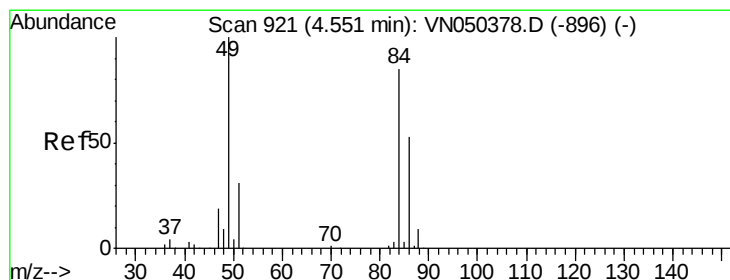
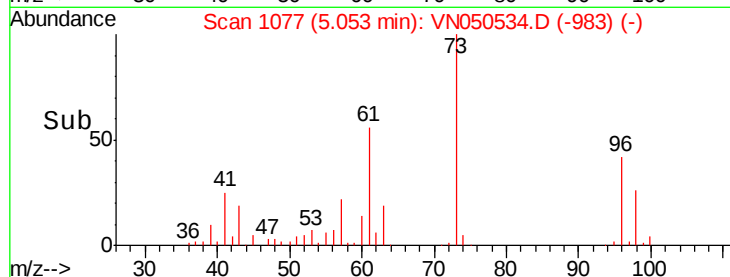
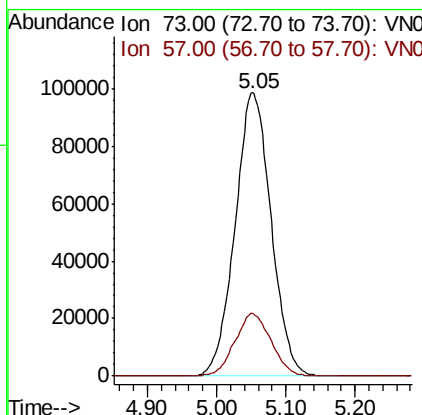
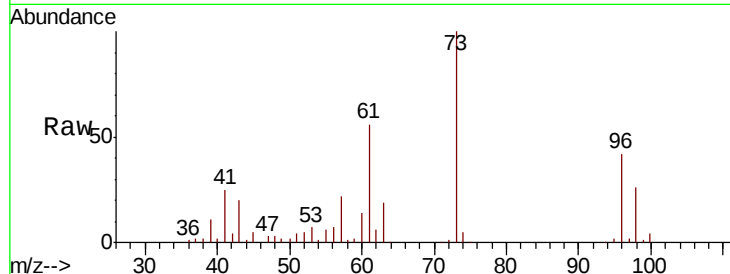
Methyl tert-butyl Ether
 Concen: 18.68 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0810WBS02

Tot Ion: 73 Resp: 356144
 Ion Ratio Lower Upper
 73 100
 57 22.0 18.0 27.0

Manual Integrations
 APPROVED

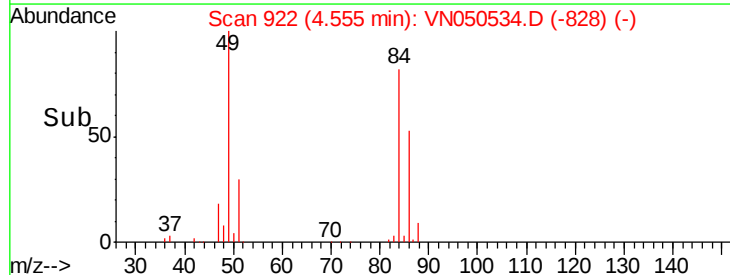
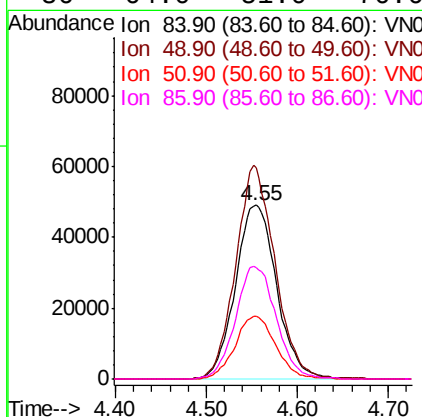
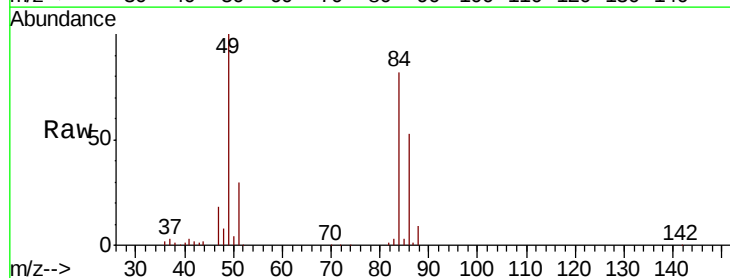
MMDadoda
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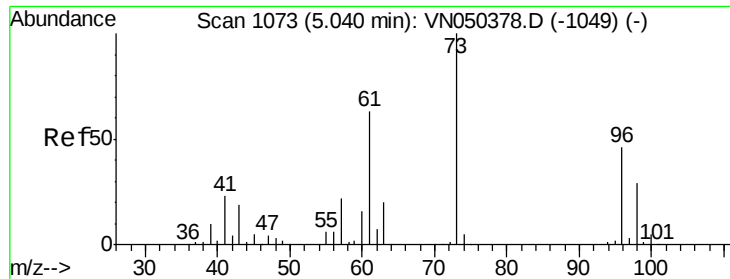


#20

Methylene Chloride
 Concen: 19.50 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Tgt Ion: 84 Resp: 154743
 Ion Ratio Lower Upper
 84 100
 49 121.5 94.8 142.2
 51 36.4 28.3 42.5
 86 64.0 51.0 76.6





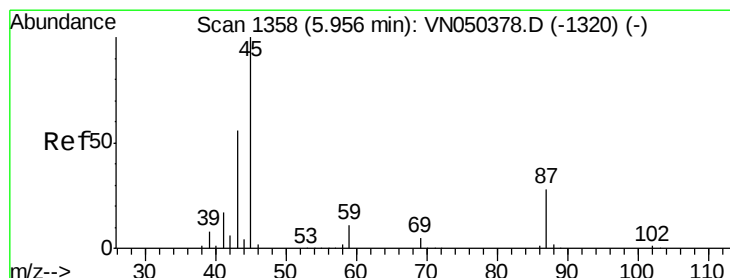
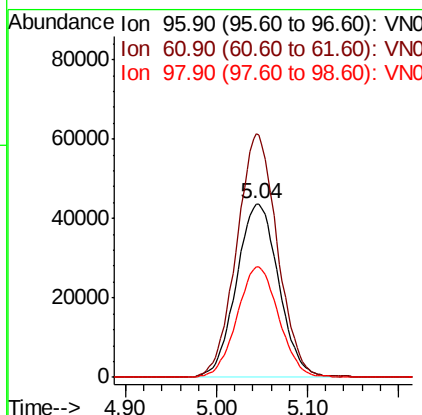
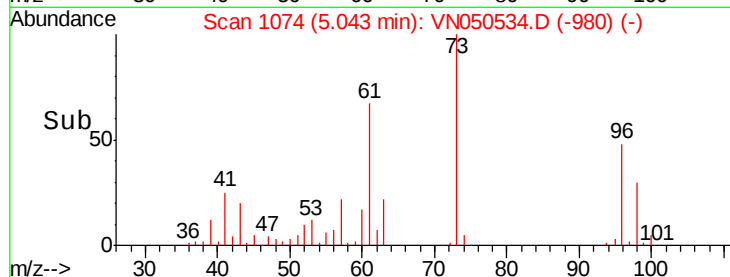
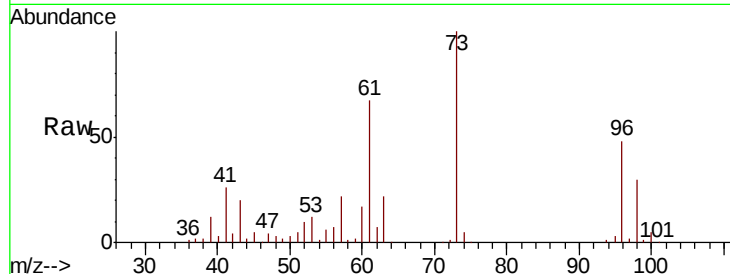
#21
trans-1,2-Dichloroethene
Concen: 19.41 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Instrument :
MSVOA_N
ClientSampled :
VN0810WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.1	110.7	166.1
98	63.4	51.6	77.4

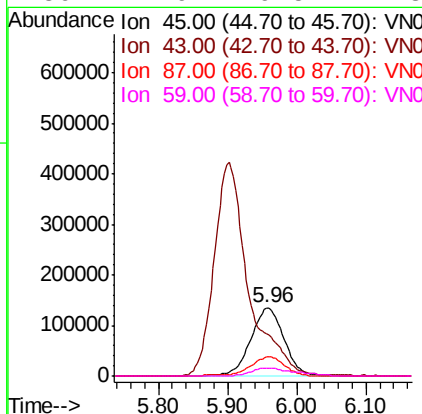
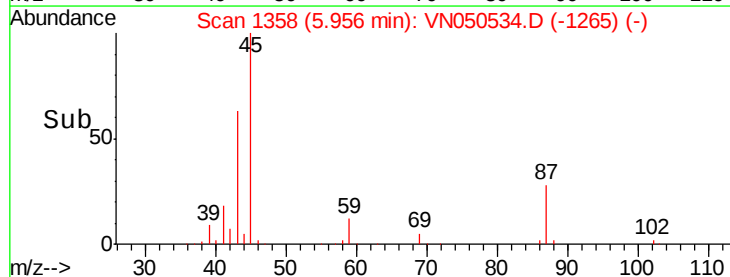
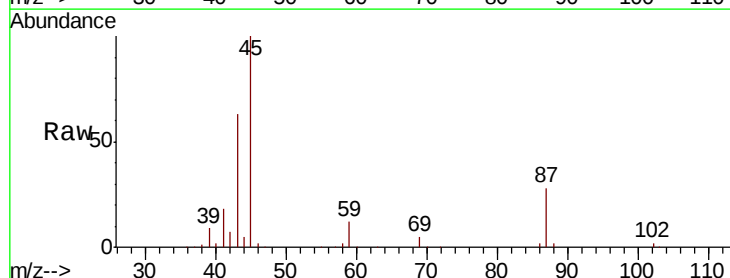
Manual Integrations
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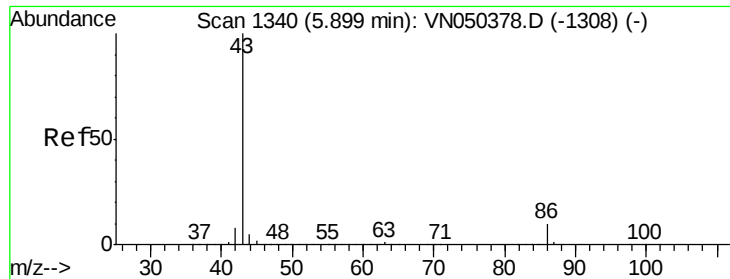
MMDadoda
8/13/2018 11:05:51 AM



#22
Diisopropyl ether
Concen: 20.37 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.0	45.7	68.5
87	27.8	22.7	34.1
59	11.9	9.5	14.3





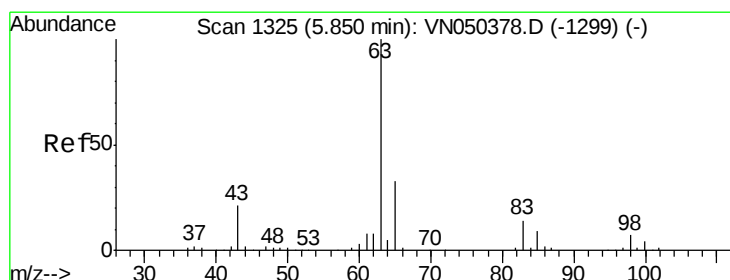
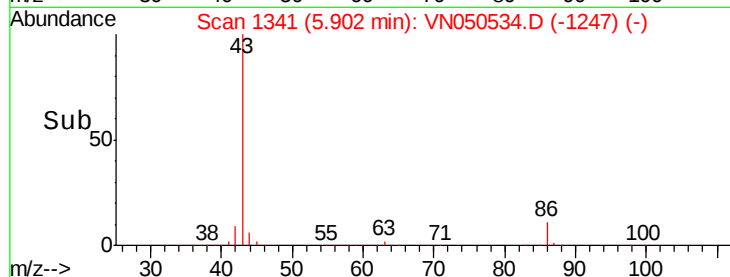
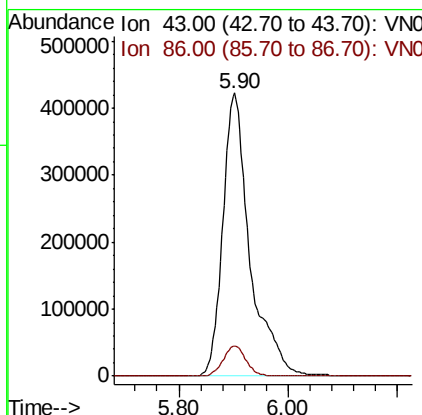
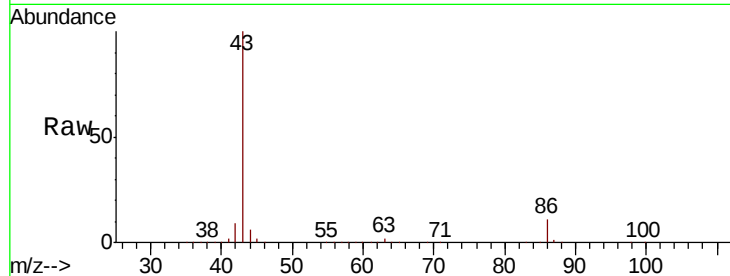
#23
 Vinyl Acetate
 Concen: 92.66 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS02

Tot Ion: 43 Resp: 1456583
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.6 13.0

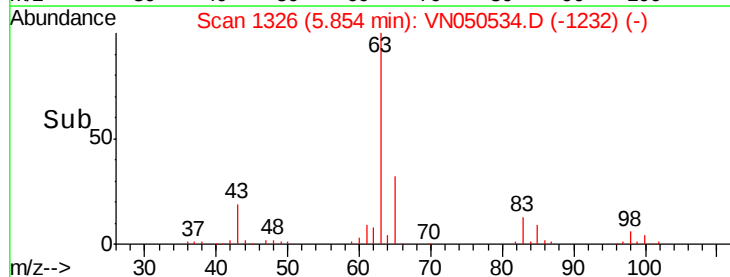
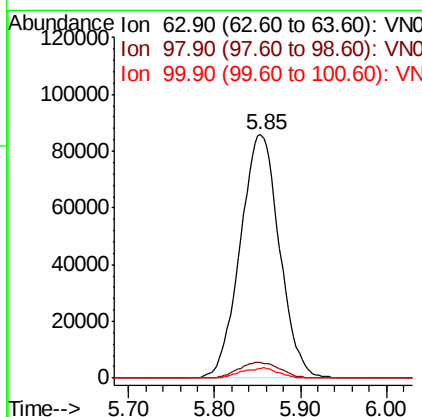
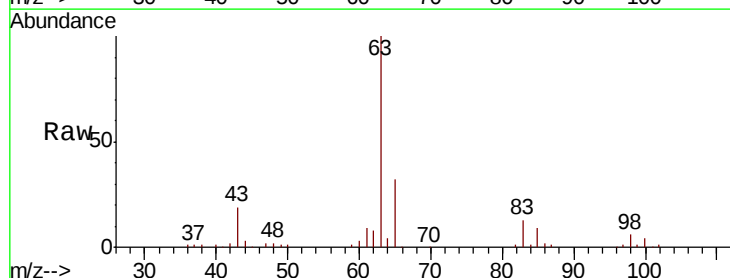
Manual Integrations
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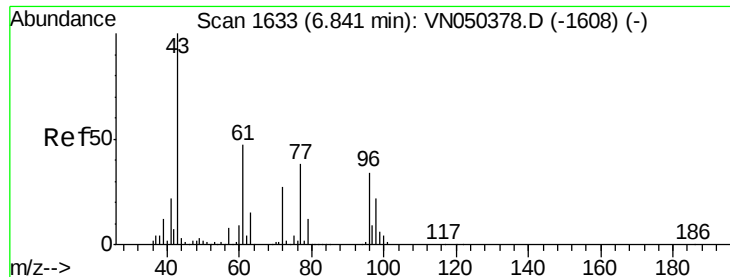
MMDadoda
 8/13/2018 11:05:51 AM



#24
 1,1-Dichloroethane
 Concen: 20.13 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Tgt Ion: 63 Resp: 272163
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.8
 100 4.0 2.1 6.3





#25

2-Butanone

Concen: 83.22 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampled :

VN0810WBS02

Tot Ion: 43 Resp: 342272

Ion Ratio Lower Upper

43 100

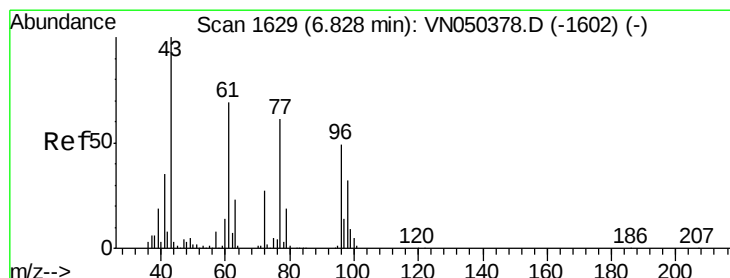
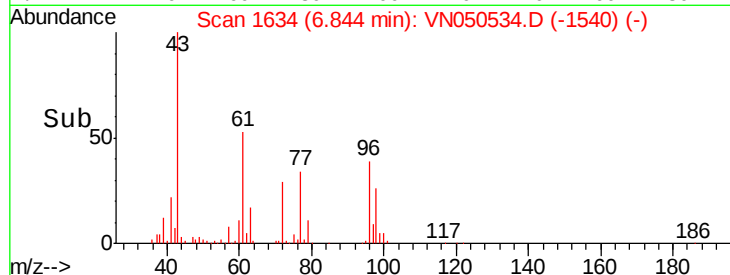
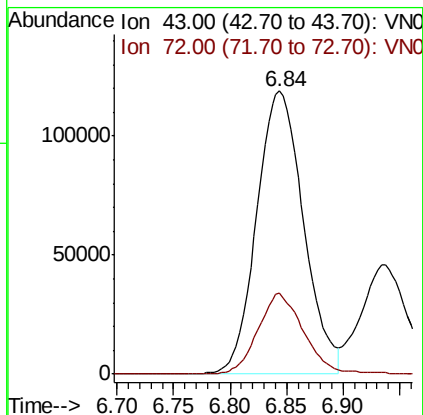
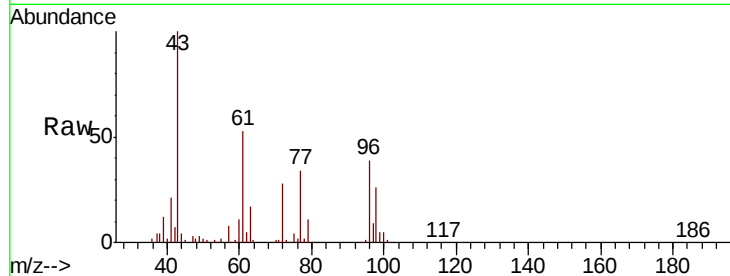
72 28.5 21.5 32.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 15.11 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050534.D

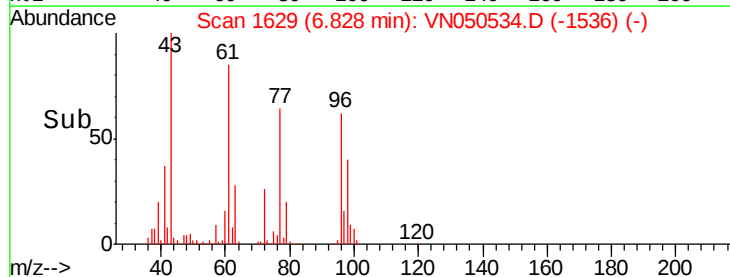
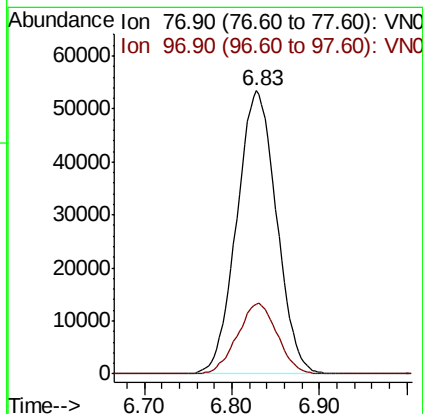
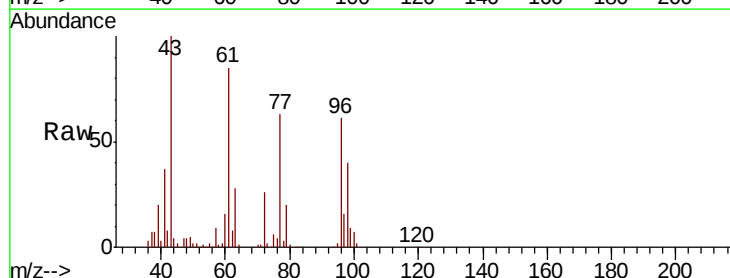
Acq: 10 Aug 2018 22:48

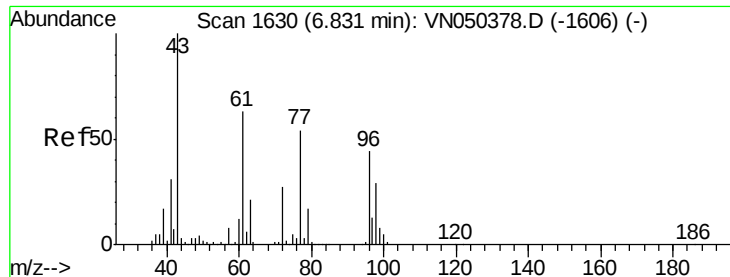
Tgt Ion: 77 Resp: 168439

Ion Ratio Lower Upper

77 100

97 24.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.54 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050534.D

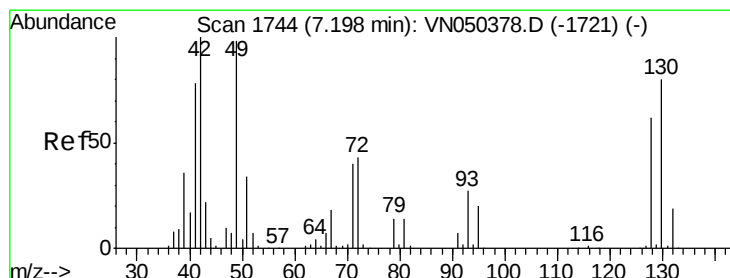
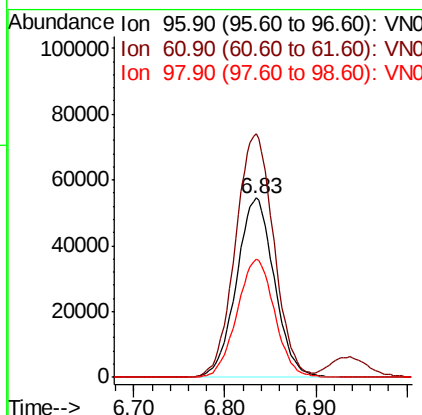
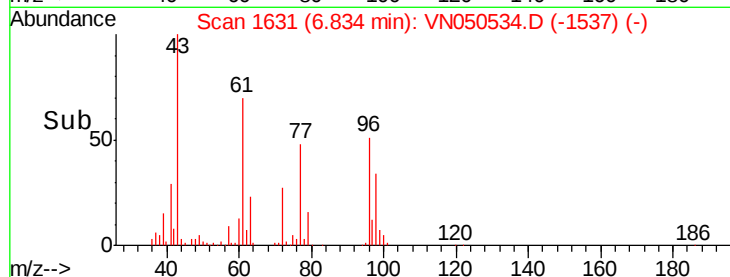
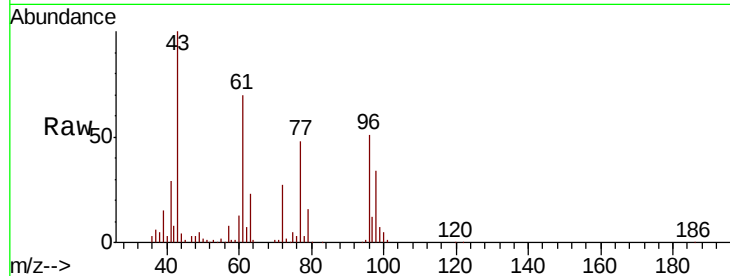
Acq: 10 Aug 2018 22:48

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	157390		
61	137.8	0.0	285.0	
98	65.4	0.0	129.2	

