

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050998.D
 Acq On : 31 Aug 2018 19:45
 Operator : MD\SY
 Sample : VN0831WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0831WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/4/2018 12:28:17 PM

Quant Time: Sep 01 01:55:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	116575	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	632642	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	542946	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	219538	29.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.37%
60) 4-Bromofluorobenzene	12.40	95	236451	29.29	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.63%
63) Toluene-d8	10.09	98	792195	31.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.30%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	145174	20.05	ug/l	97
3) Chloromethane	2.06	50	162596	19.02	ug/l	99
4) Vinyl Chloride	2.18	62	163508	19.36	ug/l	99
5) Bromomethane	2.57	94	95104	18.47	ug/l	99
6) Chloroethane	2.70	64	97211	19.51	ug/l	99
7) Trichlorofluoromethane	3.02	101	221956	19.82	ug/l	99
8) Diethyl Ether	3.41	74	73668	18.66	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	138601	19.99	ug/l	98
10) 1,1-Dichloroethene	3.74	96	120533	19.14	ug/l	97
11) Methyl Iodide	3.95	142	101367	17.25	ug/l	100
12) Methyl Acetate	4.33	43	139021	19.09	ug/l	98
13) Acrolein	3.61	56	7865	48.76	ug/l	93
14) Acrylonitrile	4.99	53	203756	82.74	ug/l	99
15) Acetone	3.82	58	48429	76.85	ug/l	99
16) Carbon Disulfide	4.05	76	339799	17.94	ug/l	99
17) Allyl chloride	4.33	41	180499	18.21	ug/l	97
18) Methylene Chloride	4.55	84	144815	19.59	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	129653	19.32	ug/l	98
20) Diisopropyl ether	5.96	45	403716	19.62	ug/l	99
21) 1,1-Dichloroethane	5.85	63	246909	19.57	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	144532	19.06	ug/l	98
23) tert-Butyl Alcohol	4.79	59	37414	71.44	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	313570	18.20	ug/l	98
25) Chloroform	7.37	83	252435	20.05	ug/l	98
26) Cyclohexane	7.65	56	194075	18.57	ug/l	# 99
29) 1,1-Dichloropropene	7.80	75	181890	19.20	ug/l	98
30) 2-Butanone	6.84	43	215660	74.02	ug/l	100
31) 2,2-Dichloropropane	6.83	77	184268	19.99	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	210300	19.58	ug/l	98
33) Carbon Tetrachloride	7.78	117	186526	19.28	ug/l	96
34) Benzene	8.04	78	563681	19.24	ug/l	99
35) Methacrylonitrile	7.17	41	43673	13.68	ug/l	95
36) 1,2-Dichloroethane	8.13	62	171097	19.31	ug/l	100
37) Trichloroethene	8.84	130	148665	19.41	ug/l	98
38) Methylcyclohexane	9.08	83	184608	18.15	ug/l	99
39) 1,2-Dichloropropane	9.12	63	150935	19.72	ug/l	99
40) Dibromomethane	9.21	93	86417	18.75	ug/l	98

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Manual Integrations
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Quant Time: Sep 01 01:55:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	187434	19.29	ug/l	99
42) Vinyl Acetate	5.90	43	1147964	85.54	ug/l	100
43) Ethyl Acetate	6.94	43	98373	16.48	ug/l	98
44) Isopropyl Acetate	8.17	43	181224	17.21	ug/l	98
45) 1,4-Dioxane	9.20	88	23926	305.81	ug/l	96
46) Methyl methacrylate	9.20	41	84931	16.10	ug/l	96
47) n-amyl Acetate	12.07	43	120807	14.27	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	169200	17.76	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	205170	18.75	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	126053	18.82	ug/l	99
51) Ethyl methacrylate	10.43	69	132391	16.16	ug/l	97
52) 1,3-Dichloropropane	10.71	76	204987	18.48	ug/l	99
53) Dibromochloromethane	10.90	129	140891	18.50	ug/l	98
54) 1,2-Dibromoethane	11.01	107	117839	17.79	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	268449	78.73	ug/l	99
56) Bromoform	12.13	173	91661	16.92	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	504760	81.25	ug/l	99
59) 2-Hexanone	10.75	43	305124	75.14	ug/l	99
61) Tetrachloroethene	10.63	164	135942	20.09	ug/l	98
62) Toluene	10.16	91	602135	19.88	ug/l	99
64) Chlorobenzene	11.44	112	366597	19.53	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	142728	20.14	ug/l	99
66) Ethyl Benzene	11.51	91	594495	18.95	ug/l	99
67) m/p-Xylenes	11.62	106	473070	39.19	ug/l	100
68) o-Xylene	11.95	106	225343	19.54	ug/l	99
69) Styrene	11.97	104	347741	18.96	ug/l	99
70) Isopropylbenzene	12.25	105	592283	19.32	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	150025	18.08	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	124830m	17.44	ug/l	
73) Bromobenzene	12.53	156	151628	18.80	ug/l	98
74) n-propylbenzene	12.59	91	653977	18.87	ug/l	100
75) 2-Chlorotoluene	12.68	91	406773	19.32	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	489507	19.54	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	31362	15.38	ug/l	99
78) 4-Chlorotoluene	12.77	91	392402	18.93	ug/l	99
79) tert-butylbenzene	12.99	119	426666	19.61	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	492457	19.72	ug/l	99
81) sec-Butylbenzene	13.17	105	545365	19.16	ug/l	100
82) p-Isopropyltoluene	13.29	119	462938	18.84	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	253056	18.56	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	230460	17.84	ug/l	98
85) n-Butylbenzene	13.62	91	323490	17.26	ug/l	99
86) Hexachloroethane	13.87	117	88061	18.67	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	251022	18.70	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18885	16.27	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	83949	14.05	ug/l	99
90) Hexachlorobutadiene	15.01	225	80241	19.77	ug/l	98
91) Naphthalene	15.13	128	153352	16.79	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	91352	15.24	ug/l	98