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#28

Bromochloromethane

Concen: 20.77 ug/l

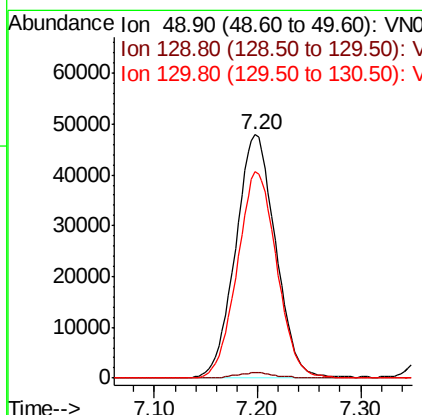
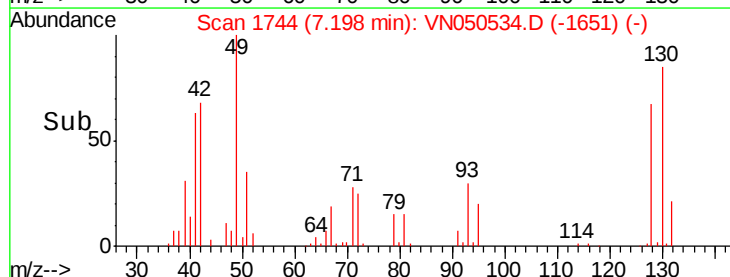
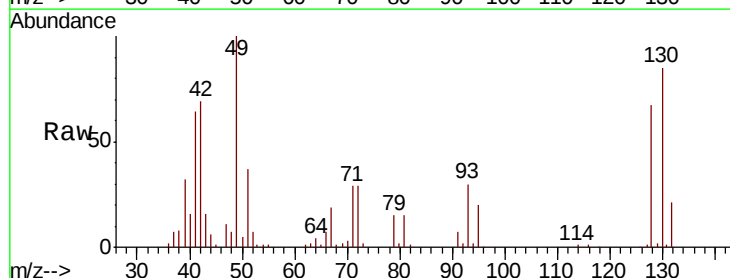
RT: 7.20 min Scan# 1744

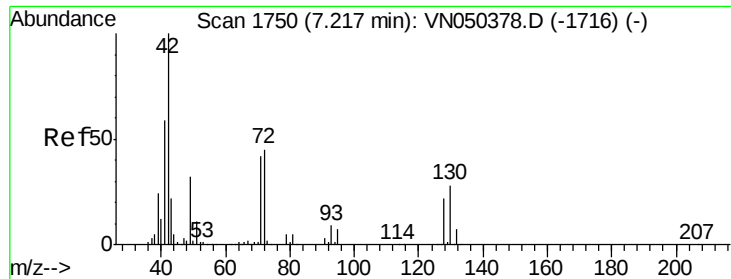
Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	129265		
129	2.1	0.0	4.0	
130	83.8	66.3	99.5	





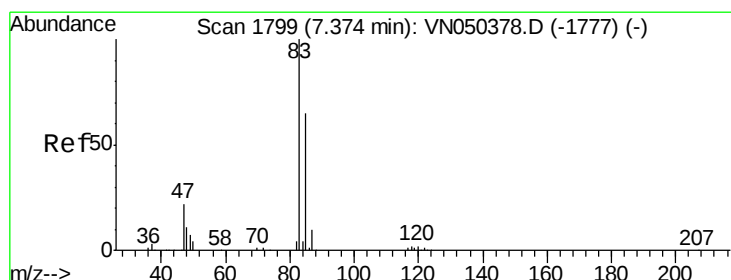
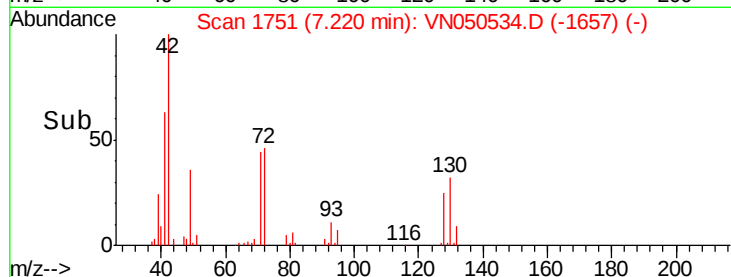
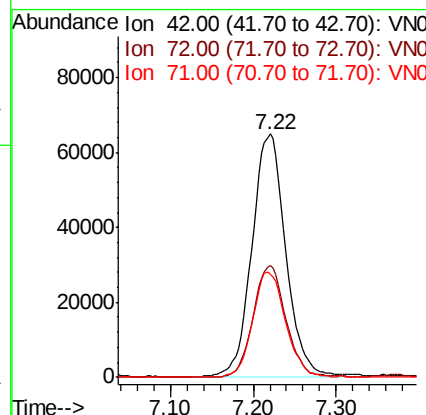
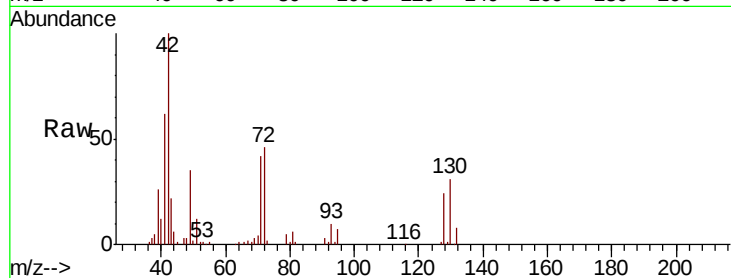
#29
Tetrahydrofuran
Concen: 83.94 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Instrument :
MSVOA_N
ClientSampled :
VN0810WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.9	53.9
71	41.9	33.7	50.5

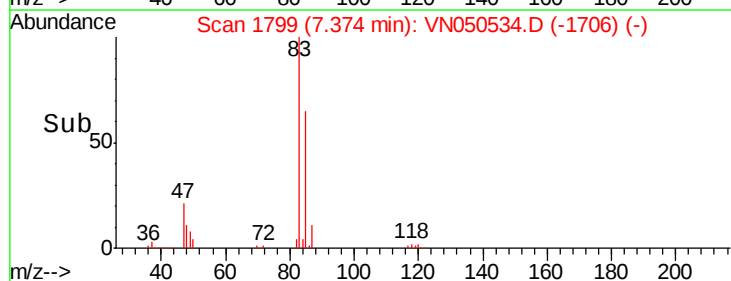
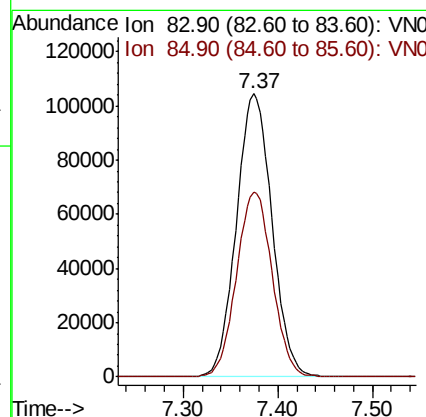
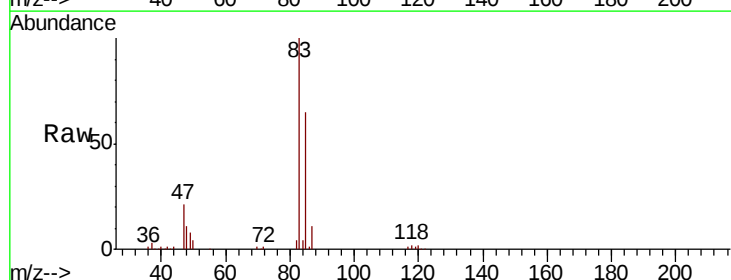
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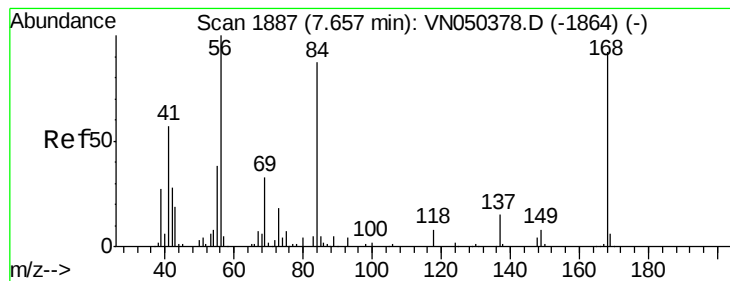
MMDadoda
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#30
Chloroform
Concen: 20.26 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.5	78.7





#31

Cyclohexane

Concen: 18.33 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

Tot Ion: 56 Resp: 222778

Ion Ratio Lower Upper

56 100

69 37.4 26.2 39.4

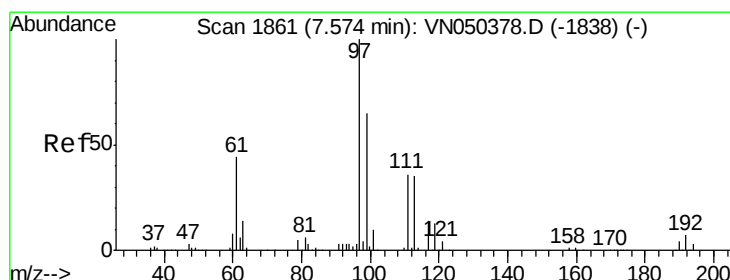
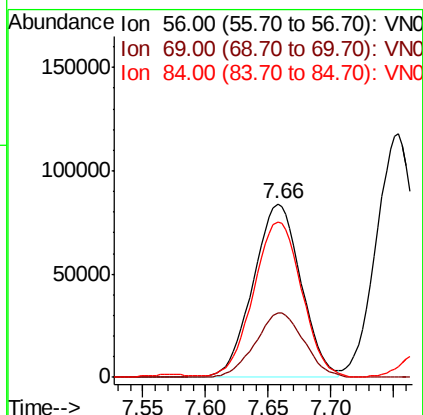
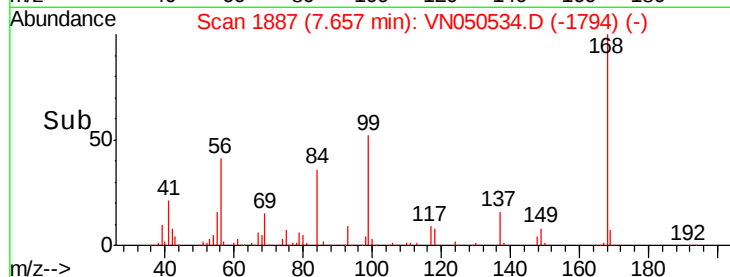
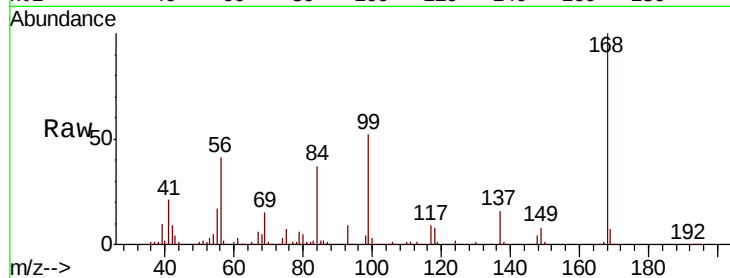
84 88.7 67.4 101.0

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#32

1,1,1-Trichloroethane

Concen: 19.75 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

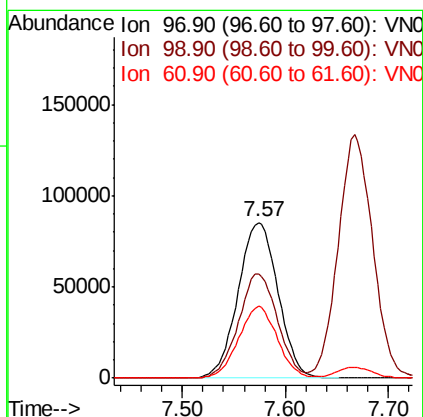
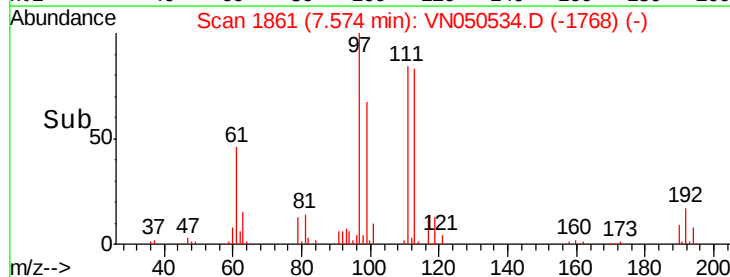
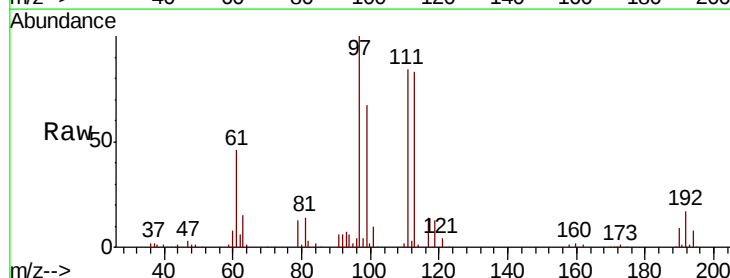
Tgt Ion: 97 Resp: 229248

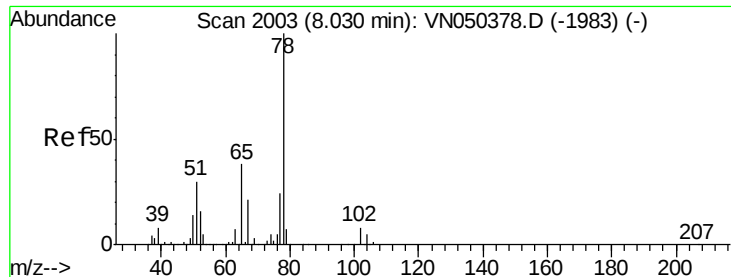
Ion Ratio Lower Upper

97 100

99 65.8 51.4 77.0

61 44.9 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 48.54 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

Tot Ion: 65 Resp: 402849

Ion Ratio Lower Upper

65 100

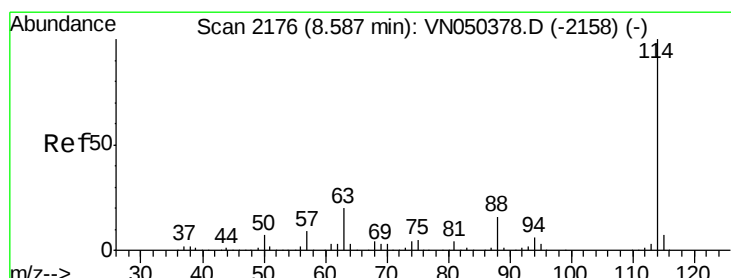
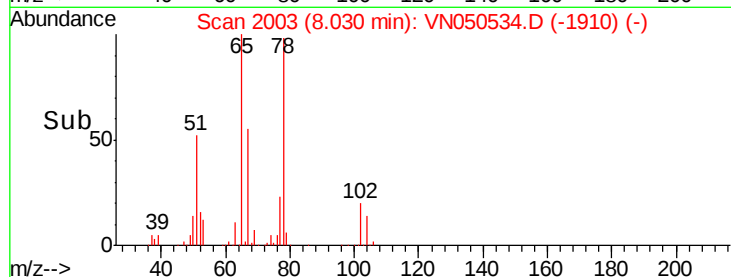
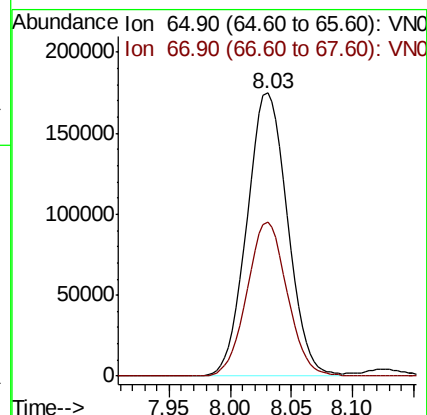
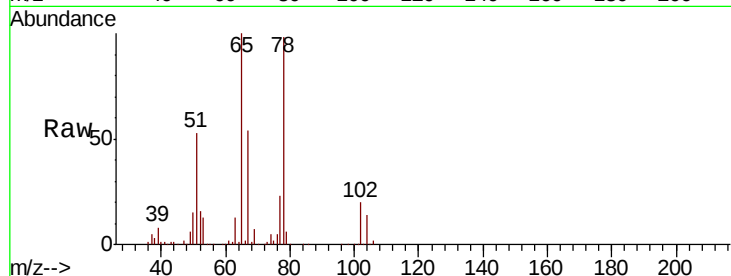
67 53.9 0.0 108.4

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

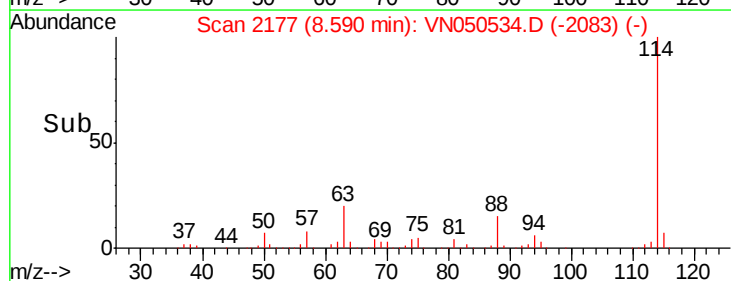
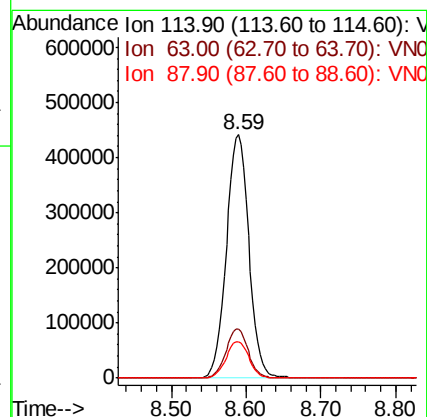
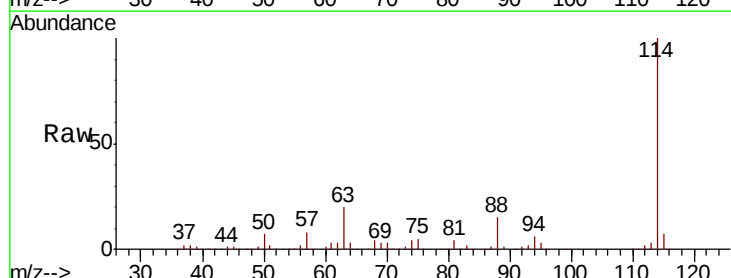
Tgt Ion: 114 Resp: 917831

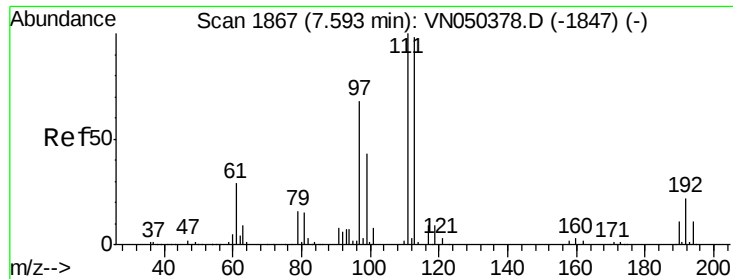
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 14.9 0.0 31.2





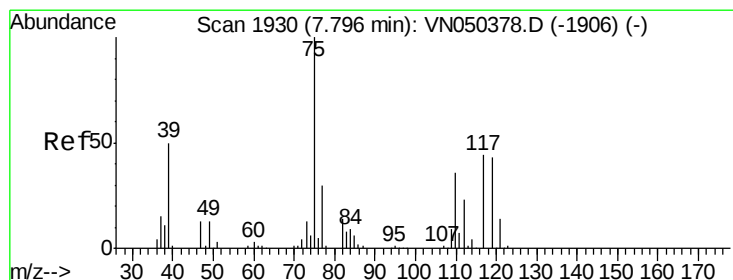
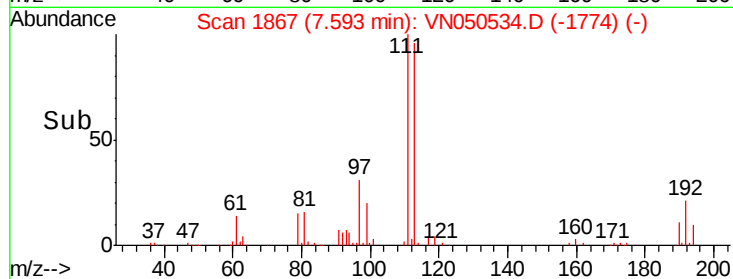
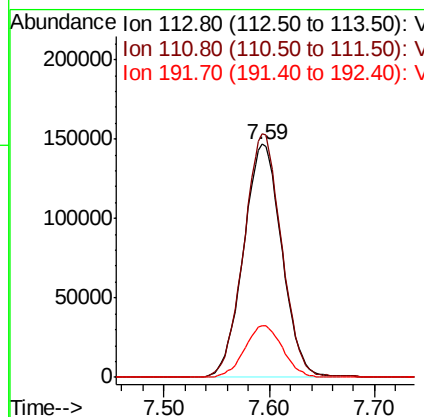
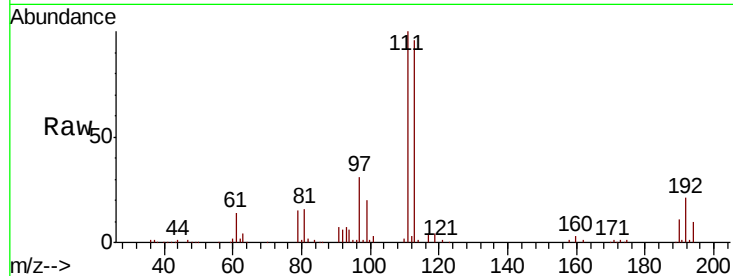
#35
 Dibromofluoromethane
 Concen: 50.38 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0810WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	80.7	121.1	
192	22.0	17.8	26.6	

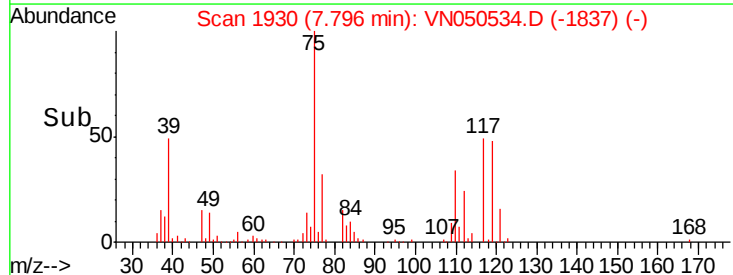
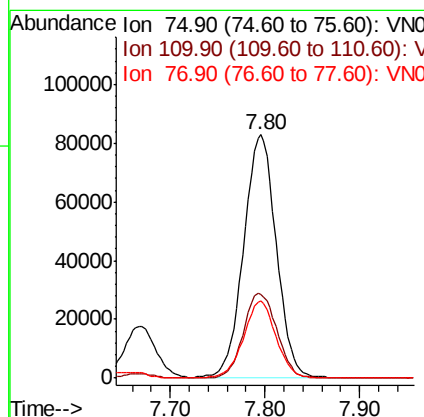
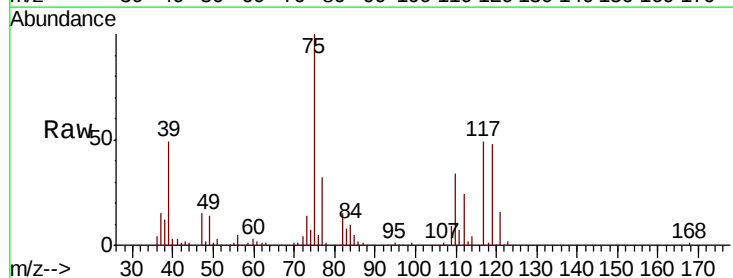
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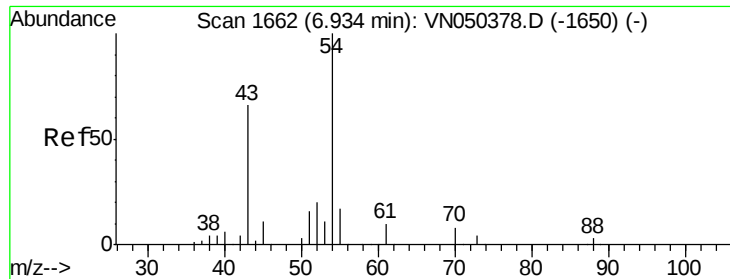
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#36
 1,1-Dichloropropene
 Concen: 19.59 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.7	18.4	55.2	
77	31.6	25.3	37.9	





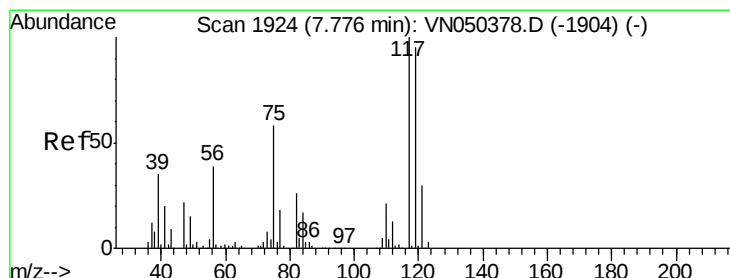
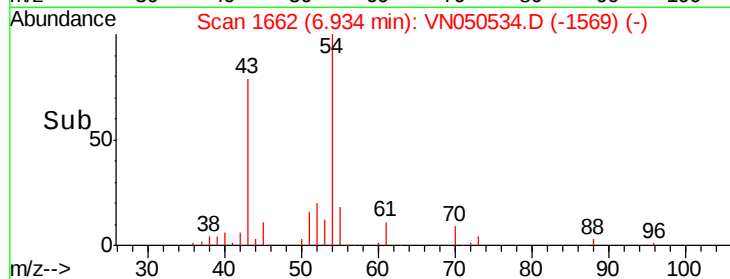
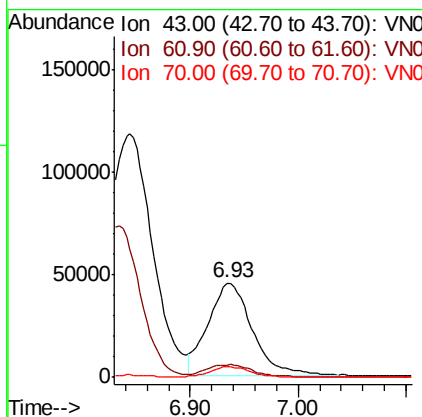
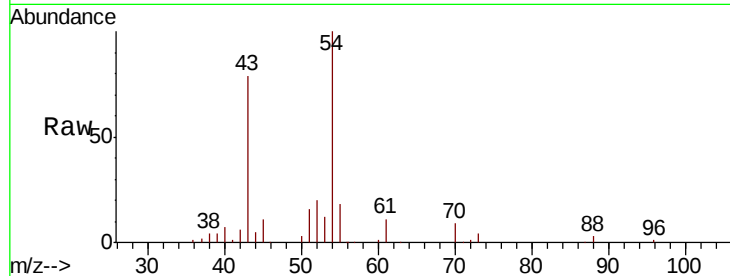
#37
Ethyl Acetate
Concen: 17.79 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.8
70	10.7	8.4	12.6