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Instrument :
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ClientSampleId :
VN0831WBS02

Manual Integrations
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Quant Time: Sep 01 01:55:03 2018
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

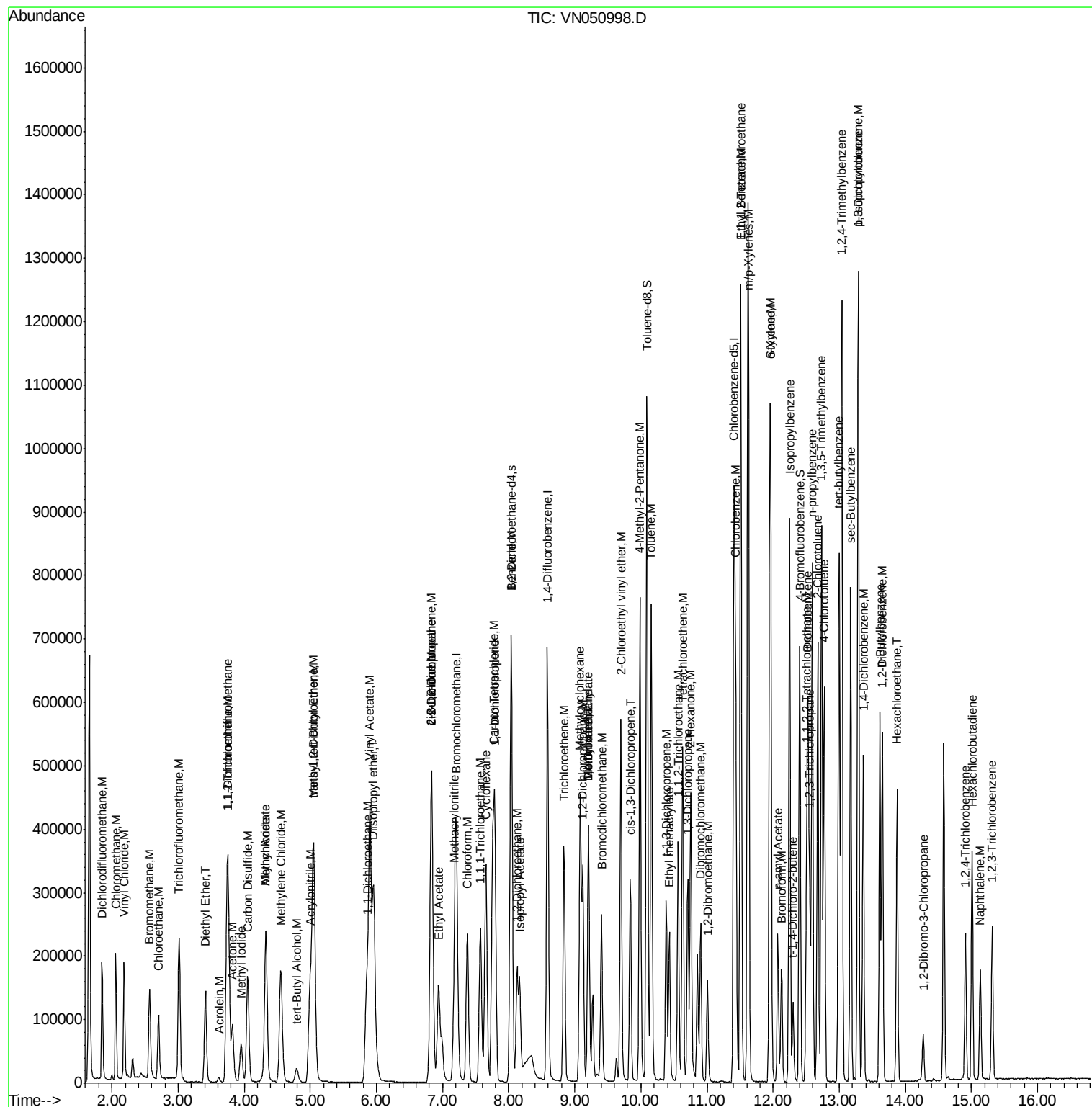
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050998.D
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 Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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 Client Sample Id :
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Manual Integrations
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Quant Time: Sep 01 01:55:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
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 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Instrument :