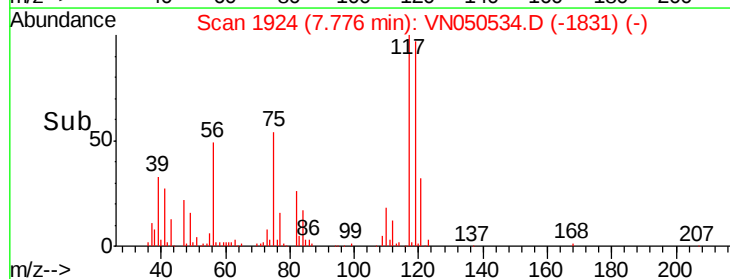
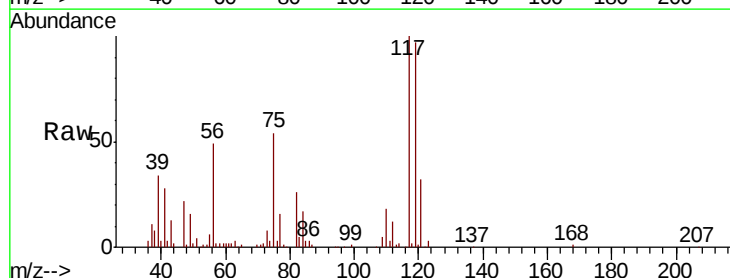
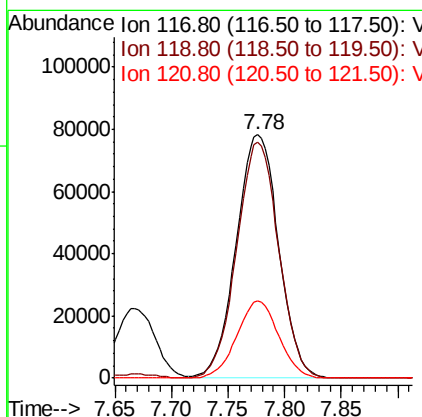
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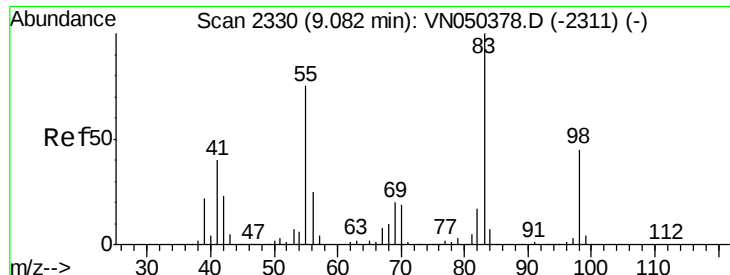
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#38
Carbon Tetrachloride
Concen: 19.42 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.4	116.0
121	31.7	23.9	35.9





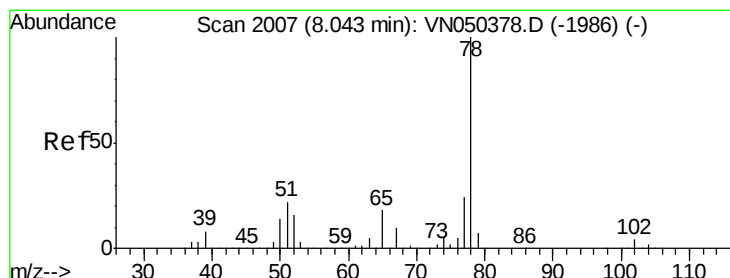
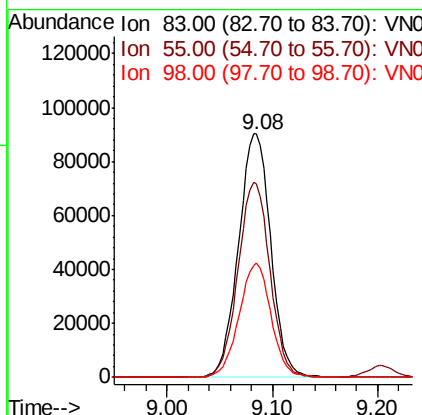
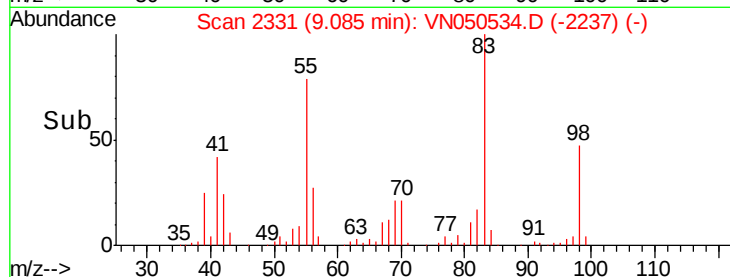
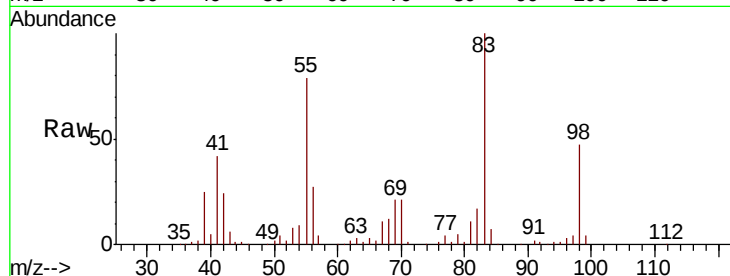
#39
Methvlcvclohexane
Concen: 17.42 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.3	61.8	92.8
98	46.8	36.5	54.7

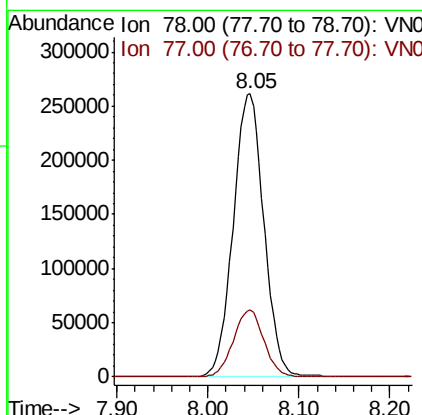
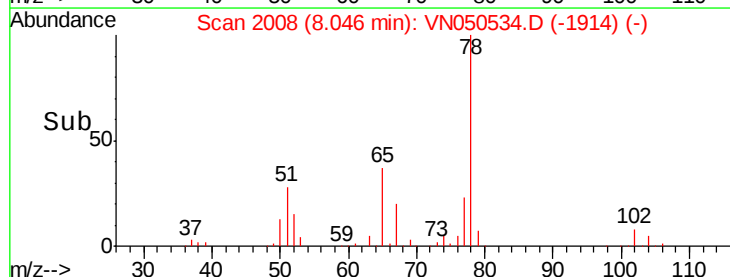
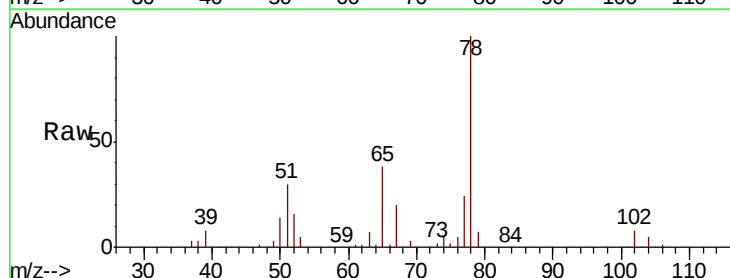
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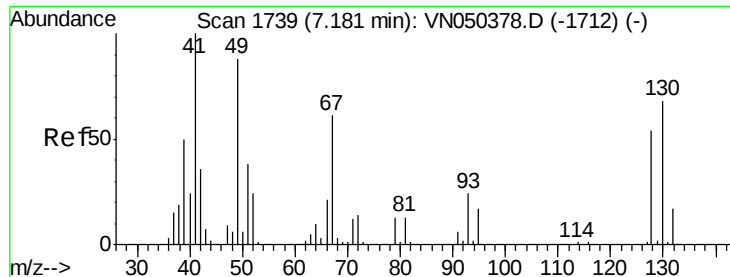
MMDadoda
8/13/2018 11:05:51 AM



#40
Benzene
Concen: 19.77 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





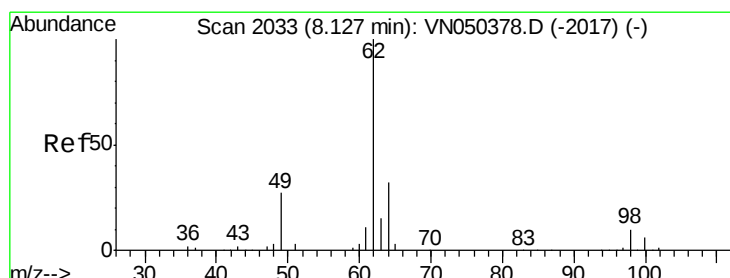
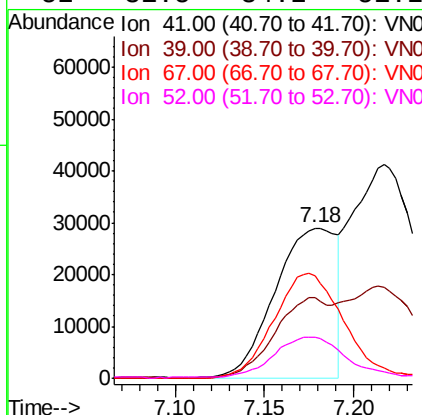
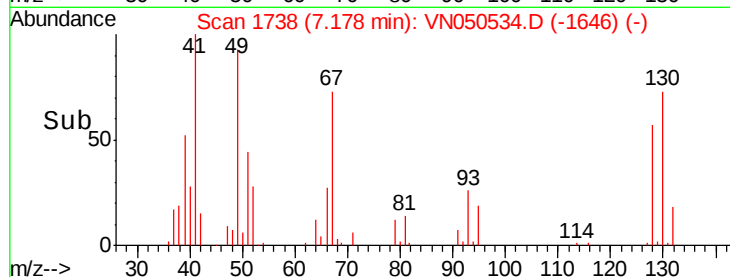
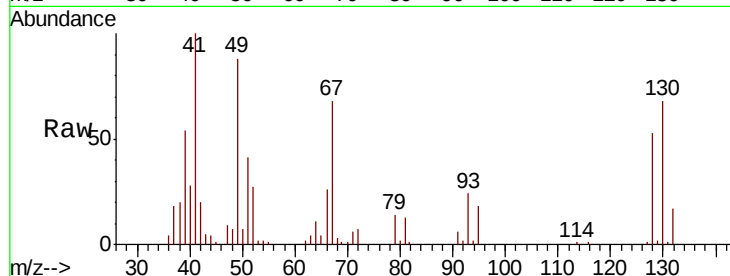
#41
Methacrylonitrile
Concen: 18.03 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.5	55.8	83.6#
67	79.6	84.3	126.5#
52	31.5	34.2	51.2#

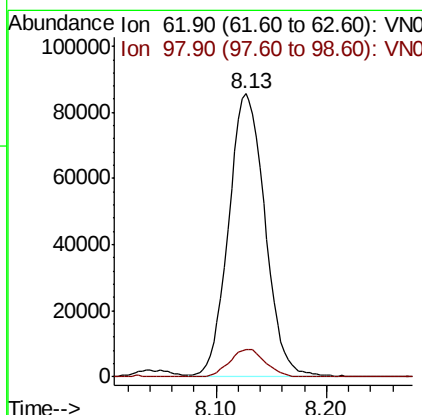
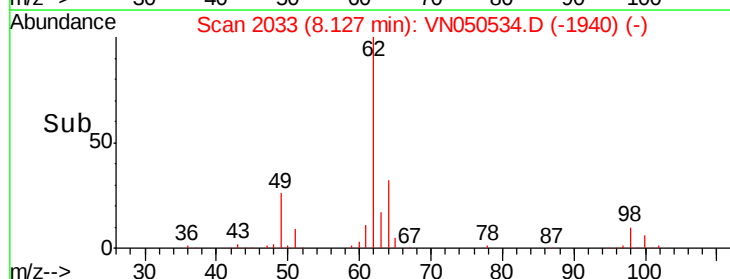
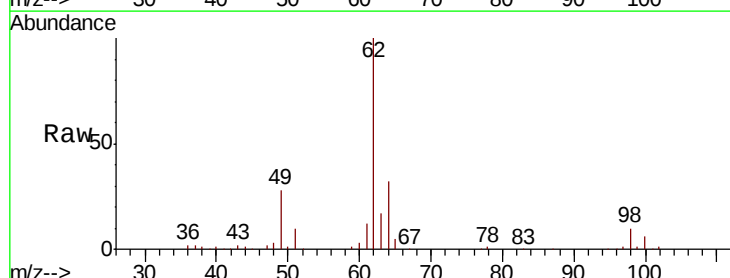
Manual Integrations
APPROVED

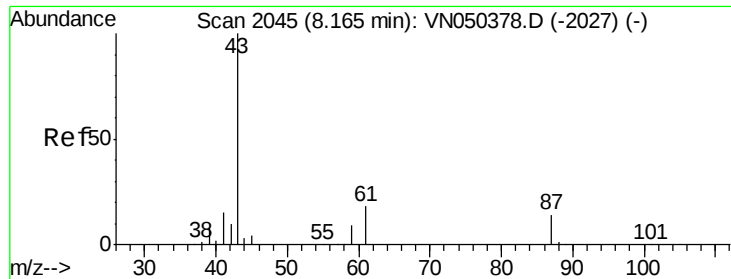
MMDadoda
8/13/2018 11:05:51 AM



#42
1,2-Dichloroethane
Concen: 19.78 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.8





#43

Isopropyl Acetate

Concen: 18.86 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

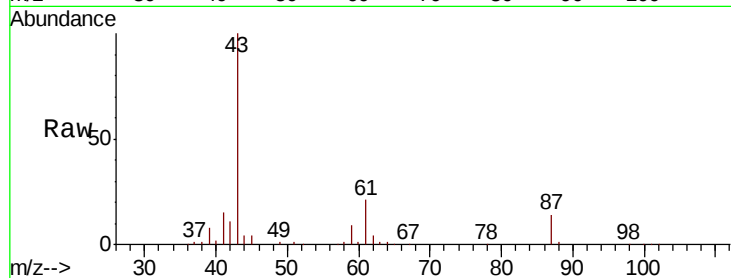
ClientSampleId :

VN0810WBS02

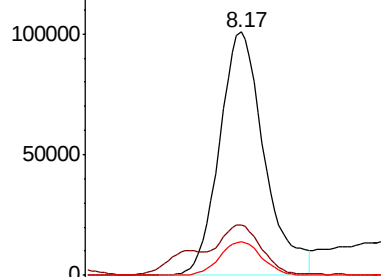
Tot Ion:	43	Resp:	236421
Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.8	23.6
87	12.9	10.3	15.5

Manual Integrations
APPROVED

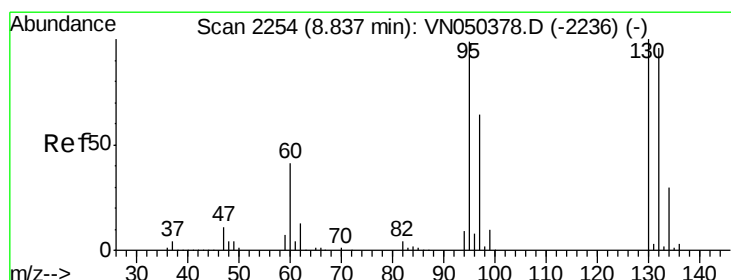
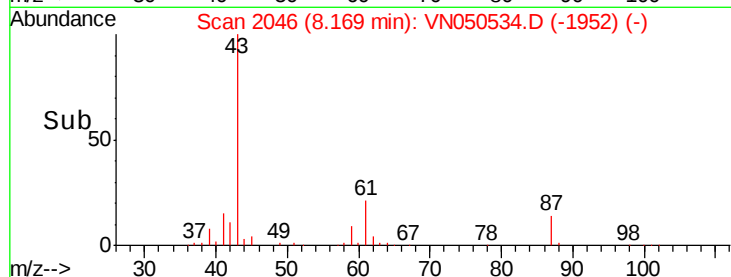
MMDadoda
8/13/2018 11:05:51 AM



Abundance Ion 43.00 (42.70 to 43.70): VN050534.D (-1952) (-)



Time-->



#44

Trichloroethene

Concen: 18.92 ug/l

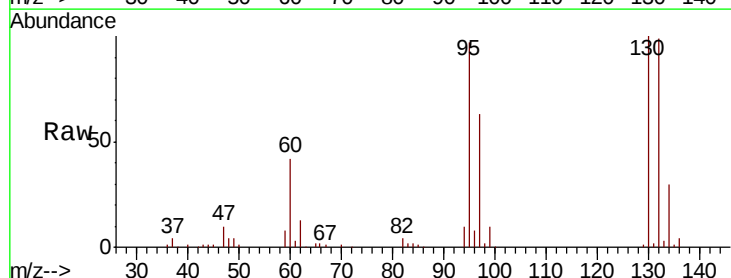
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

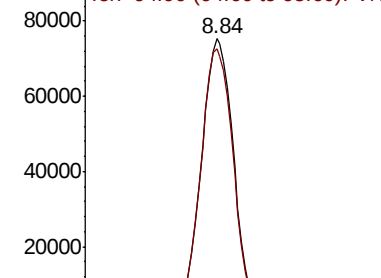
Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

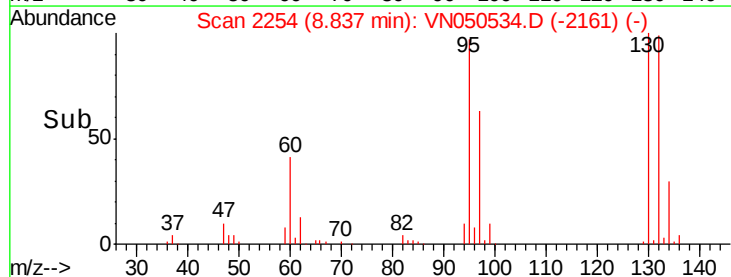
Tgt Ion:	130	Resp:	157587
Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	194.6

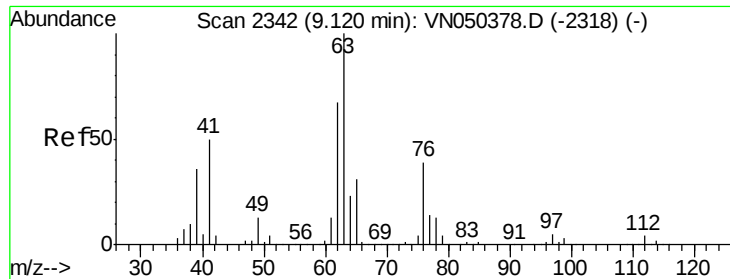


Abundance Ion 129.80 (129.50 to 130.50): VN050534.D (-2161) (-)



Time-->





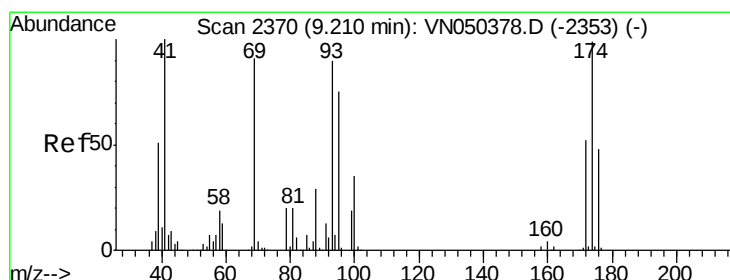
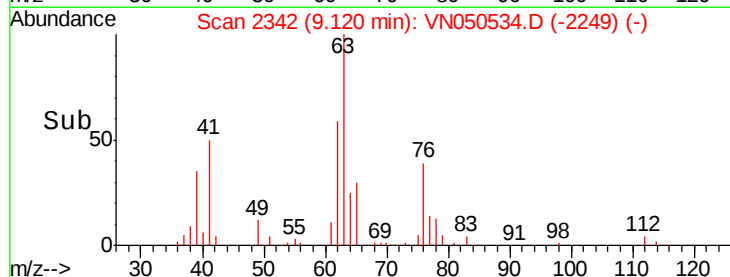
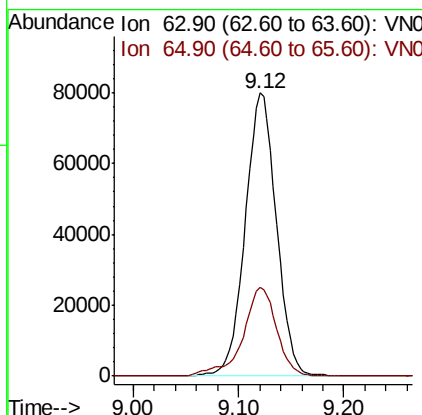
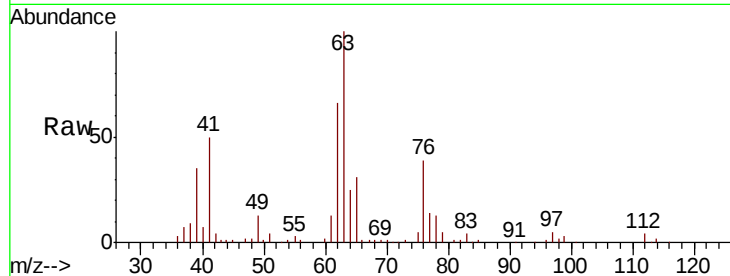
#45
 1,2-Dichloropropane
 Concen: 20.17 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0810WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.5	38.3

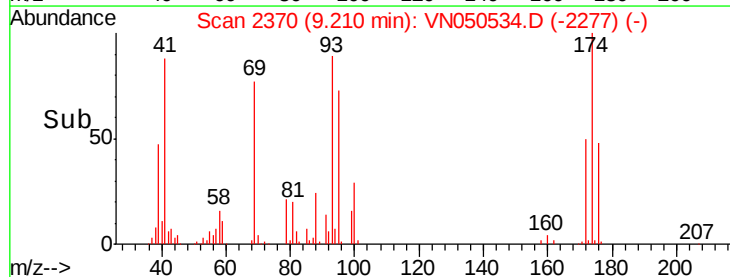
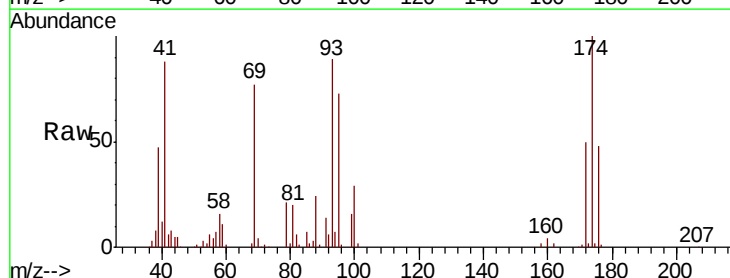
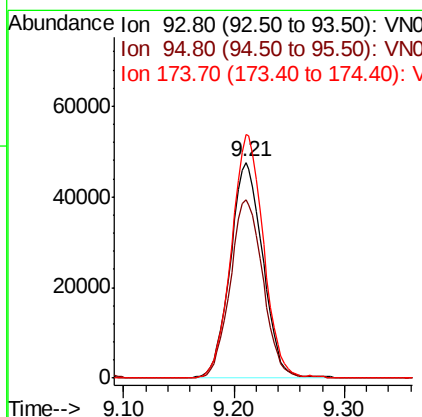
Manual Integrations
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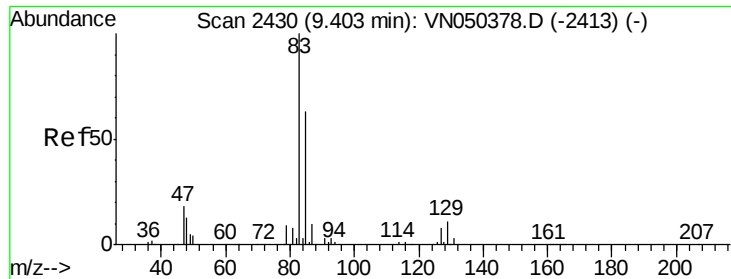
MMDadoda
 8/13/2018 11:05:51 AM



#46
 Dibromomethane
 Concen: 19.36 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.6	100.0
174	111.2	87.1	130.7





#47

Bromodichloromethane

Concen: 19.75 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

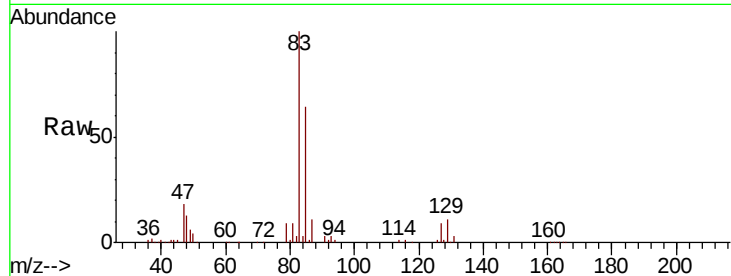
ClientSampled :