MSVOA_N

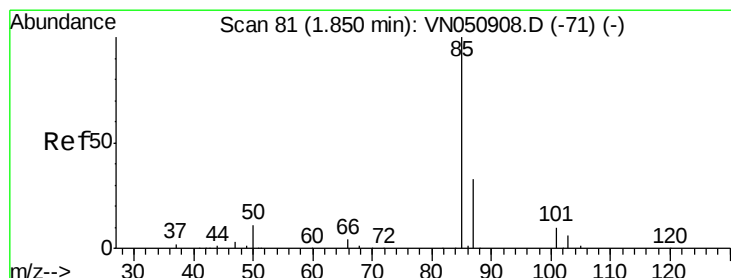
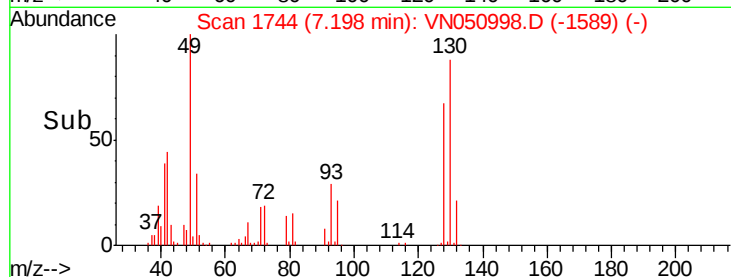
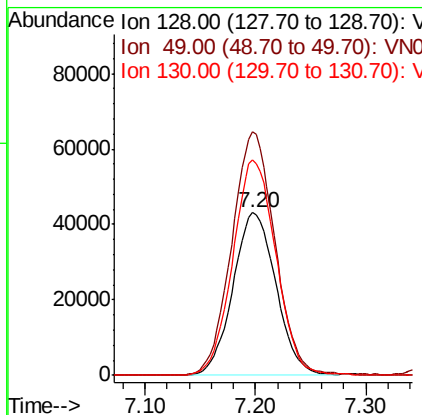
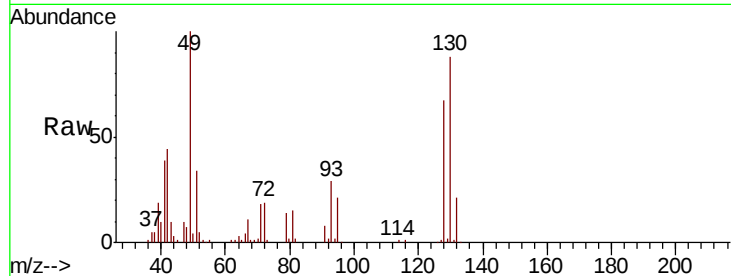
ClientSampleId :

VN0831WBS02

Tot Ion:	128	Resp:	116575
Ion	Ratio	Lower	Upper
128	100		
49	150.3	0.0	380.3
130	132.9	0.0	325.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.05 ug/l

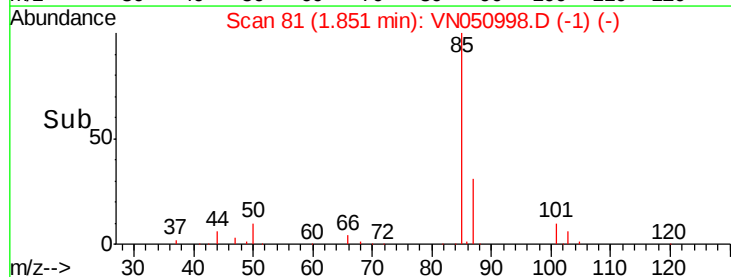
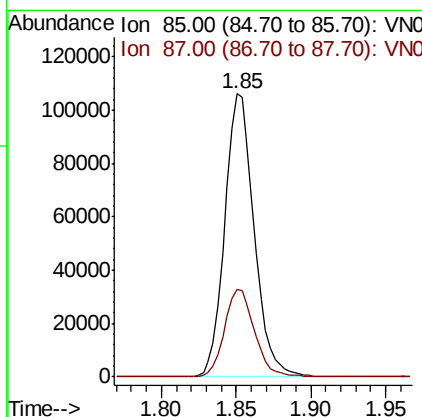
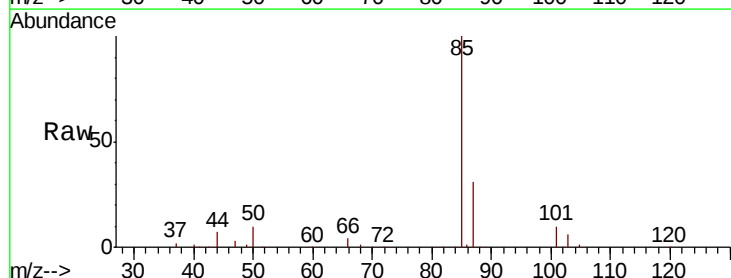
RT: 1.85 min Scan# 81

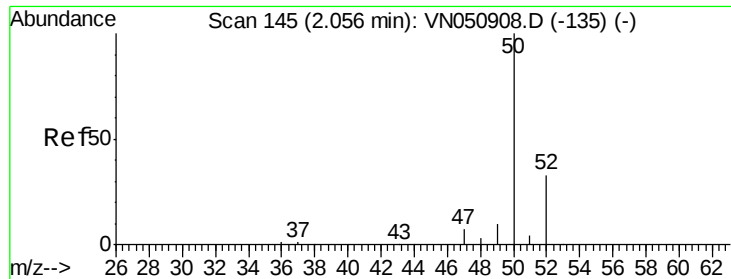
Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Tgt Ion:	85	Resp:	145174
Ion	Ratio	Lower	Upper
85	100		
87	30.9	16.4	49.1





#3

Chloromethane

Concen: 19.02 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Instrument :

MSVOA_N

ClientSampled :

VN0831WBS02

Tot Ion: 50 Resp: 162596

Ion Ratio Lower Upper

50 100

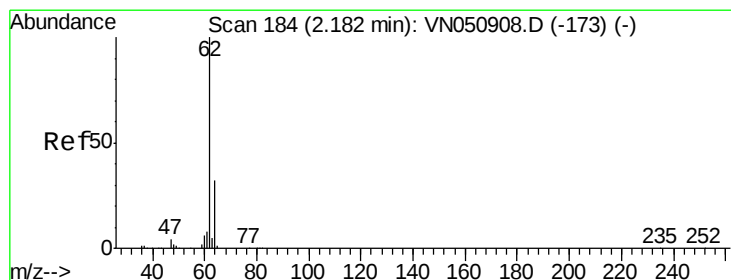
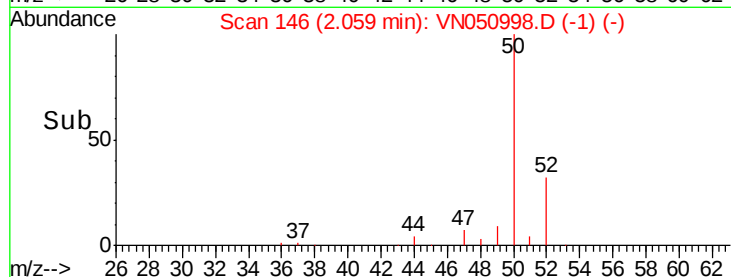
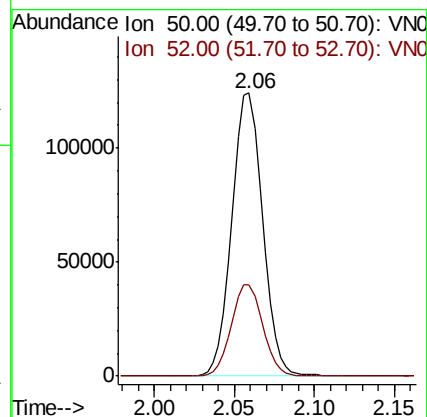
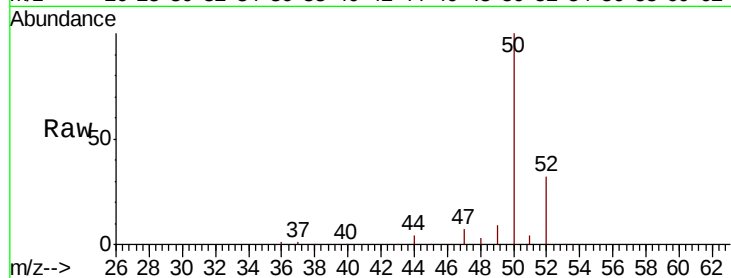
52 32.4 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.36 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050998.D

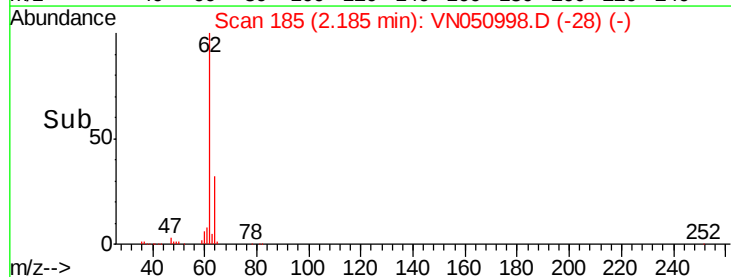
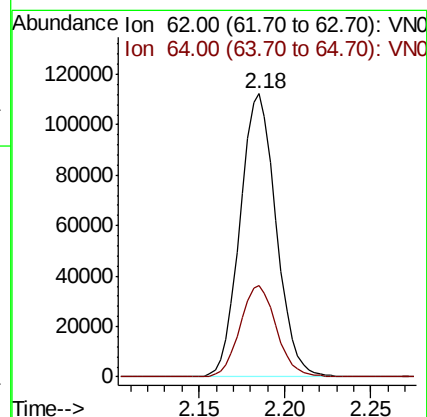
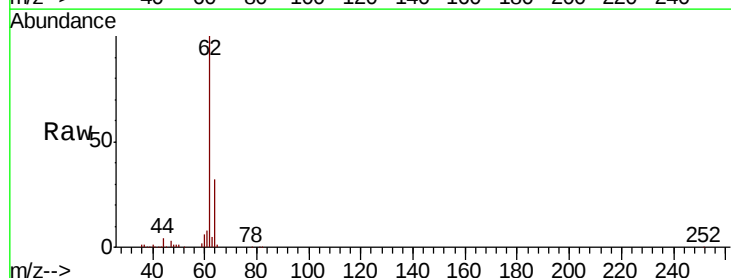
Acq: 31 Aug 2018 19:45