VN0810WBS02

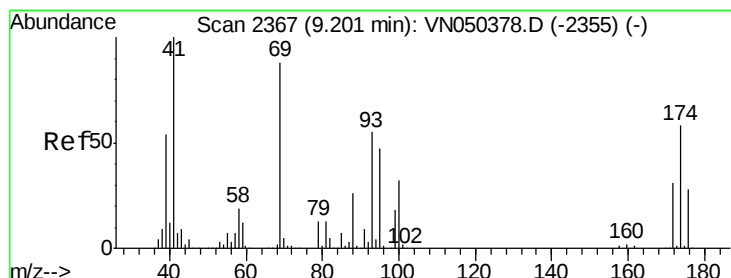
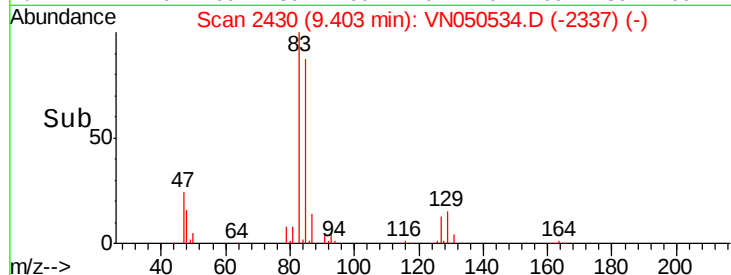
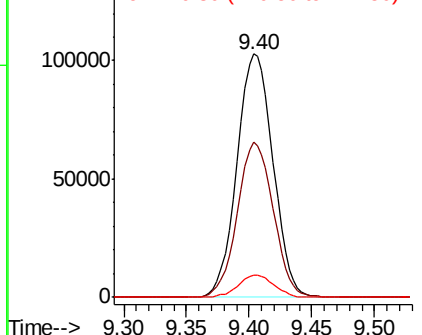
Tot Ion:	83	Resp:	205896
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.1	76.7
127	9.3	7.0	10.4

Manual Integrations
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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: 17.55 ug/l

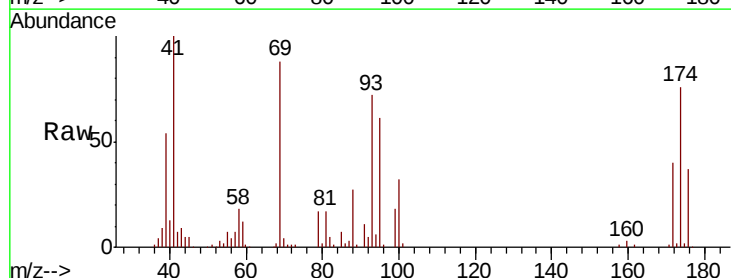
RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

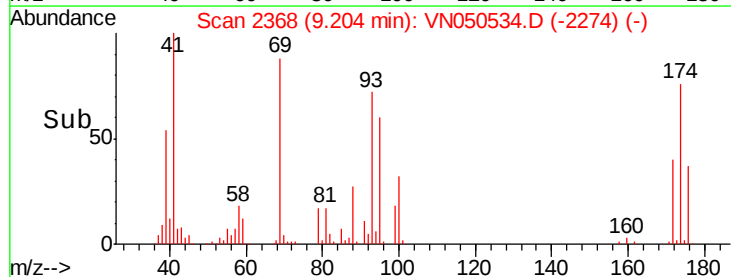
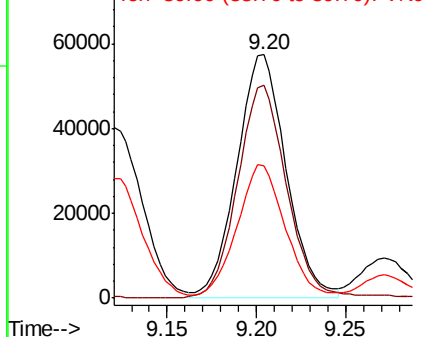
Lab File: VN050534.D

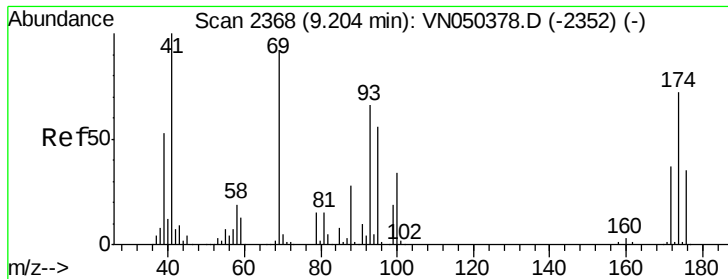
Acq: 10 Aug 2018 22:48

Tgt Ion:	41	Resp:	110290
Ion Ratio	Lower	Upper	
41	100		
69	88.5	70.6	105.8
39	53.5	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





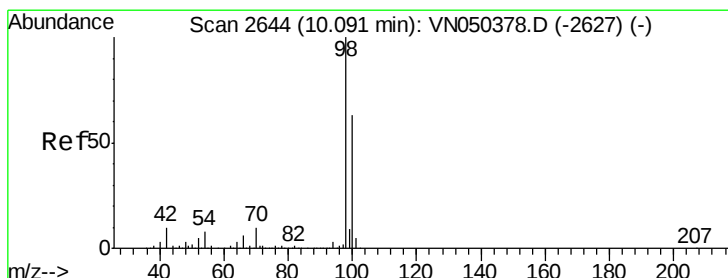
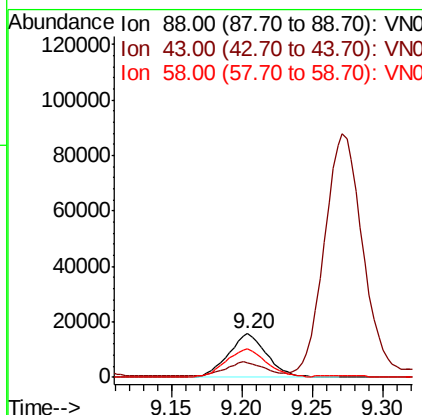
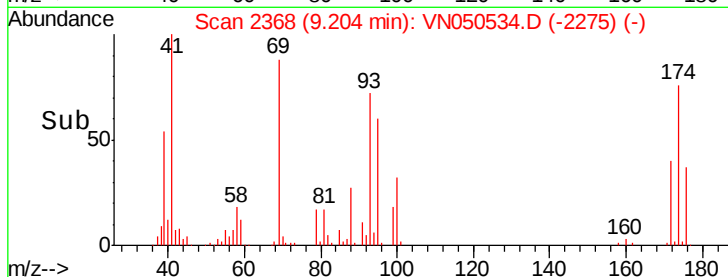
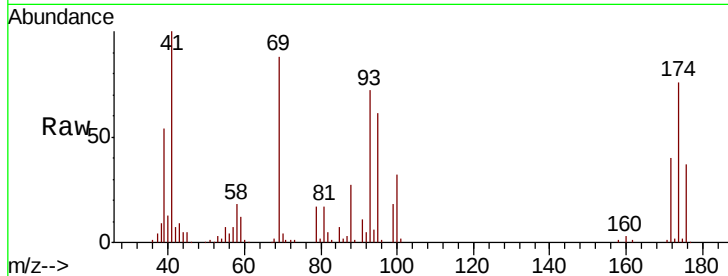
#49
1,4-Dioxane
Concen: 312.00 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	26.9	40.3
58	68.4	57.3	85.9

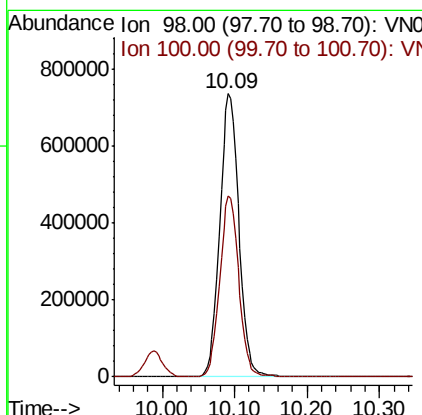
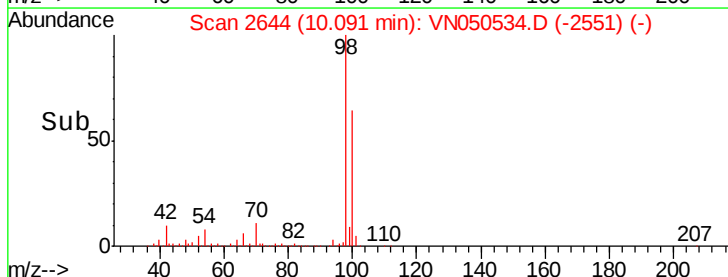
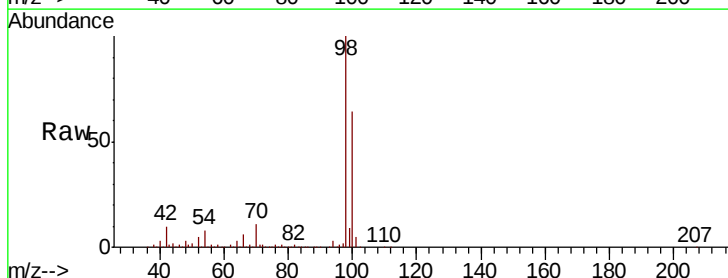
Manual Integrations
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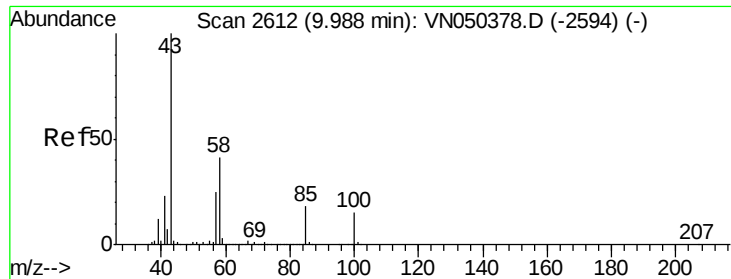
MMDadoda
8/13/2018 11:05:51 AM



#50
Toluene-d8
Concen: 48.54 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 88.27 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

Tot Ion: 43 Resp: 796943

Ion Ratio Lower Upper

43 100

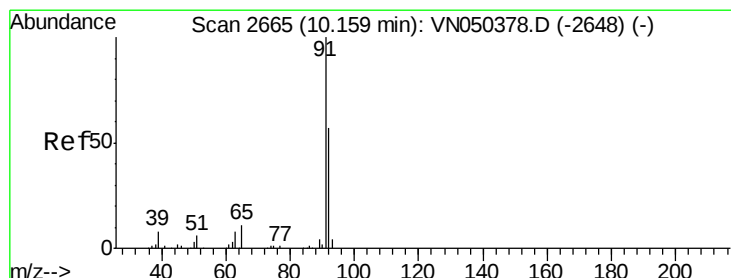
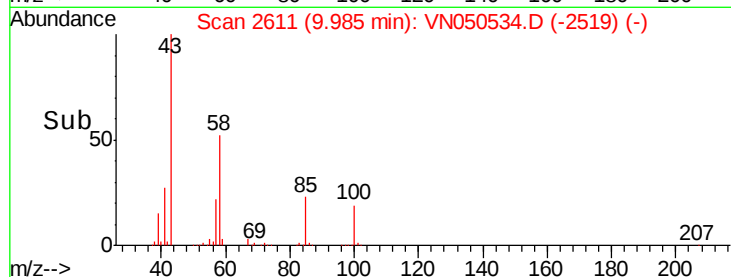
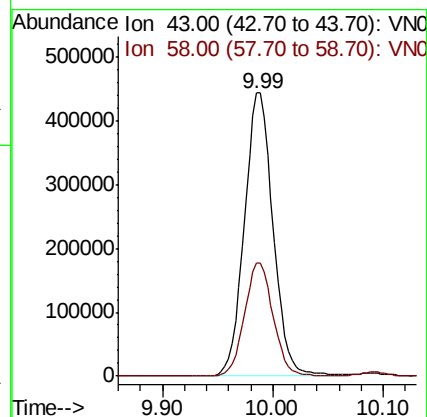
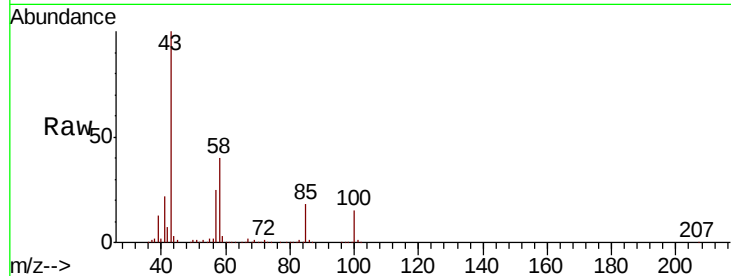
58 40.0 31.9 47.9

Manual Integrations

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MMDadoda

8/13/2018 11:05:51 AM



#52

Toluene

Concen: 19.84 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050534.D

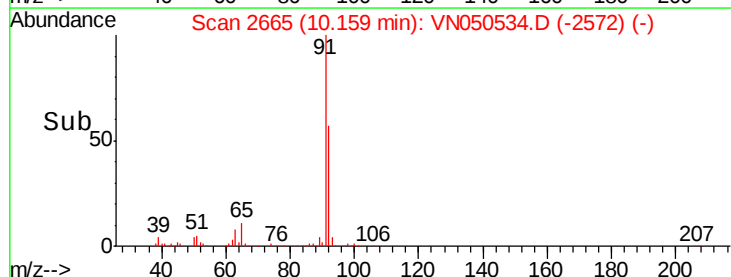
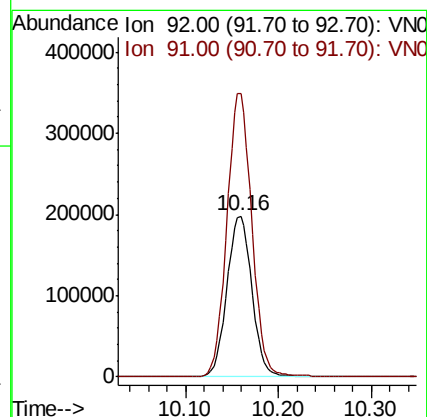
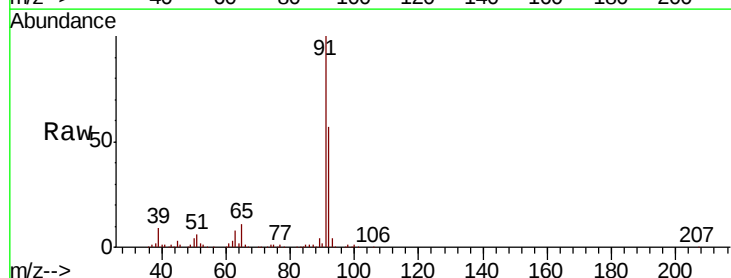
Acq: 10 Aug 2018 22:48

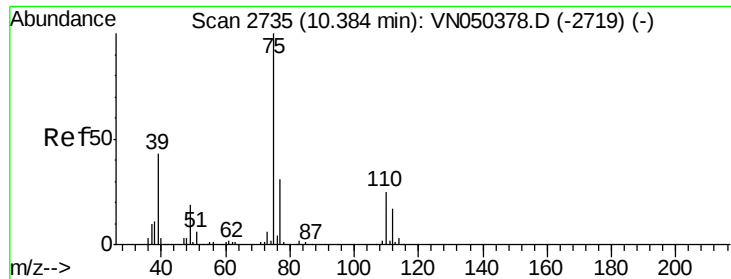
Tgt Ion: 92 Resp: 369556

Ion Ratio Lower Upper

92 100

91 175.9 140.3 210.5





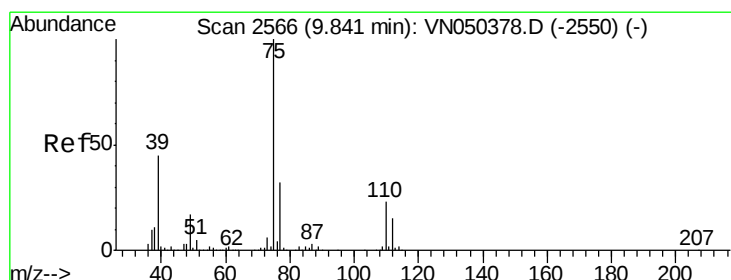
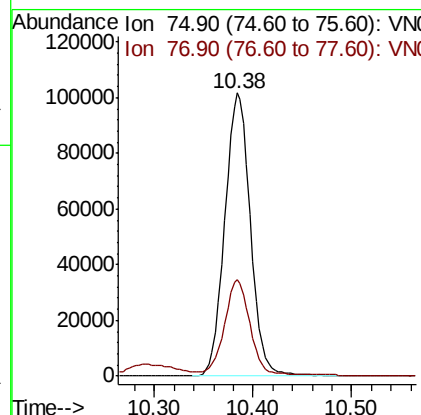
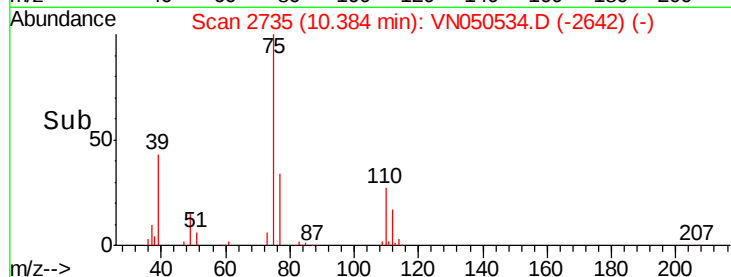
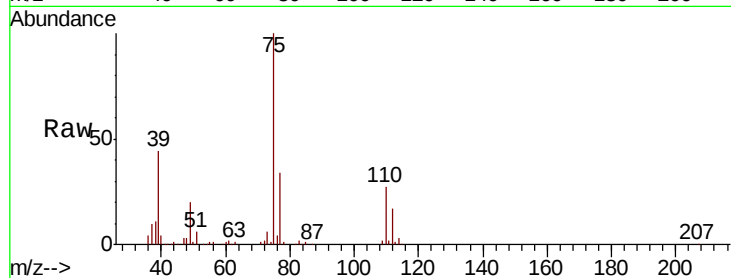
#53
t-1,3-Dichloropropene
Concen: 17.69 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Instrument :
MSVOA_N
ClientSampled :
VN0810WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.8	24.9	37.3

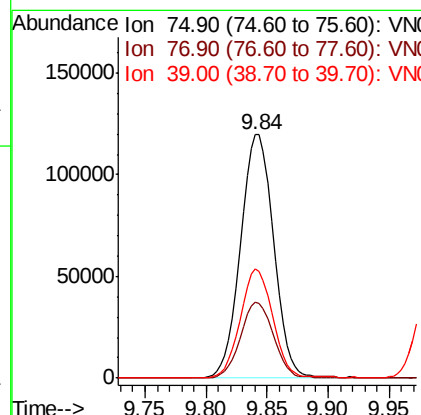
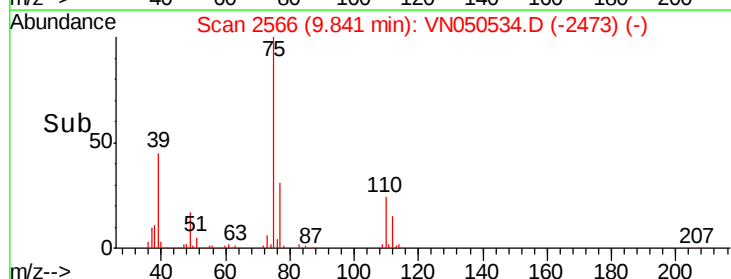
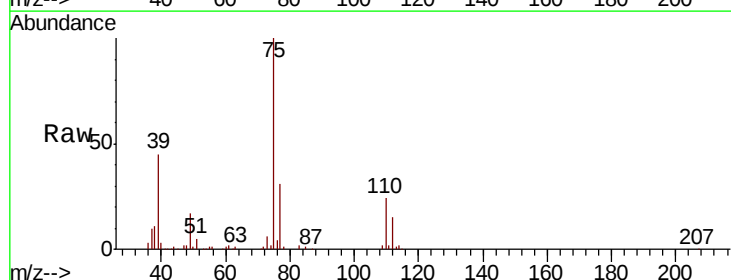
Manual Integrations
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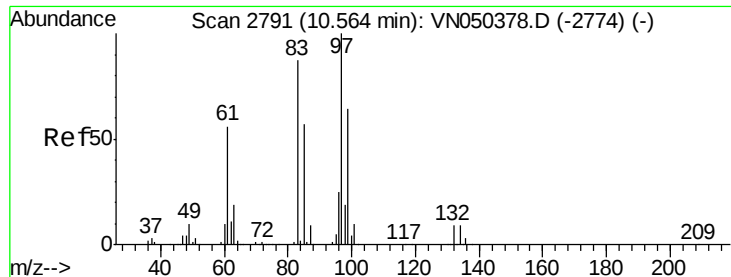
MMDadoda
8/13/2018 11:05:51 AM



#54
cis-1,3-Dichloropropene
Concen: 19.24 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.5	38.3
39	44.7	36.6	55.0





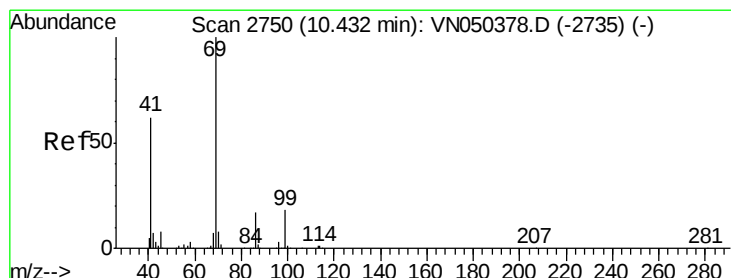
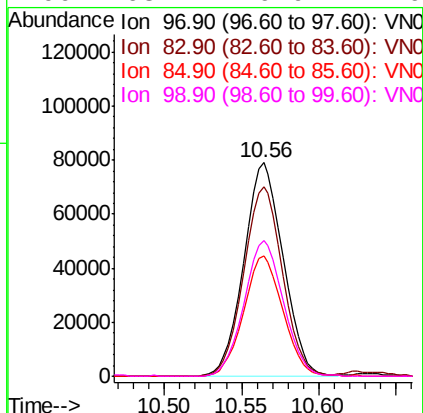
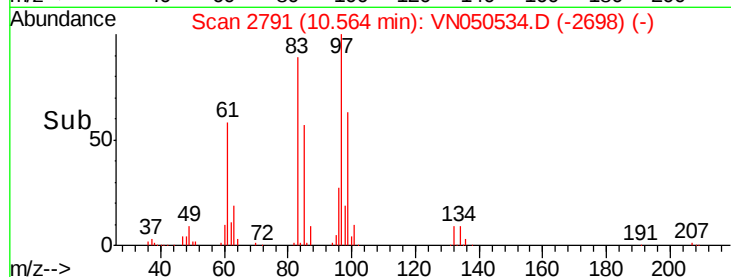
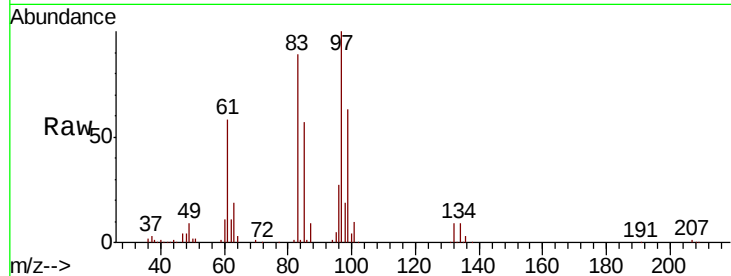
#55
 1,1,2-Trichloroethane
 Concen: 19.29 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.2	103.8
85	56.6	44.0	66.0
99	63.2	49.9	74.9

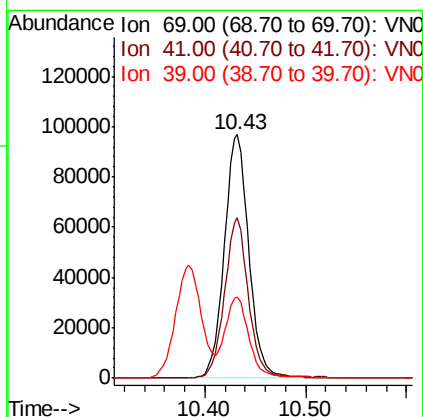
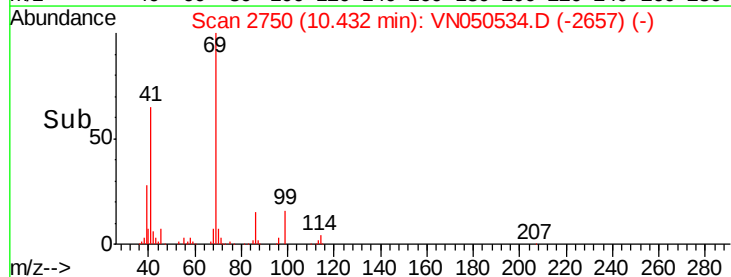
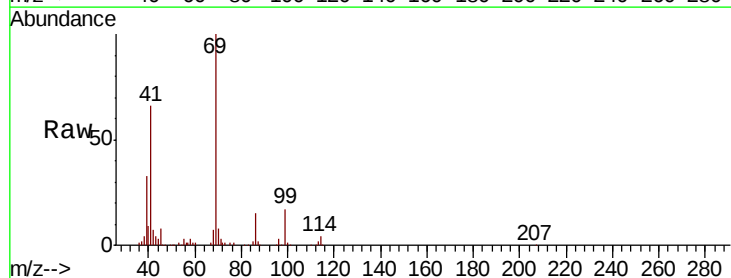
Manual Integrations
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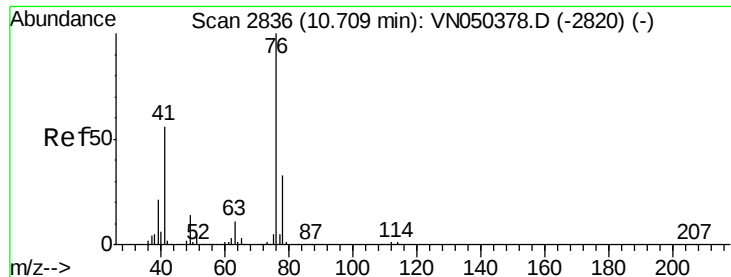
MMDadoda
 8/13/2018 11:05:51 AM



#56
 Ethyl methacrylate
 Concen: 17.17 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.6	51.0	76.4
39	31.8	26.6	40.0





#57

1,3-Dichloropropane

Concen: 19.25 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampled :

VN0810WBS02

Tot Ion: 76 Resp: 229710

Ion Ratio Lower Upper

76 100

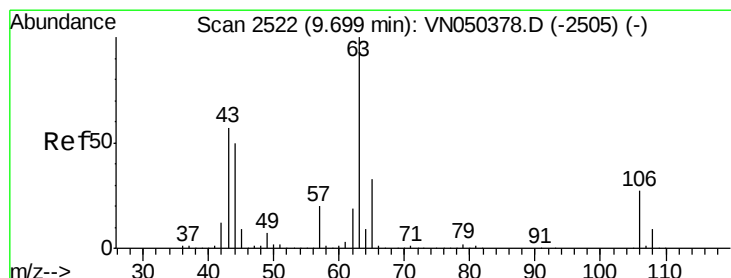
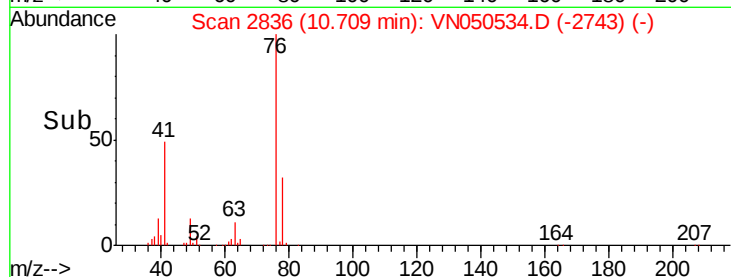
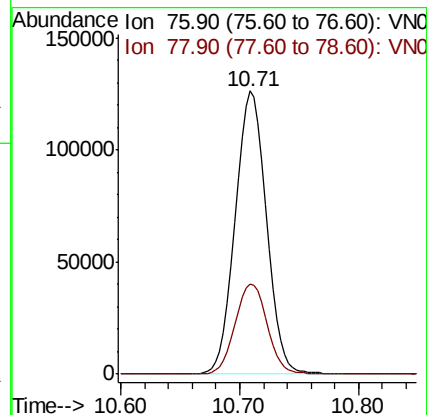
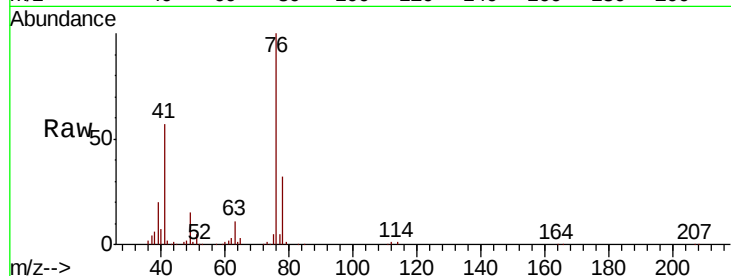
78 32.9 25.7 38.5

Manual Integrations

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MMDadoda

8/13/2018 11:05:51 AM



#58

2-Chloroethyl Vinyl ether

Concen: 87.22 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050534.D

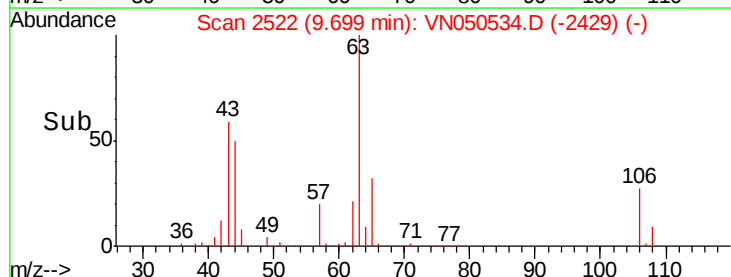
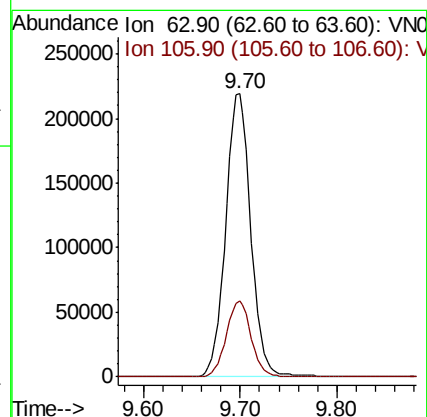
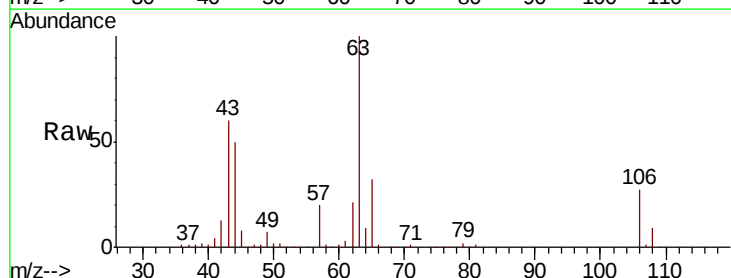
Acq: 10 Aug 2018 22:48

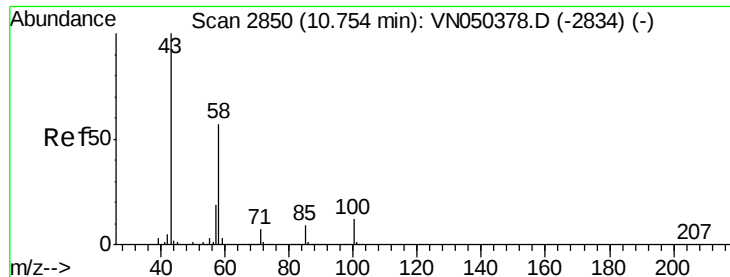
Tgt Ion: 63 Resp: 394517

Ion Ratio Lower Upper

63 100

106 26.5 21.7 32.5





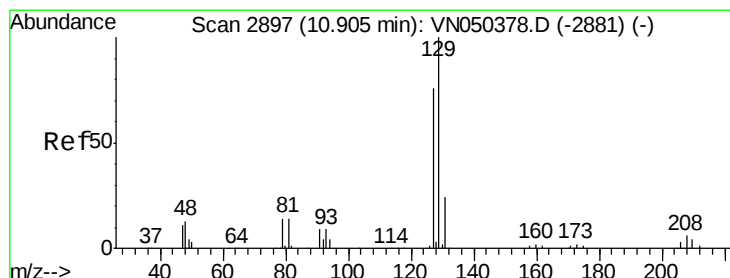
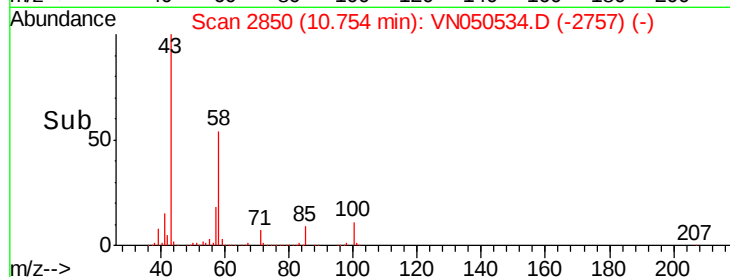
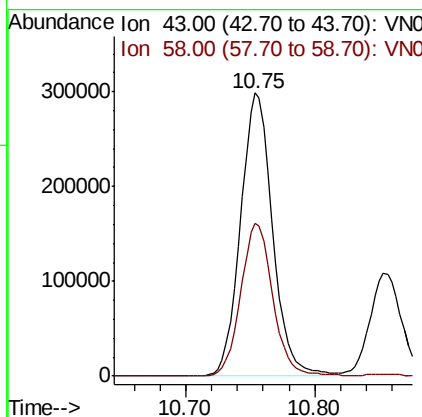
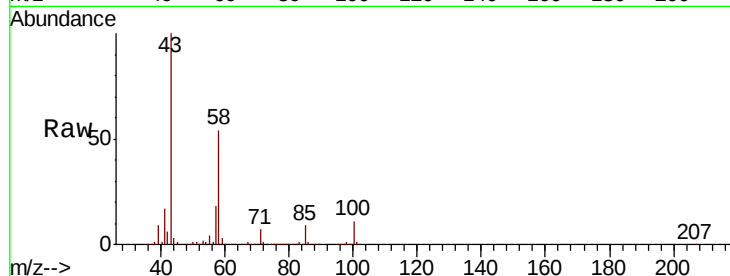
#59
2-Hexanone
Concen: 81.64 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS02

Tot Ion	43	Resp	514453
Ion Ratio	100	Lower	Upper
43	100		
58	54.4	27.6	82.7

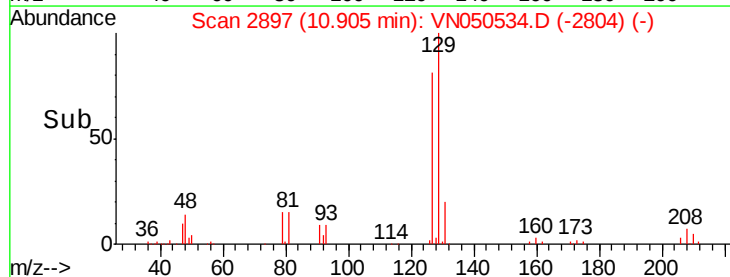
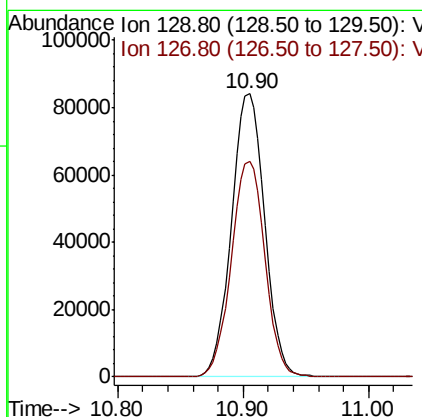
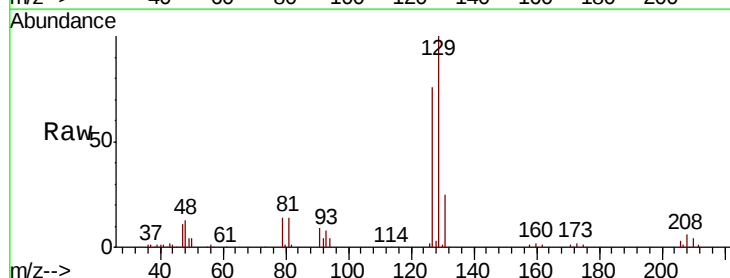
Manual Integrations
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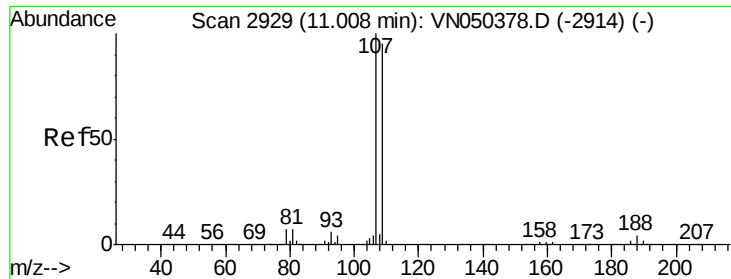
MMDadoda
8/13/2018 11:05:51 AM



#60
Dibromochloromethane
Concen: 19.33 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion	129	Resp	154827
Ion Ratio	100	Lower	Upper
129	100		
127	76.9	38.0	113.9





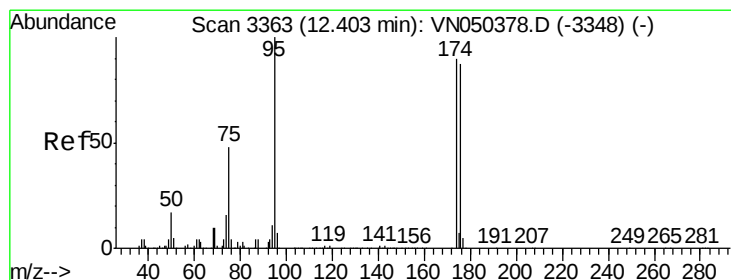
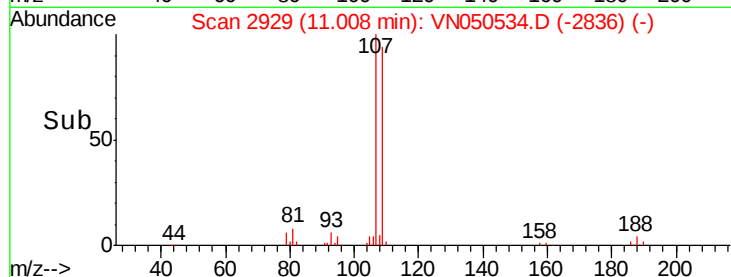
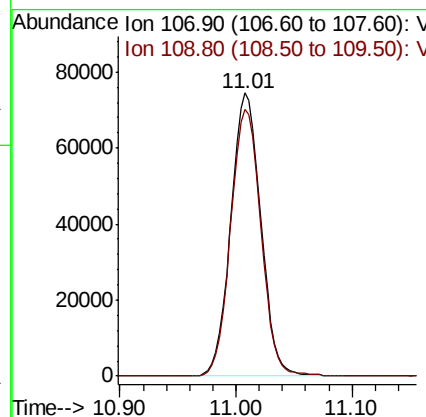
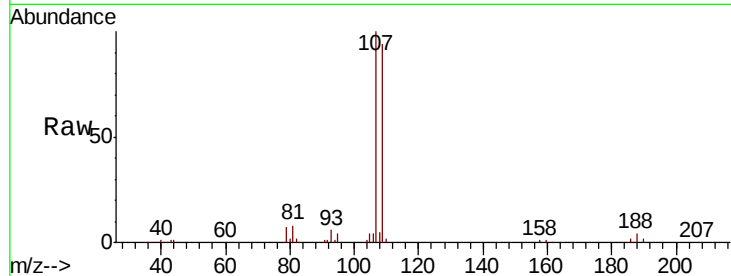
#61
 1,2-Dibromoethane
 Concen: 18.65 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	133651		
109	95.1	74.6	112.0	

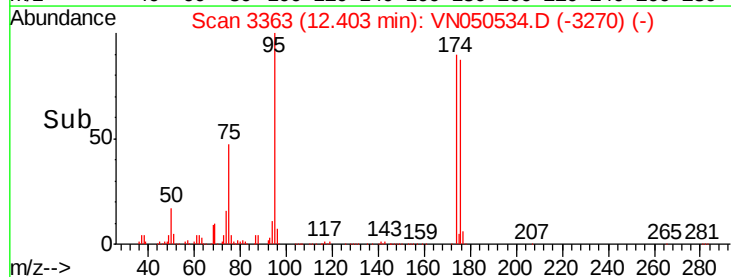
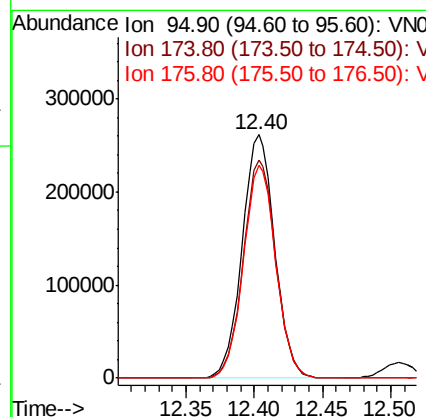
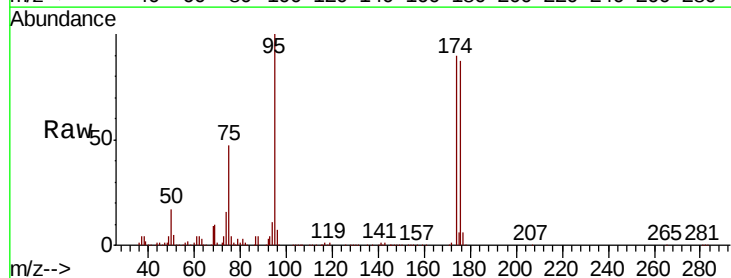
Manual Integrations
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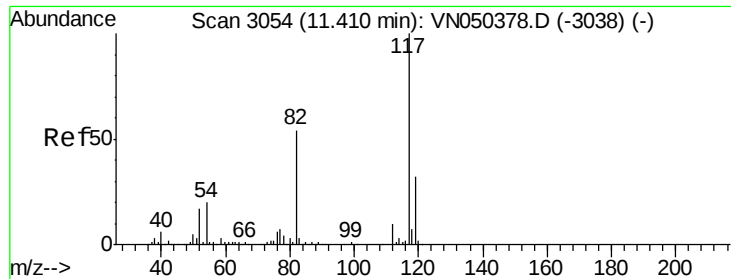
MMDadoda
 8/13/2018 11:05:51 AM



#62
 4-Bromofluorobenzene
 Concen: 45.83 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	432521		
174	89.4	0.0	178.2	
176	87.0	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: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

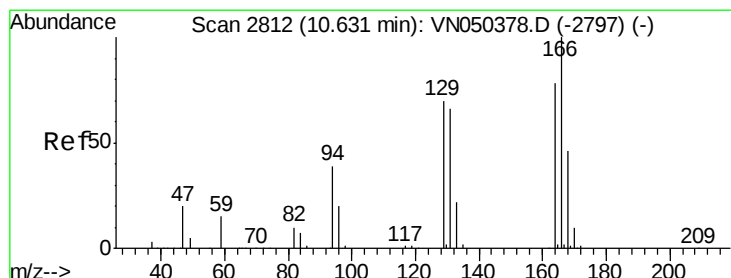
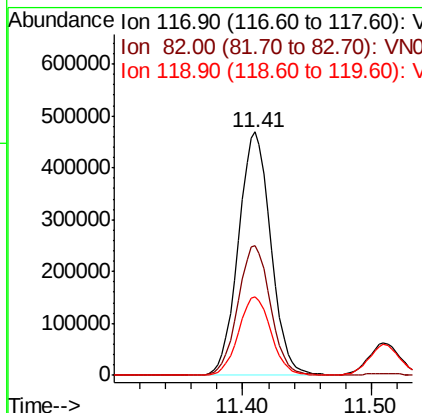
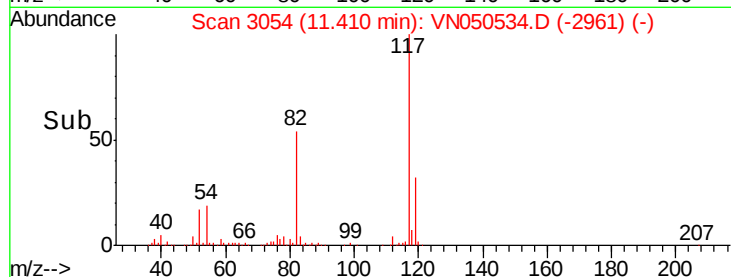
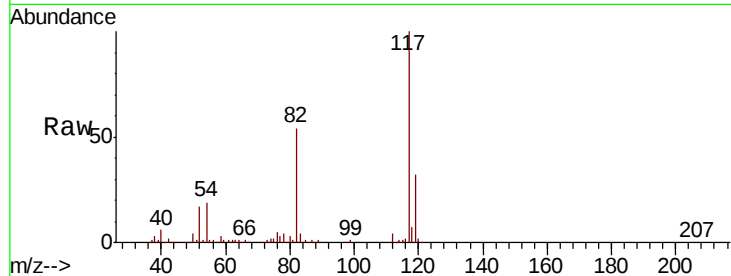
ClientSampleId :

VN0810WBS02

Tot Ion:	117	Resp:	820755
Ion Ratio	Lower	Upper	
117	100		
82	53.5	43.7	65.5
119	32.4	26.1	39.1

Manual Integrations
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#64

Tetrachloroethene

Concen: 19.78 ug/l

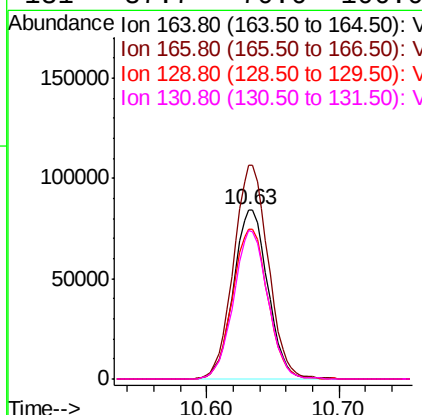
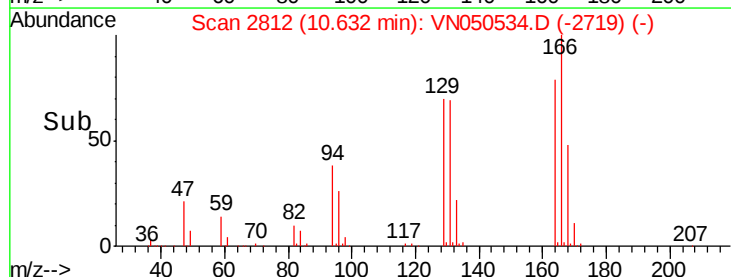
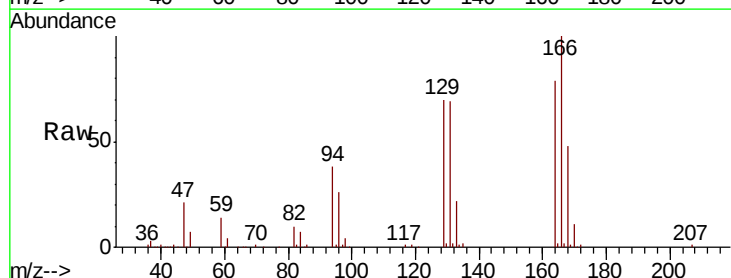
RT: 10.63 min Scan# 2812

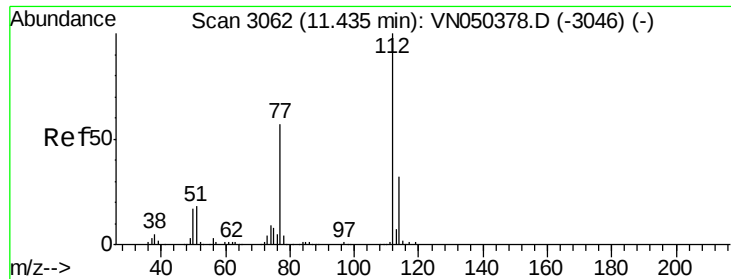
Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Tgt Ion:	164	Resp:	151693
Ion Ratio	Lower	Upper	
164	100		
166	126.2	102.1	153.1
129	88.5	73.2	109.8
131	87.7	70.6	106.0





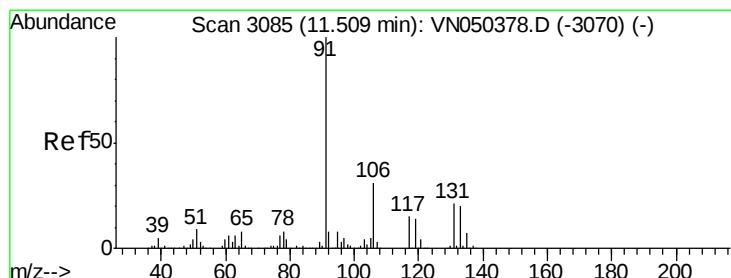
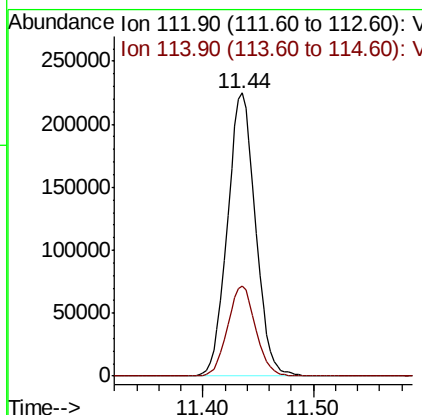
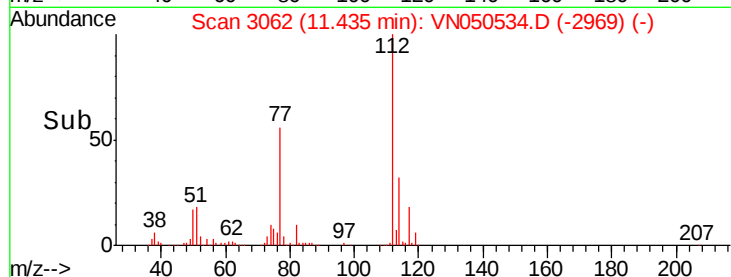
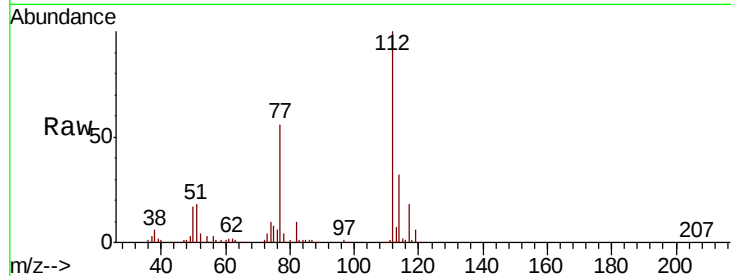
#65
Chlorobenzene
Concen: 19.30 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Instrument :
MSVOA_N
ClientSampled :
VN0810WBS02