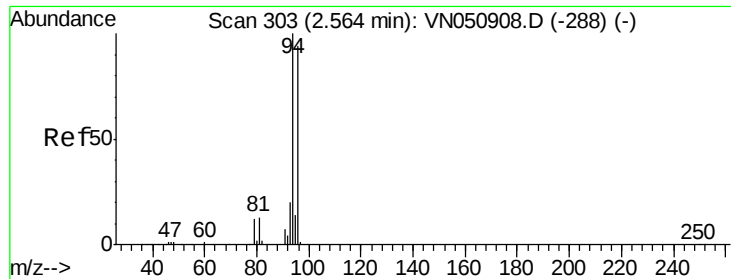
Tgt Ion: 62 Resp: 163508

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 18.47 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBS02

Tot Ion: 94 Resp: 95104

Ion Ratio Lower Upper

94 100

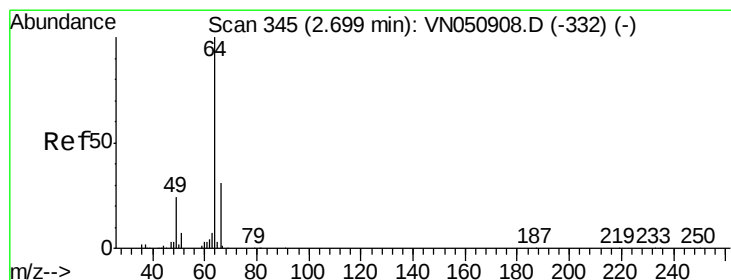
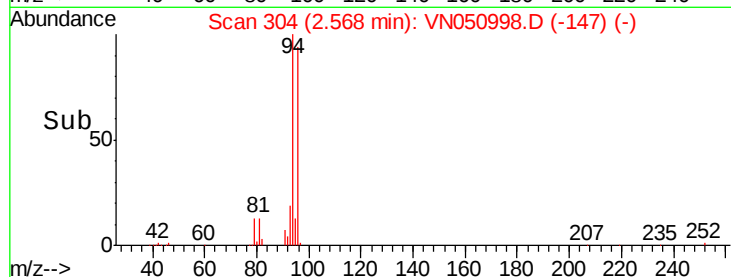
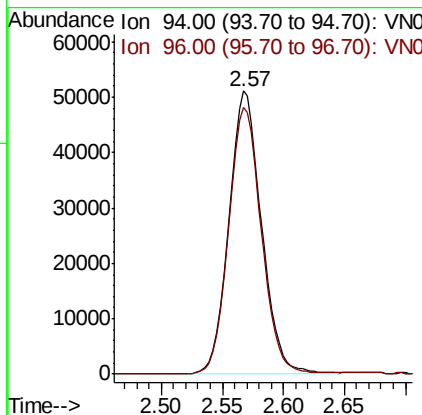
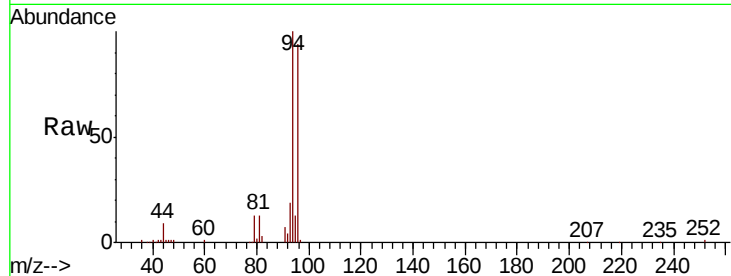
96 94.1 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 19.51 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050998.D

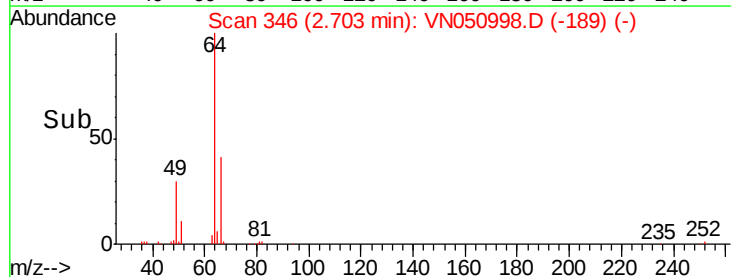
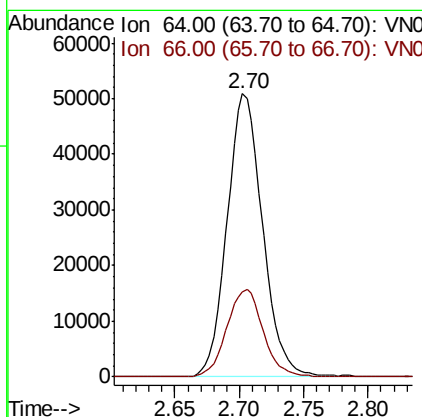
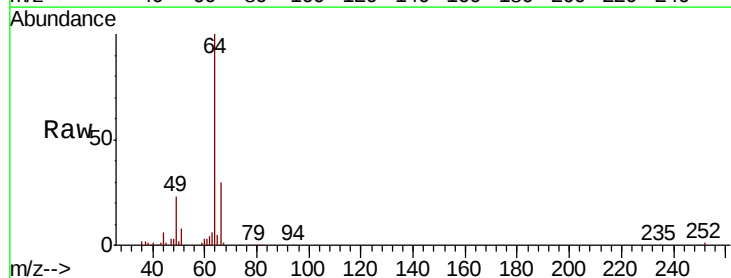
Acq: 31 Aug 2018 19:45

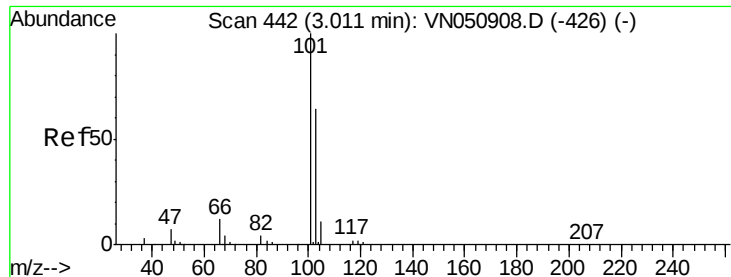
Tgt Ion: 64 Resp: 97211

Ion Ratio Lower Upper

64 100

66 30.1 24.5 36.7





#7

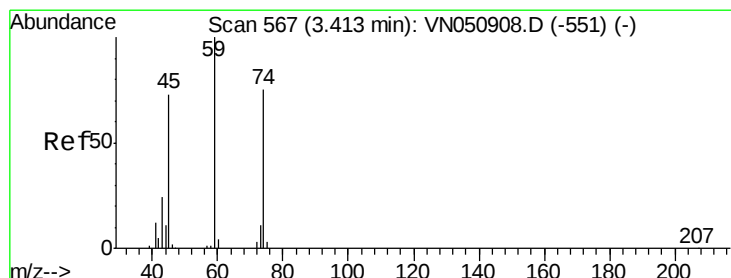
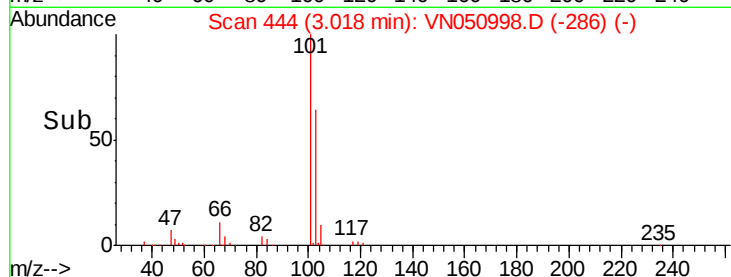
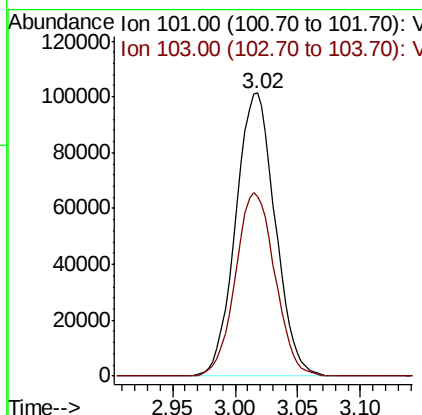
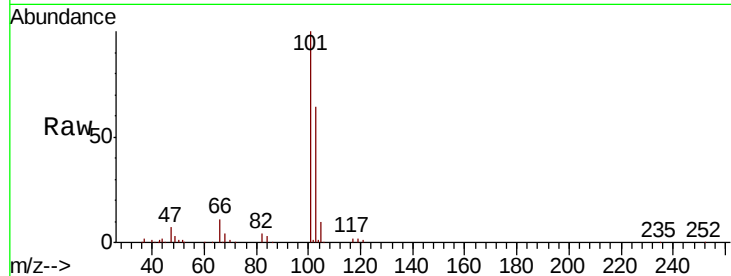
Trichlorofluoromethane
 Concen: 19.82 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.01 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	221956		
103	63.5	51.3	76.9	