Tot Ion:112 Resp: 397078
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

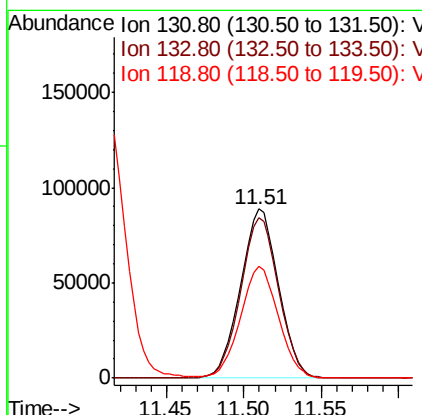
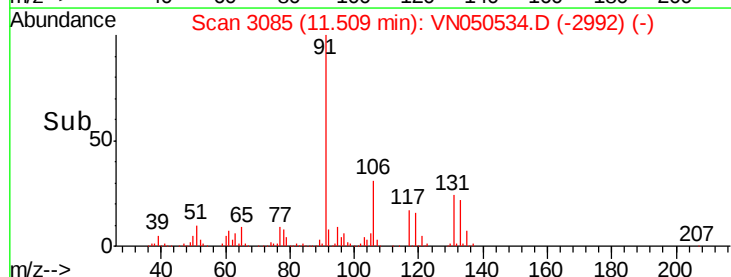
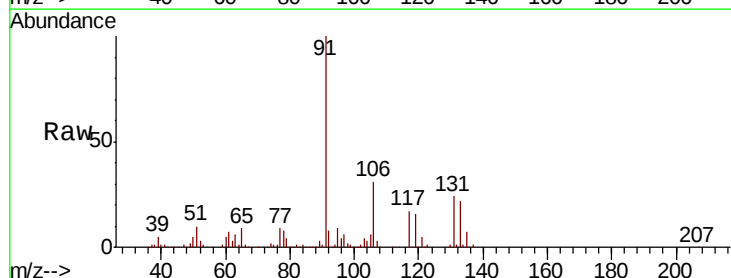
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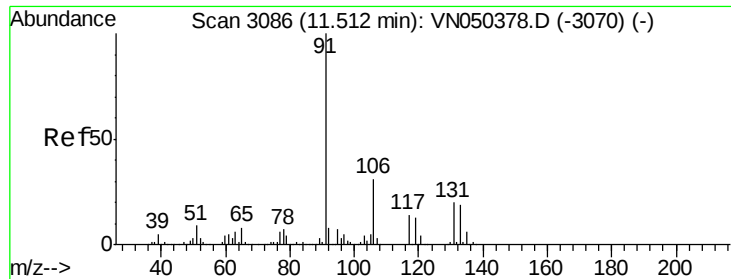
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.23 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion:131 Resp: 151480
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.9
119 66.4 32.9 98.7





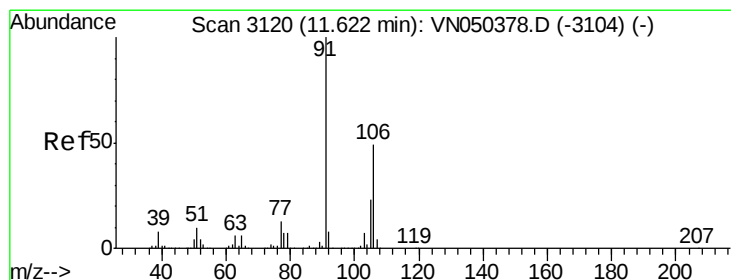
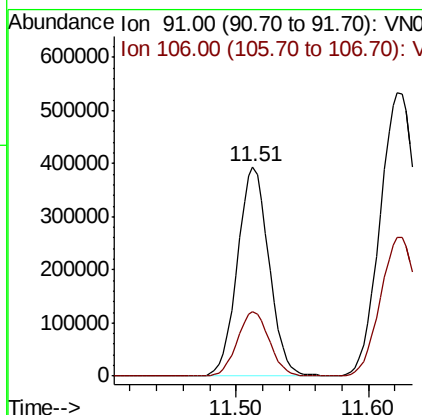
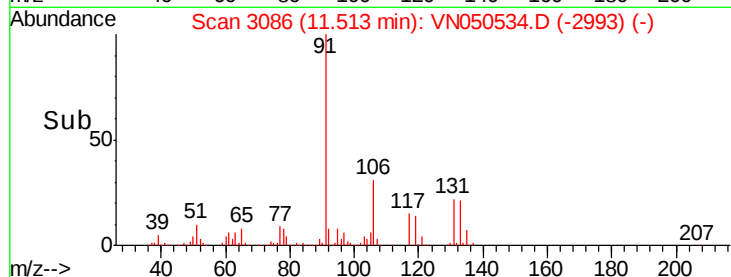
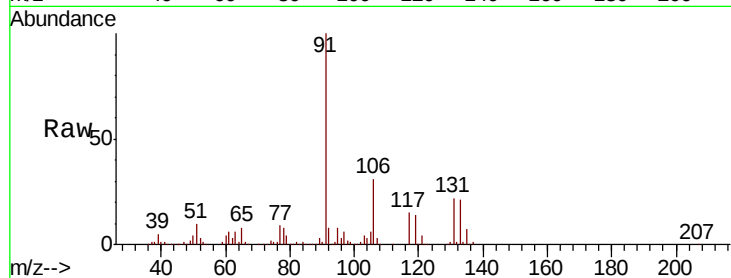
#67
Ethyl Benzene
Concen: 19.56 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS02

Tot Ion: 91 Resp: 650660
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.4

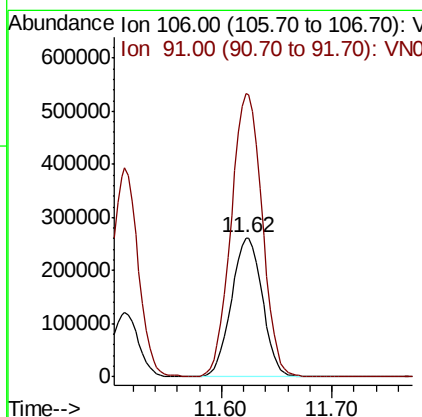
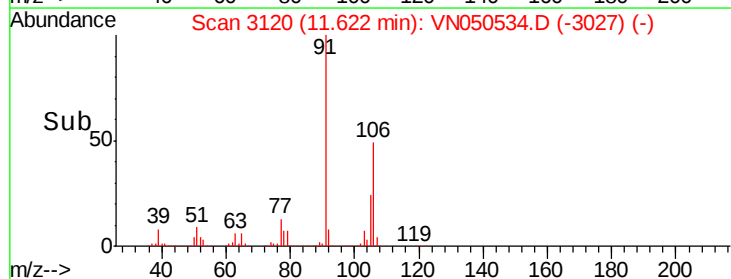
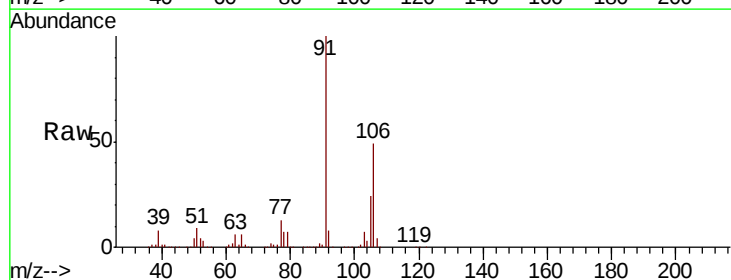
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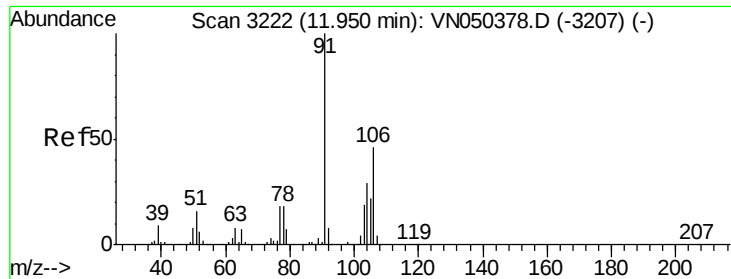
MMDadoda
8/13/2018 11:05:51 AM



#68
m/p-Xylenes
Concen: 40.38 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion: 106 Resp: 511309
Ion Ratio Lower Upper
106 100
91 203.5 162.2 243.2





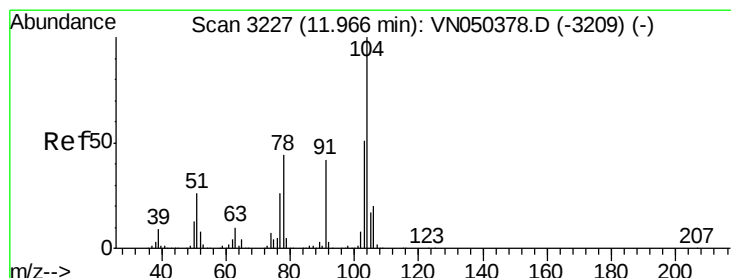
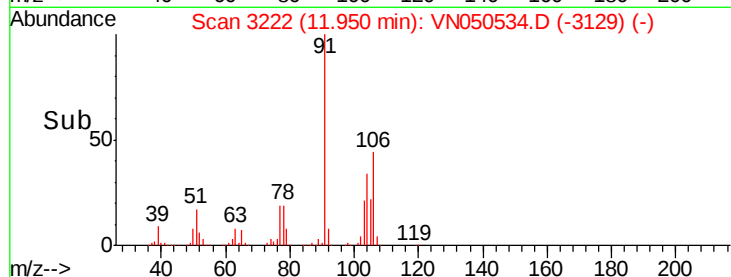
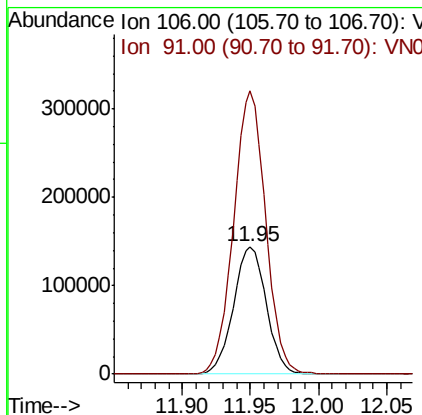
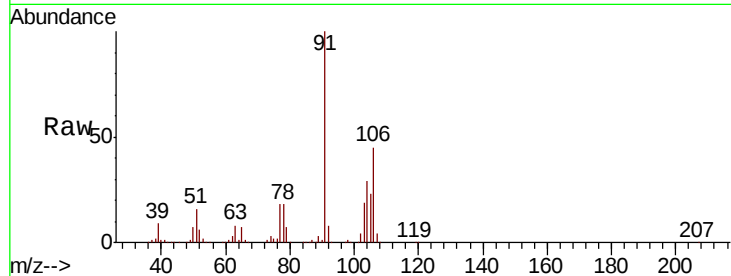
#69
o-Xylene
Concen: 19.67 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Instrument :
MSVOA_N
ClientSampled :
VN0810WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	239864		
91	91	217.1	107.7	323.1	

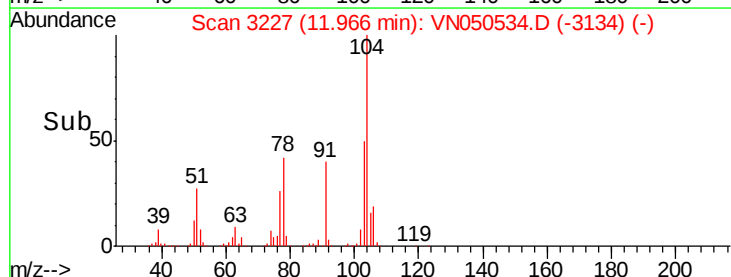
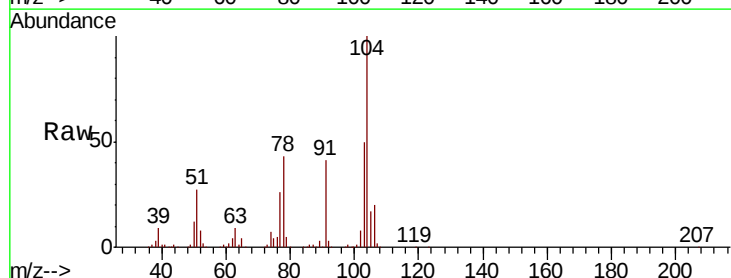
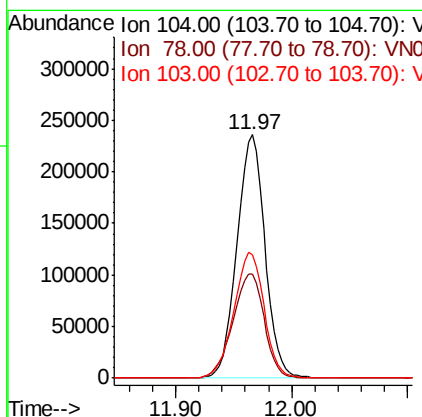
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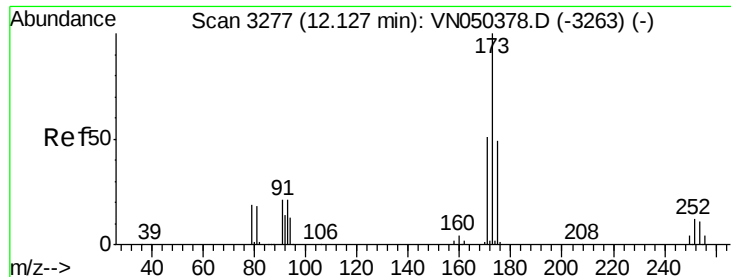
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#70
Styrene
Concen: 19.98 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	396330		
78	78	48.0	39.3	58.9	
103	103	55.9	45.0	67.6	





#71

Bromoform

Concen: 18.41 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

Tot Ion:173 Resp: 100778

Ion Ratio Lower Upper

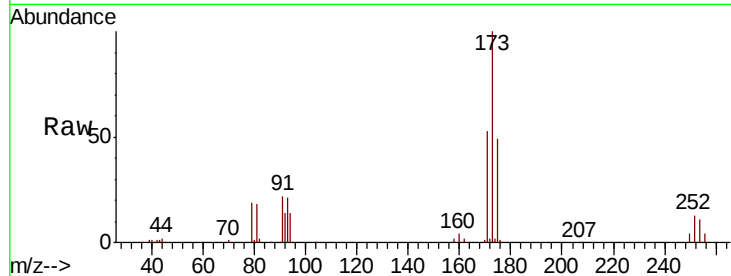
173 100

175 49.4 24.1 72.2

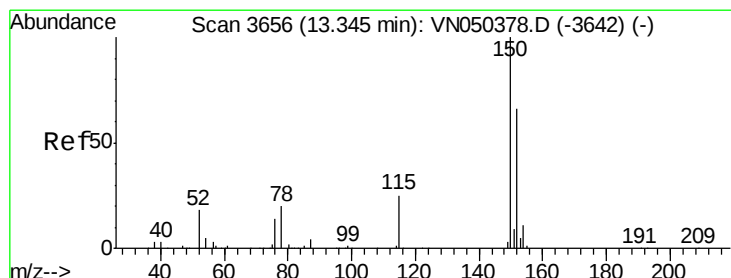
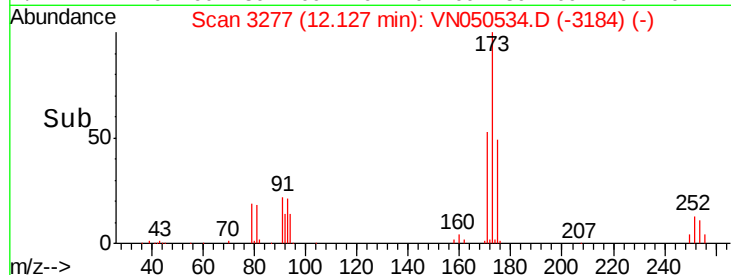
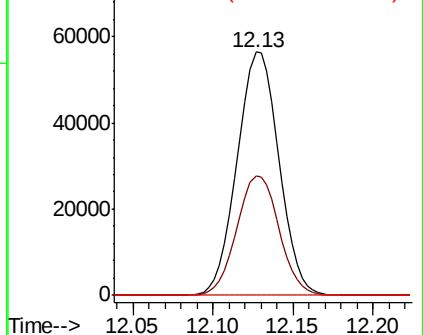
254 0.0 0.2 0.2#

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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: VN050534.D

Acq: 10 Aug 2018 22:48

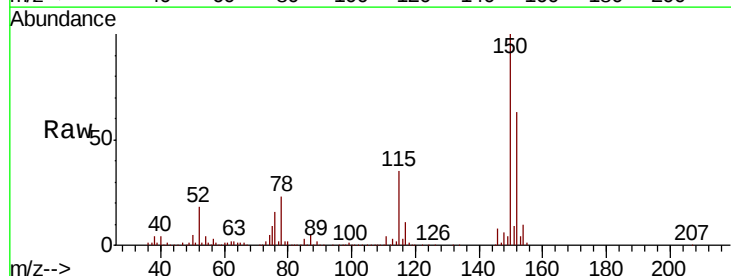
Tgt Ion:152 Resp: 415549

Ion Ratio Lower Upper

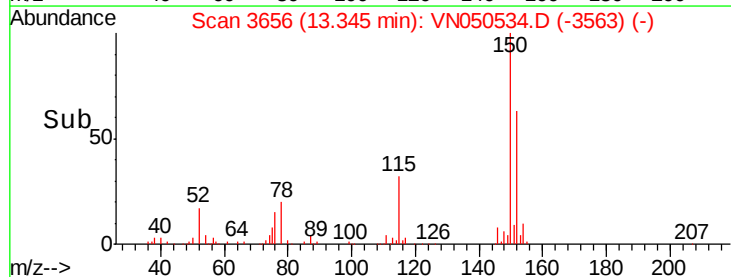
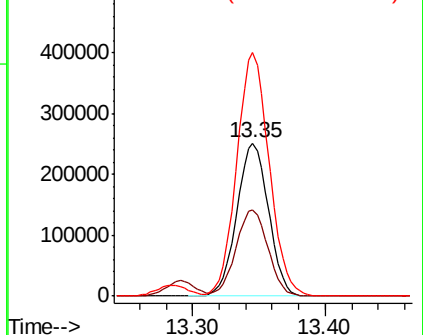
152 100

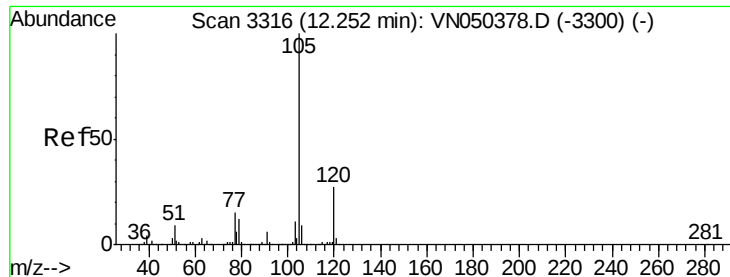
115 57.1 27.8 83.3

150 163.6 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: 20.47 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

Tot Ion: 105 Resp: 638563

Ion Ratio Lower Upper

105 100

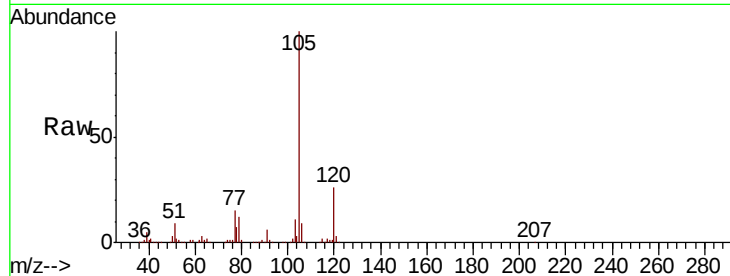
120 26.4 13.3 39.8

Manual Integrations

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8/13/2018 11:05:51 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

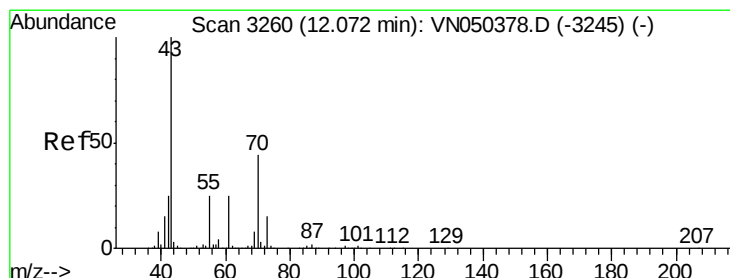
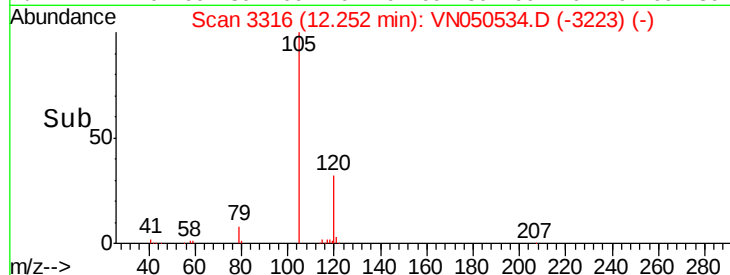
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 17.56 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Tgt Ion: 43 Resp: 177573

Ion Ratio Lower Upper

43 100

70 42.6 34.4 51.6

55 27.0 20.8 31.2

61 24.2 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

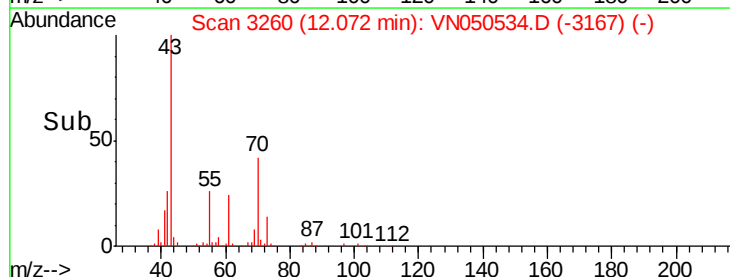
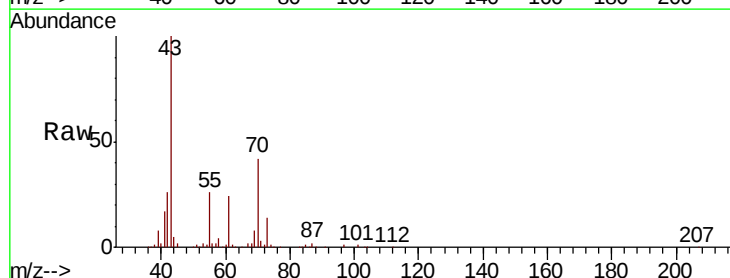
150000

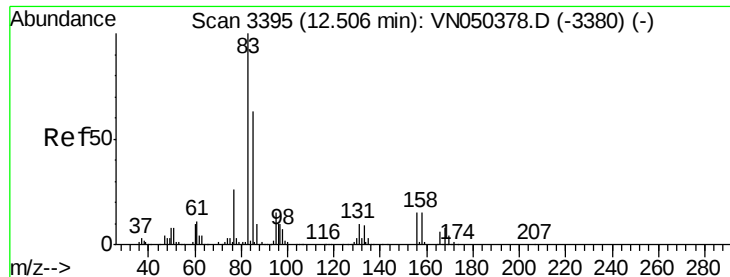
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.53 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampled :

VN0810WBS02

Tot Ion: 83 Resp: 175749

Ion Ratio Lower Upper

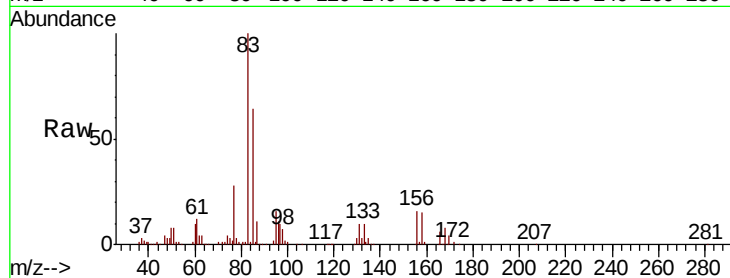
83 100

131 10.3 5.1 15.3

85 63.6 32.3 96.8

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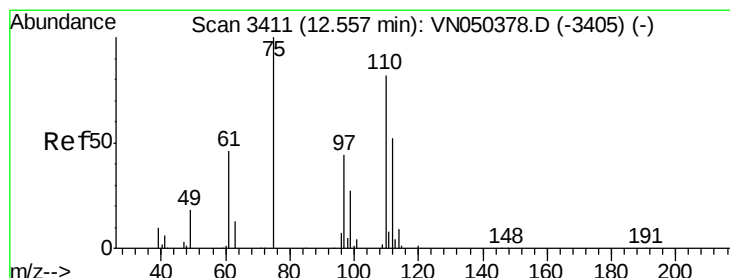
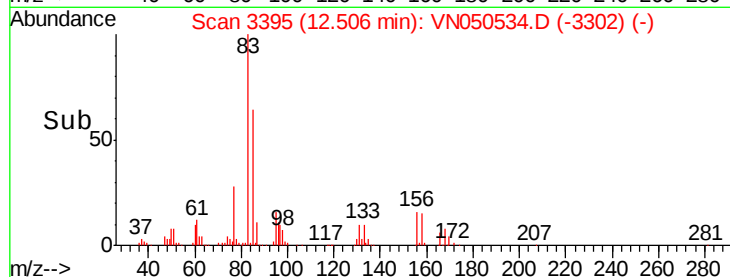
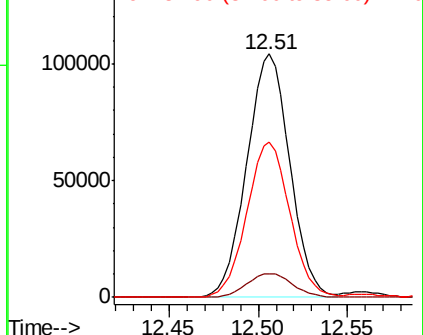
MMDadoda
8/13/2018 11:05:51 AM



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 18.75 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050534.D