Manual Integrations
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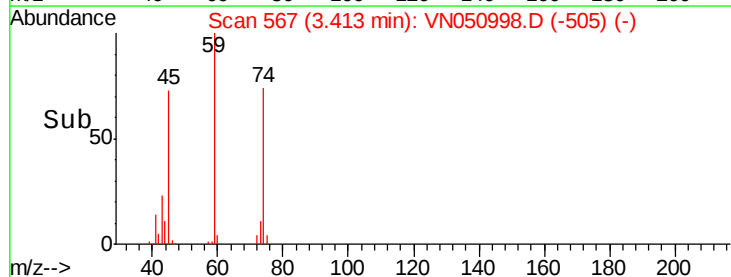
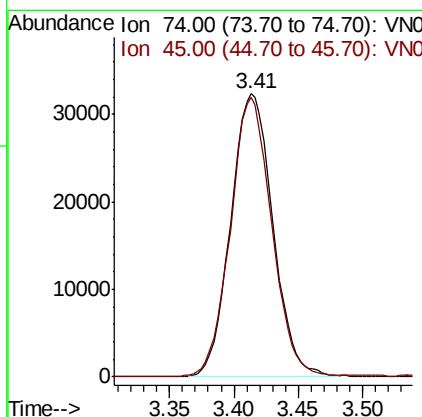
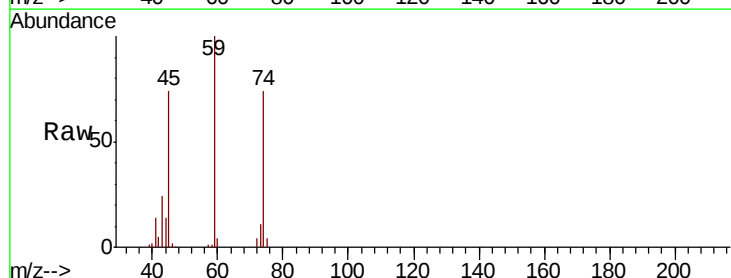
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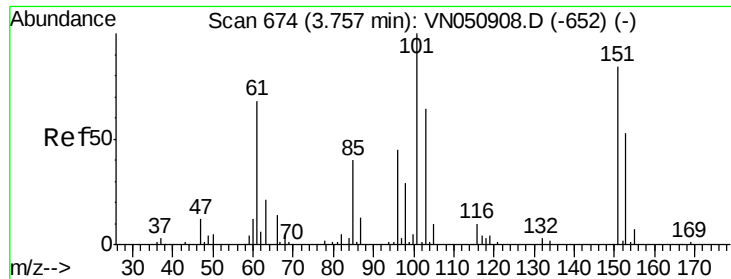


#8

Diethyl Ether
 Concen: 18.66 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	73668		
45	96.9	19.7	177.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.99 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Instrument :

MSVOA_N

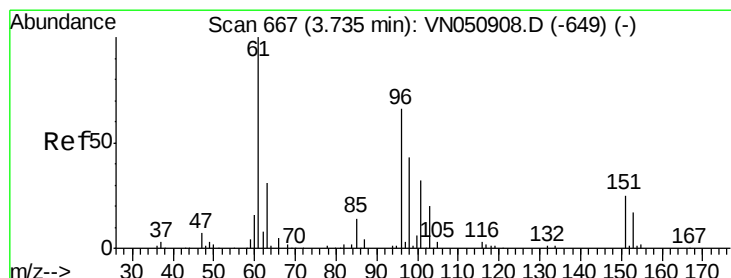
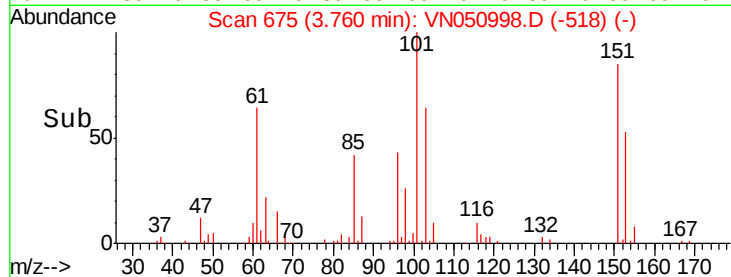
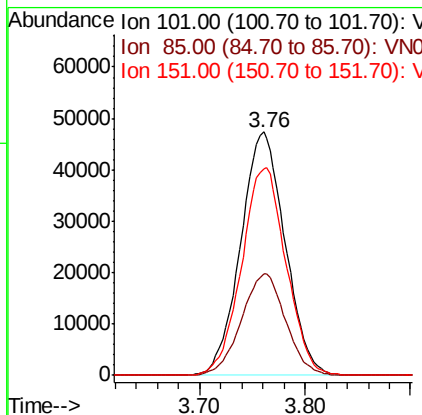
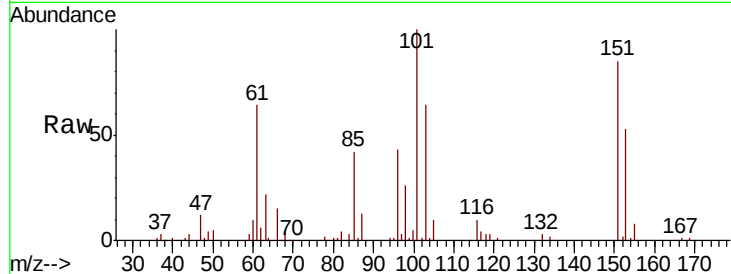
ClientSampleId :