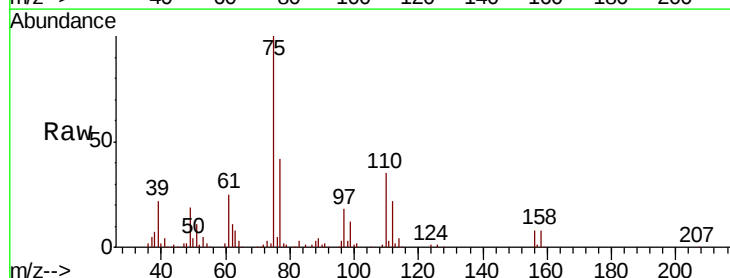
Acq: 10 Aug 2018 22:48

Tgt Ion: 75 Resp: 141021

Ion Ratio Lower Upper

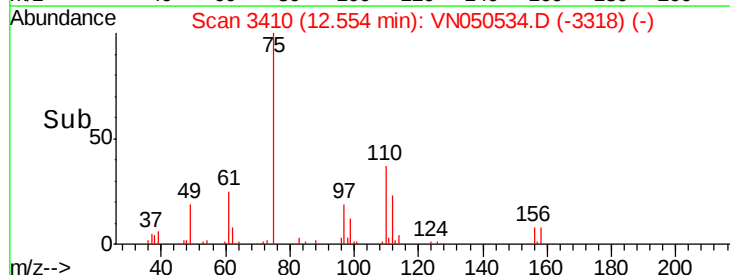
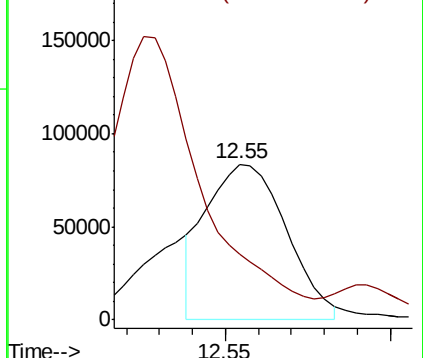
75 100

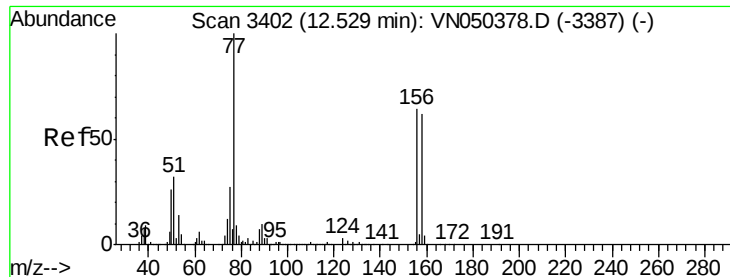
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 20.24 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

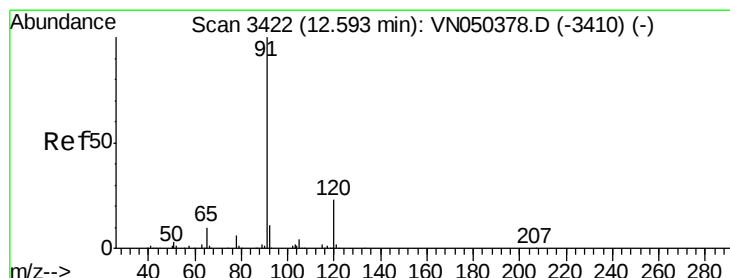
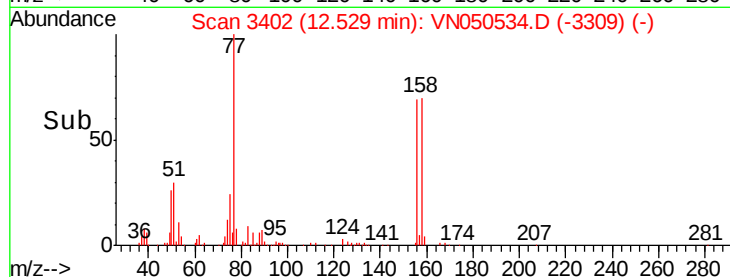
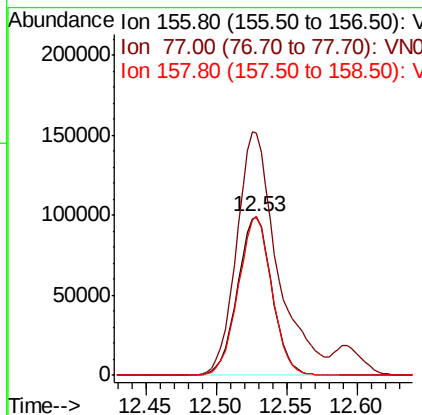
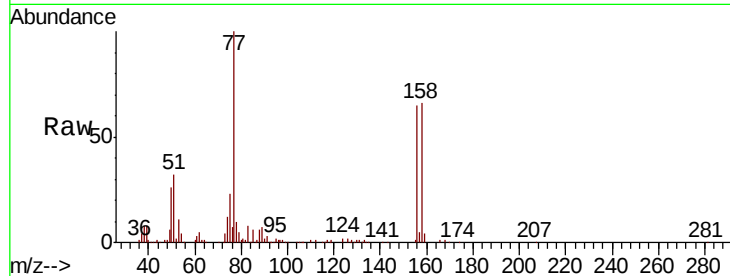
ClientSampled :

VN0810WBS02

Tot Ion:	156	Resp:	169124
Ion Ratio	Lower	Upper	
156	100		
77	181.0	91.7	275.1
158	97.9	48.9	146.6

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#78

n-propylbenzene

Concen: 20.51 ug/l

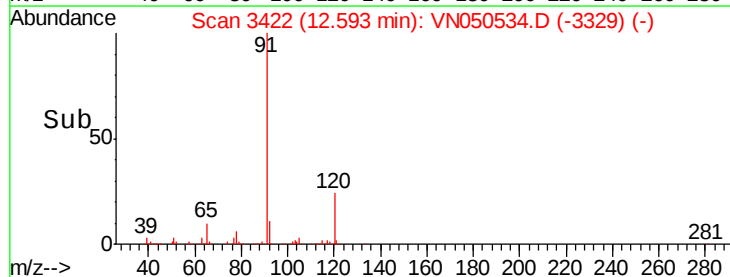
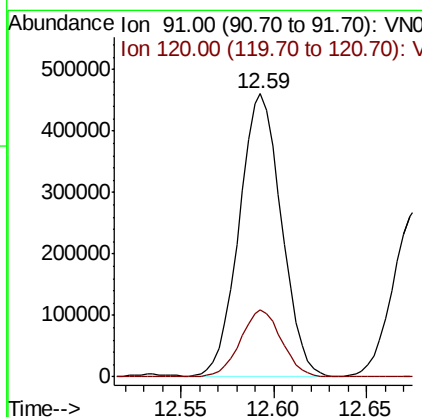
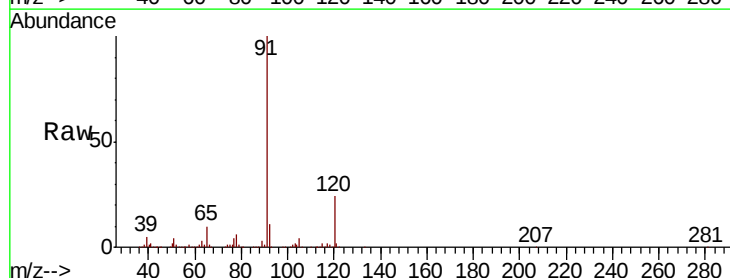
RT: 12.59 min Scan# 3422

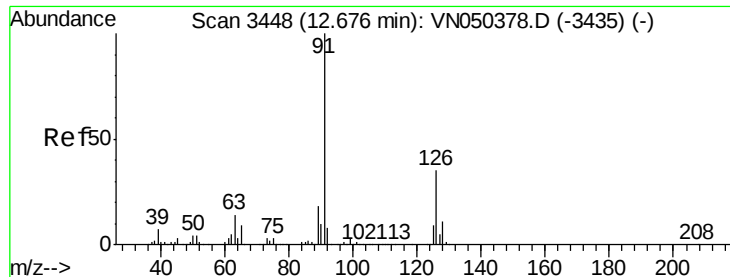
Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Tgt Ion:	91	Resp:	724091
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.6	34.7





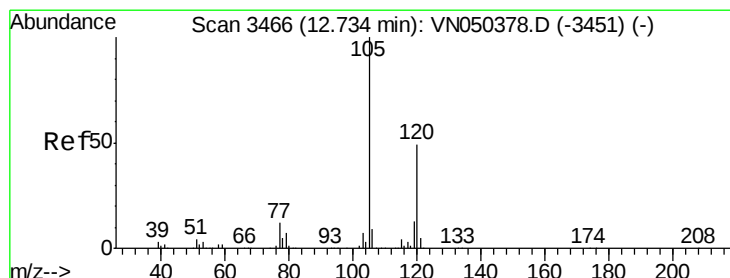
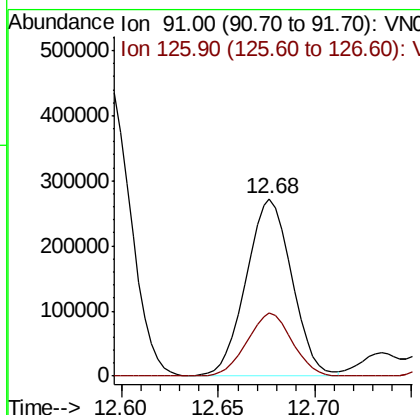
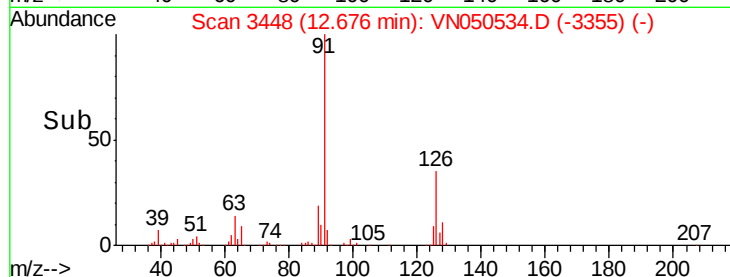
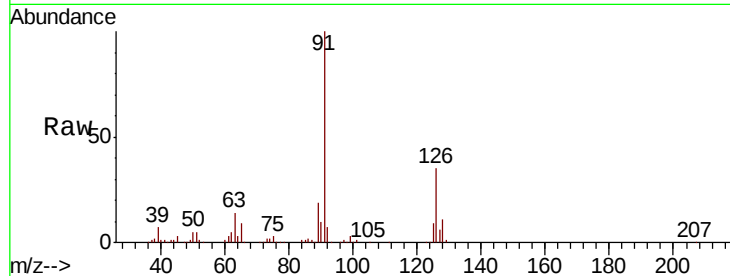
#79
 2-Chlorotoluene
 Concen: 20.41 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0810WBS02

Tot Ion: 91 Resp: 445092
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.6 52.8

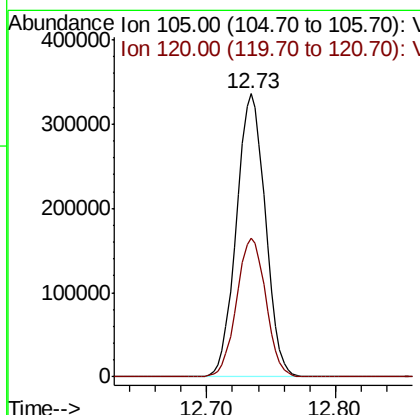
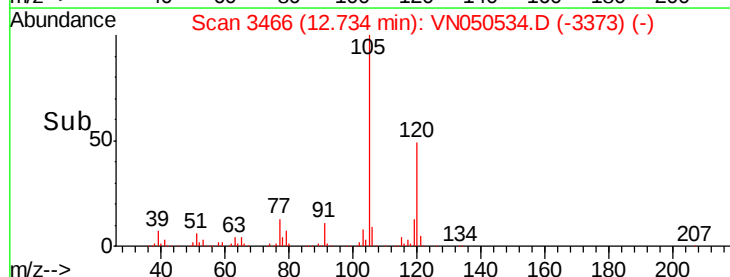
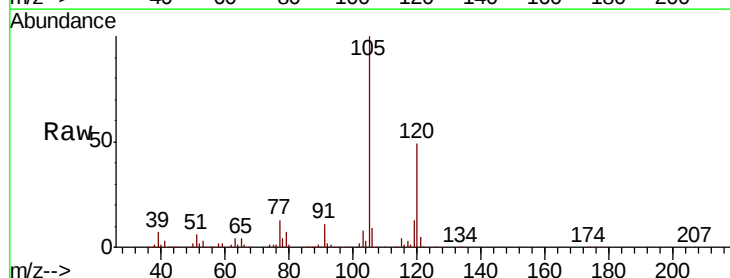
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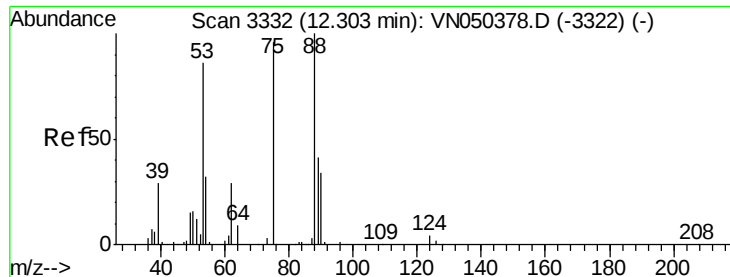
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.63 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Tgt Ion: 105 Resp: 522464
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.4 73.2





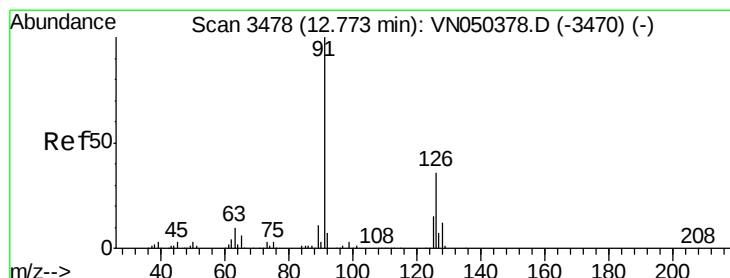
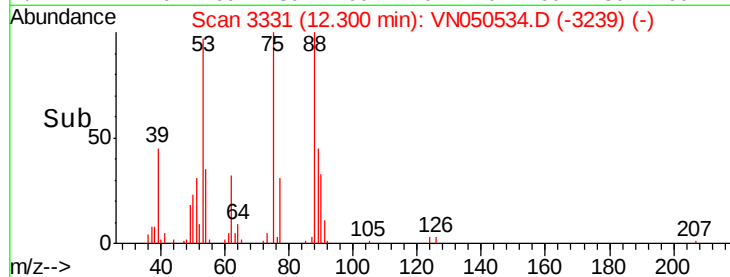
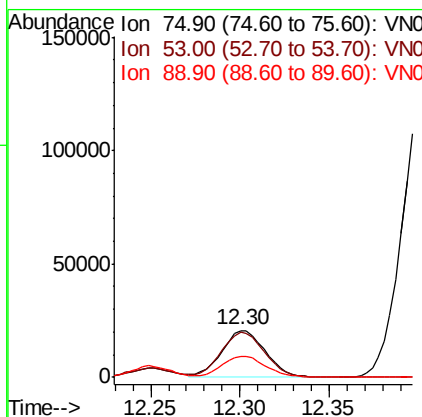
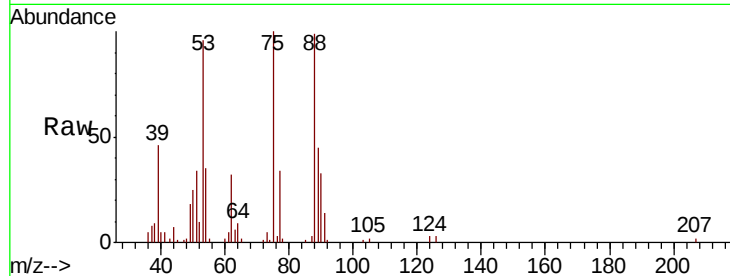
#81
trans-1,4-Dichloro-2-butene
Concen: 16.43 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.6	73.5	110.3
89	45.2	36.0	54.0

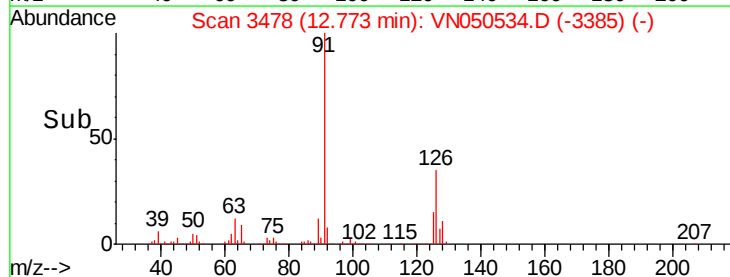
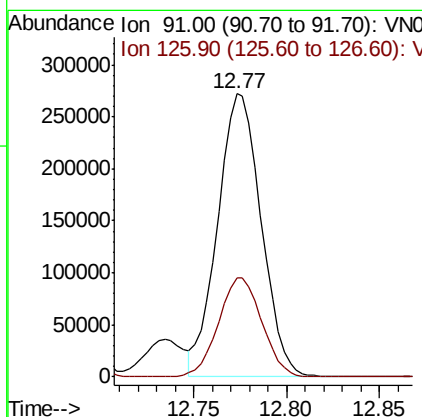
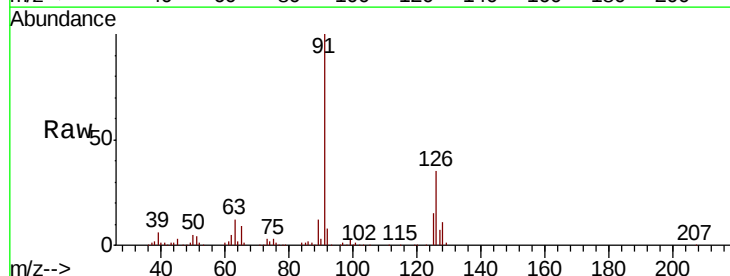
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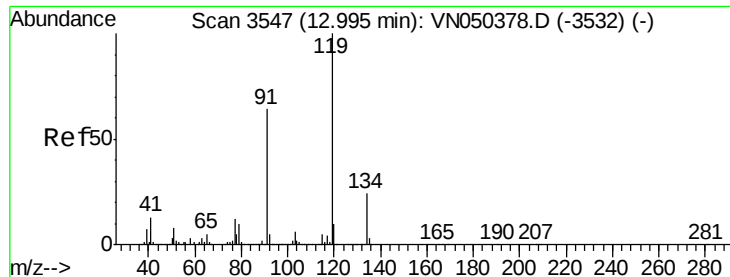
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.31 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	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: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

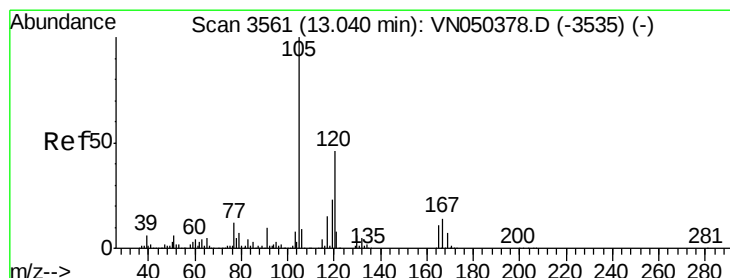
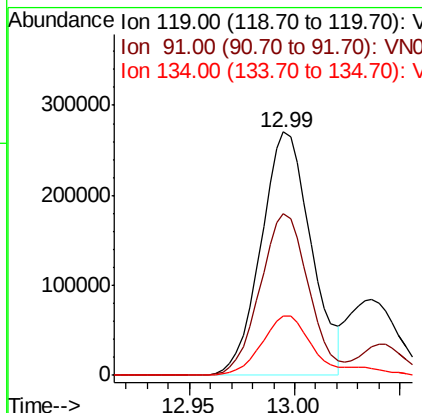
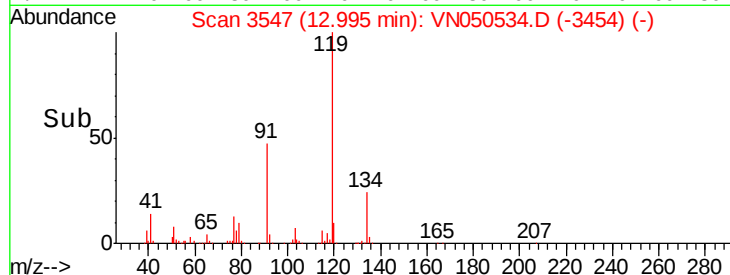
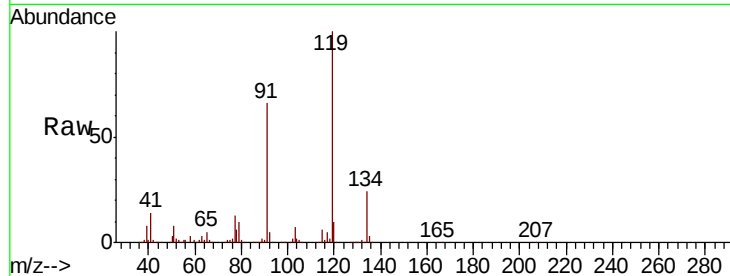
ClientSampled :

VN0810WBS02

Tot Ion:	119	Resp:	446968
Ion Ratio	Lower	Upper	
119	100		
91	64.4	32.1	96.3
134	24.0	13.2	39.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.00 ug/l

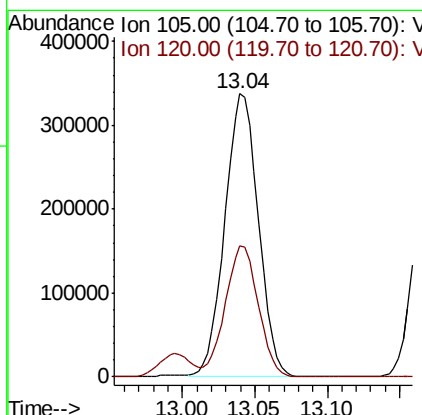
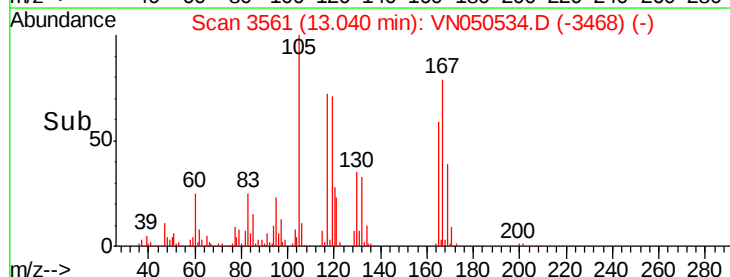
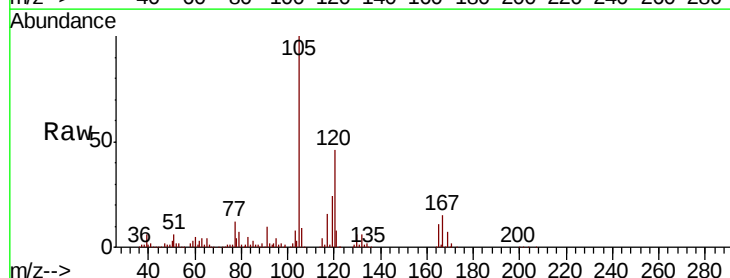
RT: 13.04 min Scan# 3561

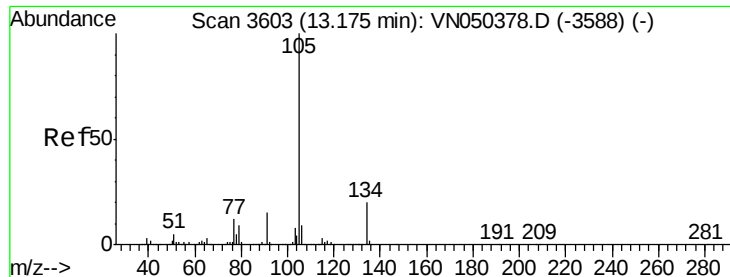
Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Tgt Ion:	105	Resp:	538587
Ion Ratio	Lower	Upper	
105	100		
120	45.6	22.9	68.7





#85

sec-Butylbenzene

Concen: 19.97 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS02

Tot Ion:105 Resp: 587908

Ion Ratio Lower Upper

105 100

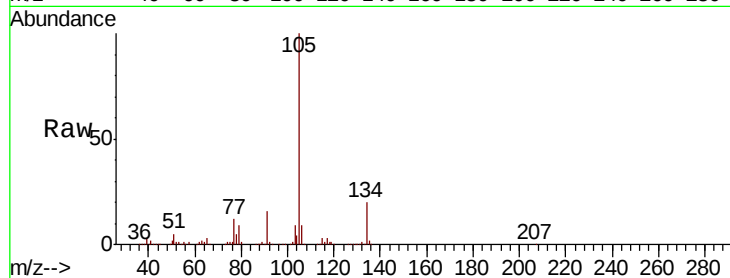
134 19.9 10.1 30.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

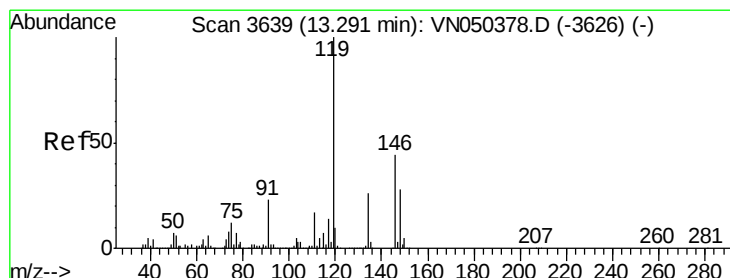
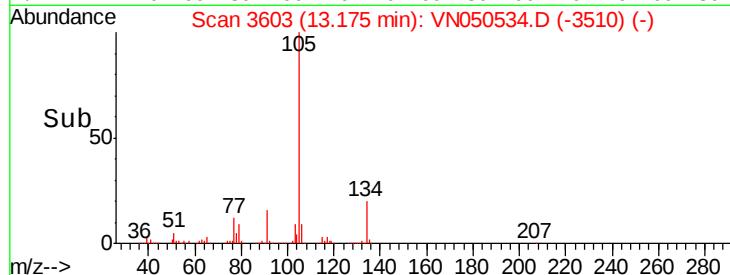
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 19.91 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

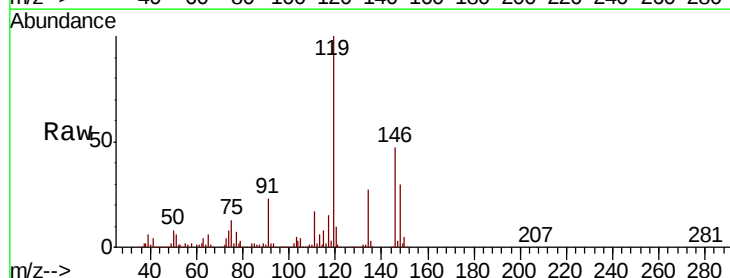
Tgt Ion:119 Resp: 502321

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 23.0 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

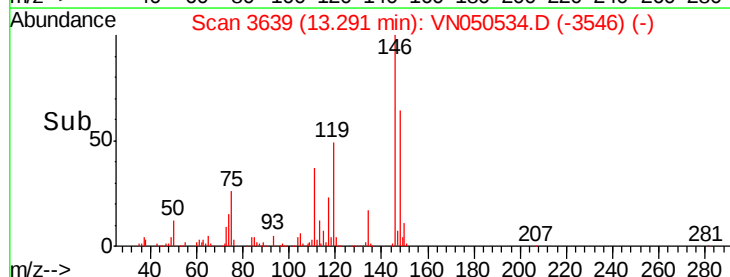
300000

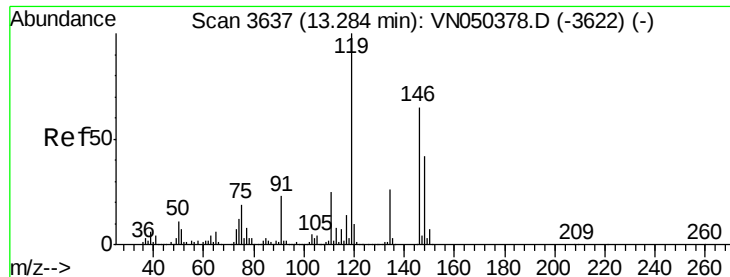
200000

100000

0

Time--> 13.25 13.30 13.35





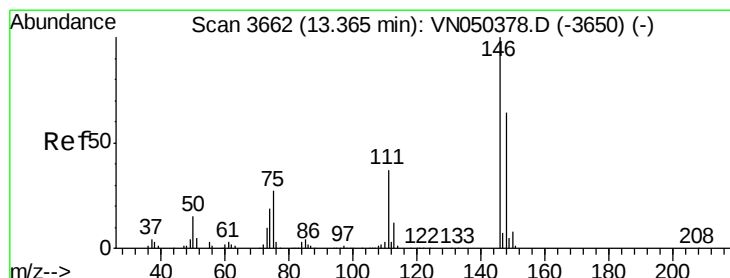
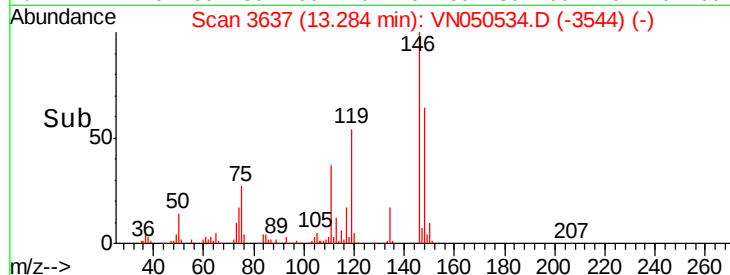
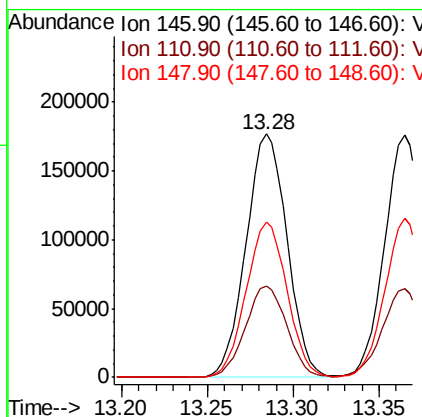
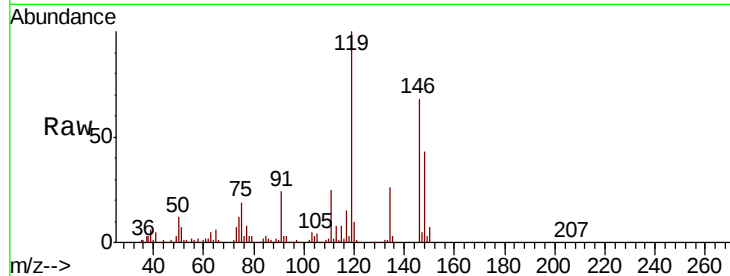
#87
 1,3-Dichlorobenzene
 Concen: 19.68 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	292993		
111	37.8	18.8	56.4	
148	63.5	31.9	95.9	

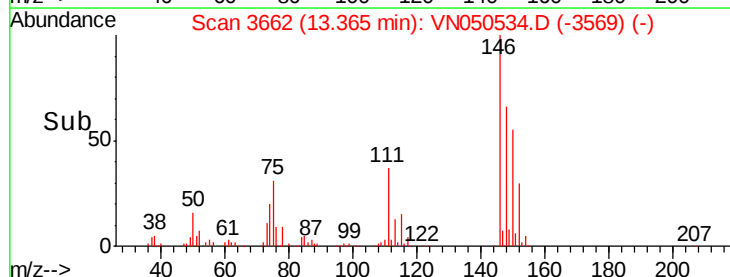
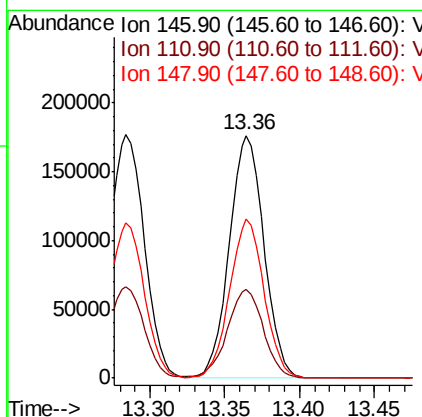
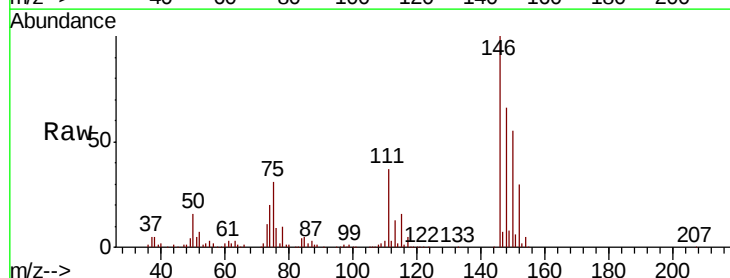
Manual Integrations
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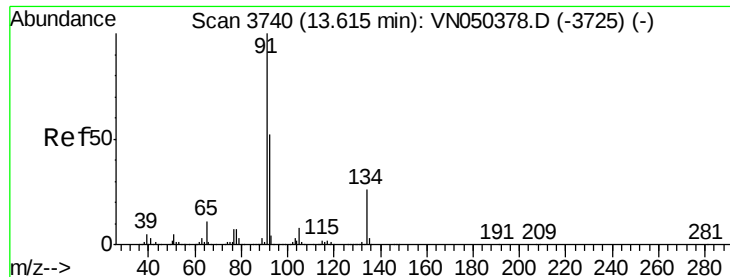
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#88
 1,4-Dichlorobenzene
 Concen: 19.11 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	284053		
111	38.1	18.3	54.9	
148	65.1	31.9	95.9	





#89

n-Butylbenzene

Concen: 17.66 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Instrument :

MSVOA_N

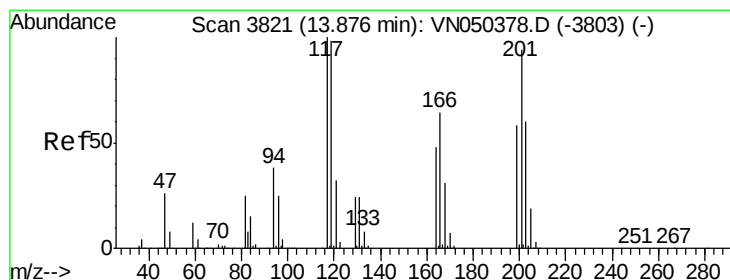
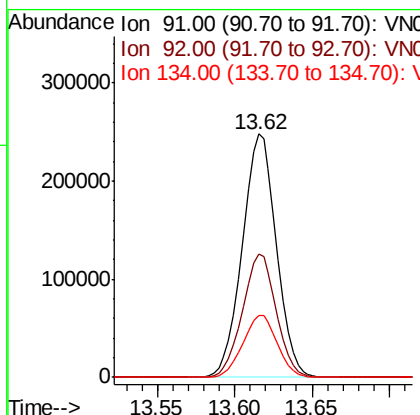
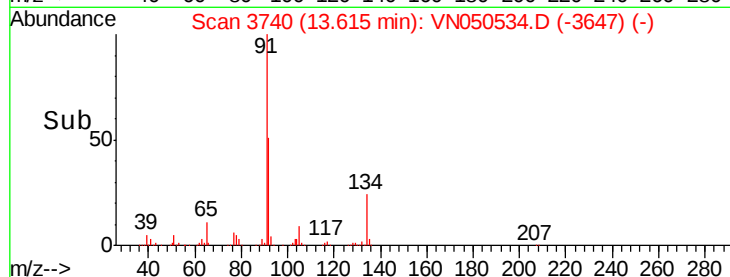
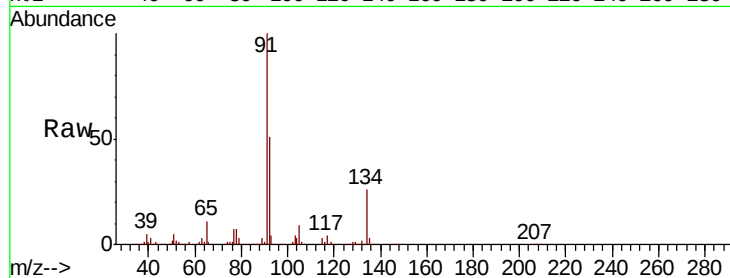
ClientSampleId :

VN0810WBS02

Tot Ion:	91	Resp:	379420
Ion Ratio	Lower	Upper	
91	100		
92	50.3	25.8	77.4
134	25.7	12.8	38.4

Manual Integrations
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#90

Hexachloroethane

Concen: 19.74 ug/l

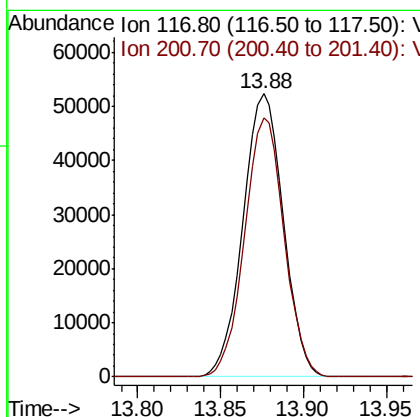
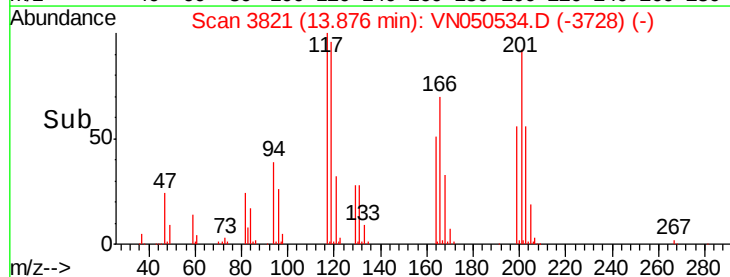
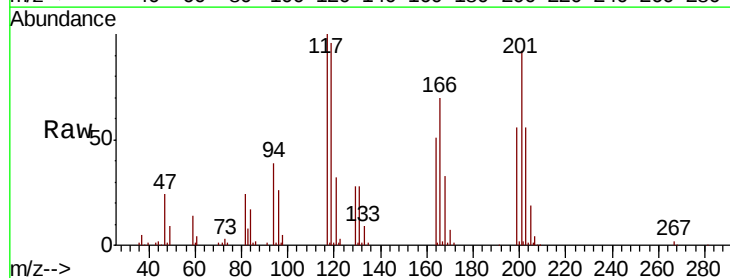
RT: 13.88 min Scan# 3821

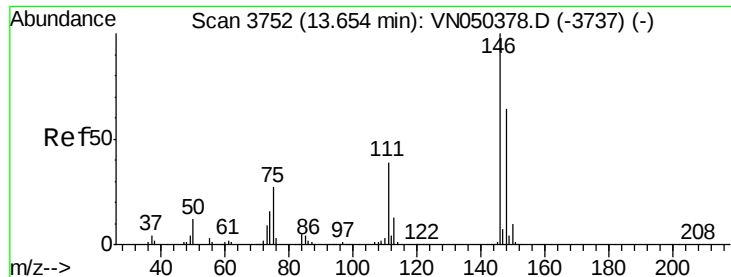
Delta R.T. 0.00 min

Lab File: VN050534.D

Acq: 10 Aug 2018 22:48

Tgt Ion:	117	Resp:	88588
Ion Ratio	Lower	Upper	
117	100		
201	89.6	45.6	136.8





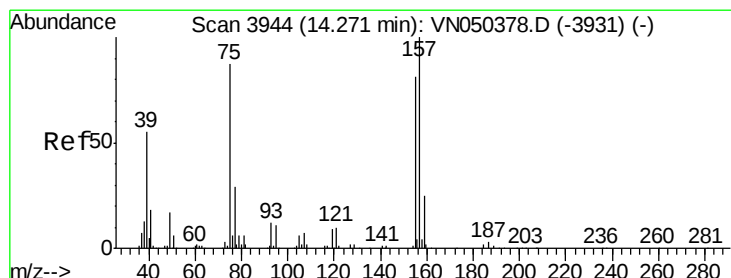
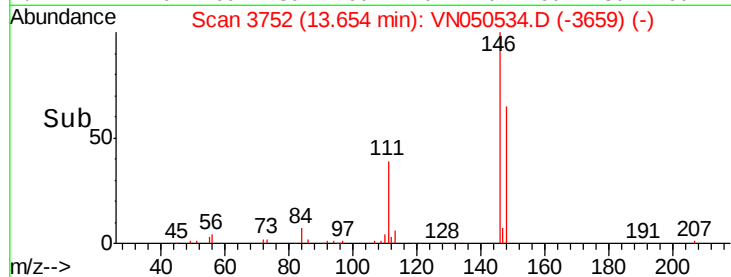
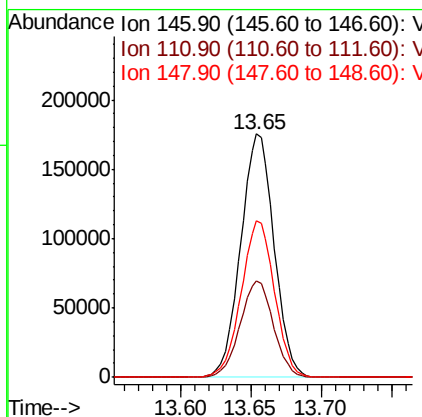
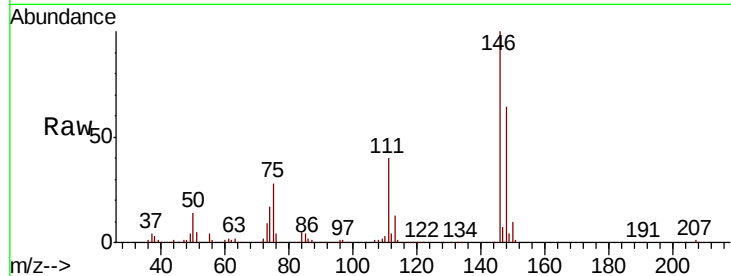
#91
 1,2-Dichlorobenzene
 Concen: 19.49 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	64.1	32.1	96.3

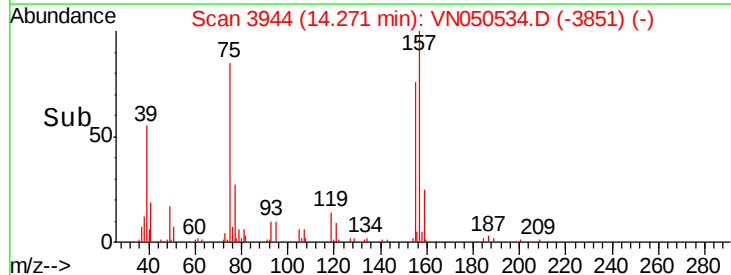
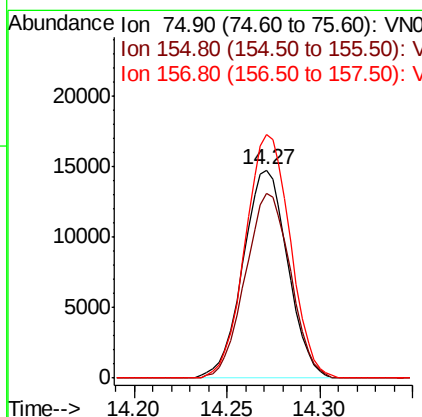
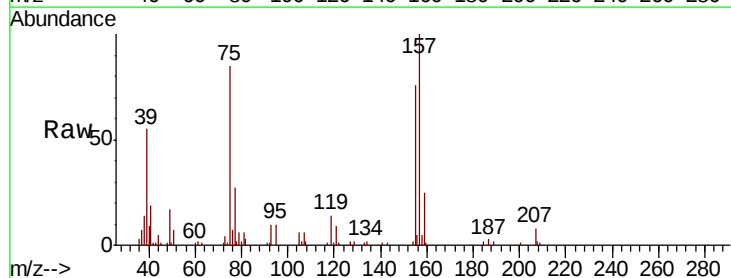
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.14 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	44.8	134.4
157	117.4	57.2	171.6





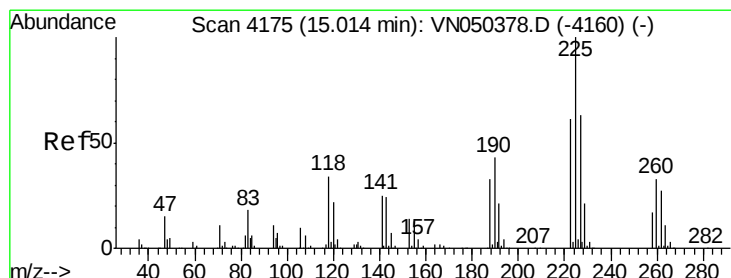
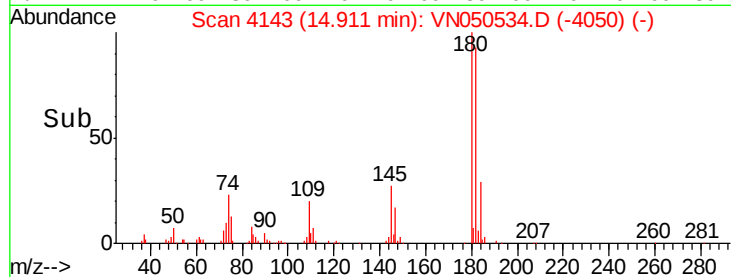
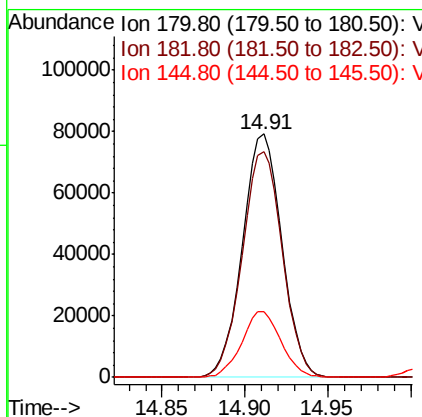
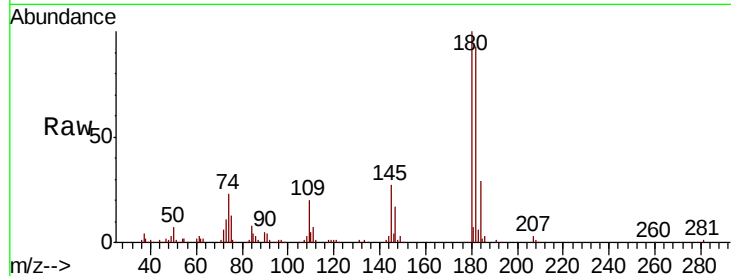
#93
 1,2,4-Trichlorobenzene
 Concen: 17.24 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	130996		
182	94.2	46.7	140.1	
145	26.8	13.8	41.4	

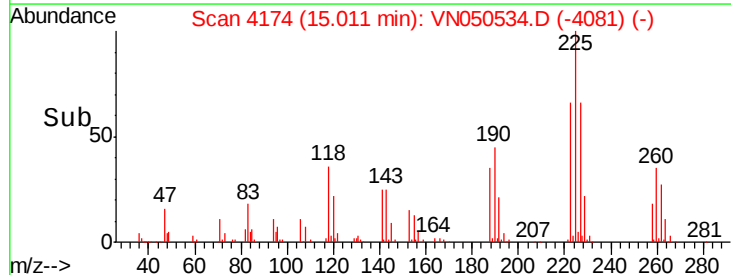
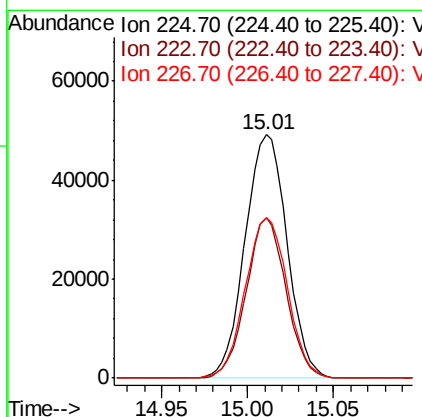
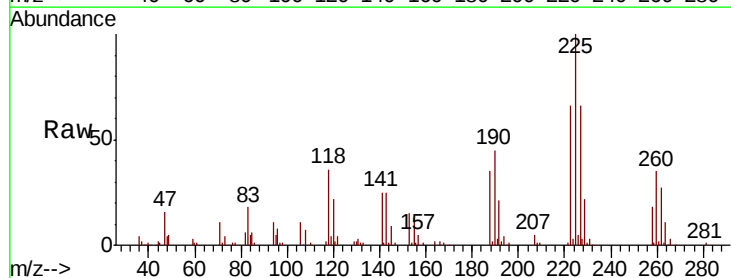
Manual Integrations
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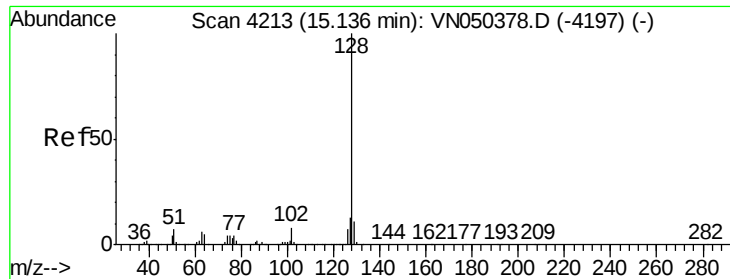
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#94
 Hexachlorobutadiene
 Concen: 19.05 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050534.D
 Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	83286		
223	62.4	31.4	94.2	
227	65.9	32.1	96.5	





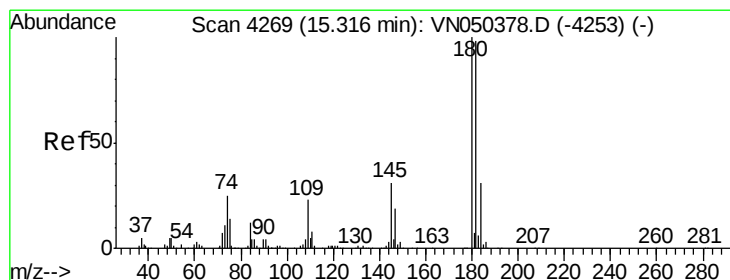
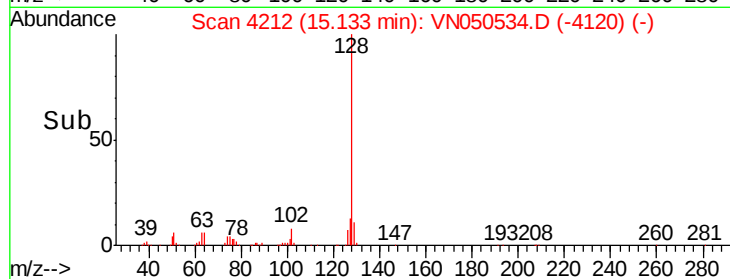
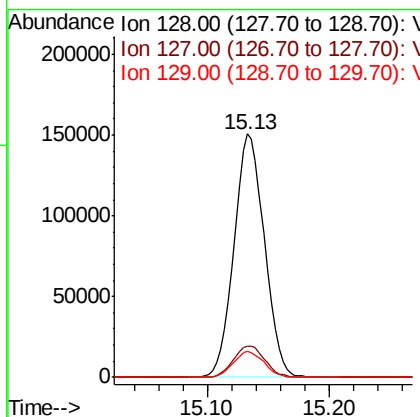
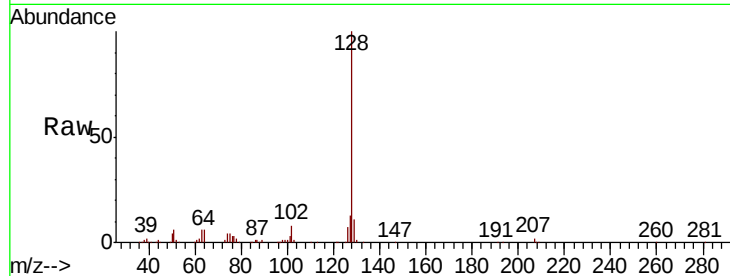
#95
Naphthalene
Concen: 15.60 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Instrument :
MSVOA_N
ClientSampled :
VN0810WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	259959		
127	13.3		10.4	15.6
129	10.7		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 16.73 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050534.D
Acq: 10 Aug 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	128524		
182	95.7		48.1	144.4
145	29.5		15.3	45.9