VN0831WBS02

Tot Ion:	101	Resp:	138601
Ion Ratio	Lower	Upper	
101	100		
85	41.5	0.0	83.6
151	85.4	0.0	167.0

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#10

1,1-Dichloroethene

Concen: 19.14 ug/l

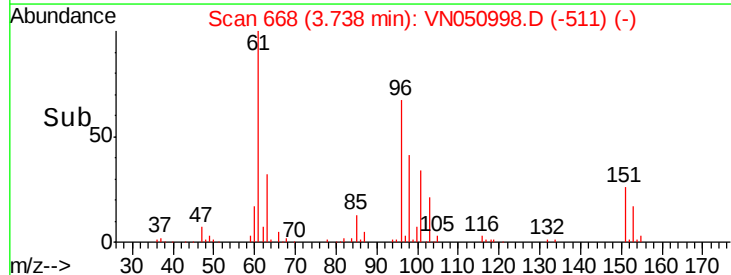
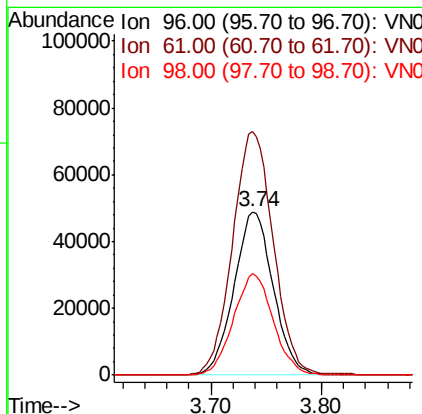
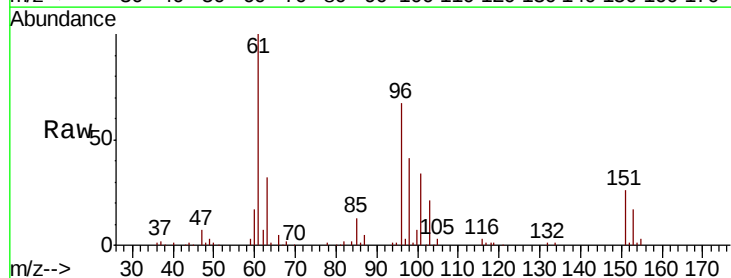
RT: 3.74 min Scan# 668

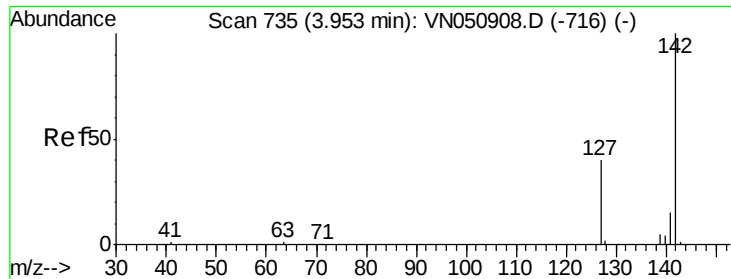
Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Tgt Ion:	96	Resp:	120533
Ion Ratio	Lower	Upper	
96	100		
61	148.5	121.8	182.8
98	61.7	52.3	78.5





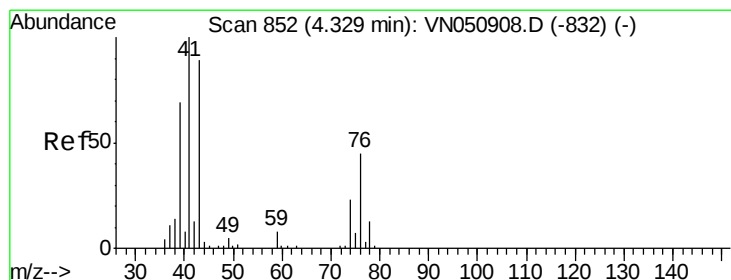
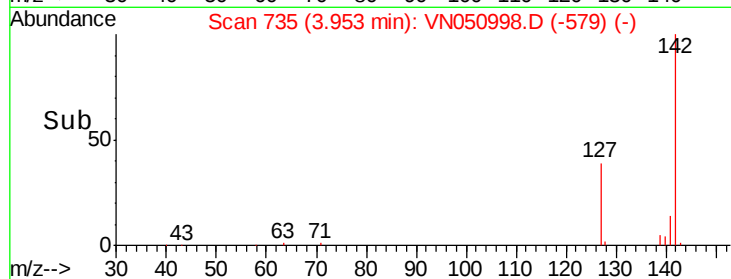
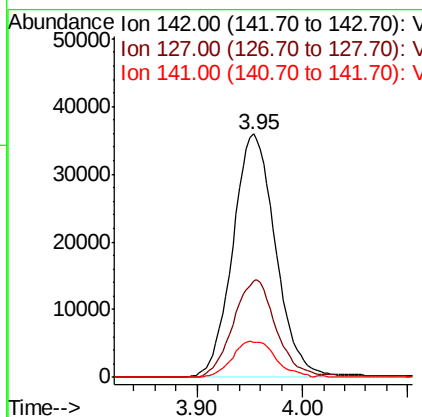
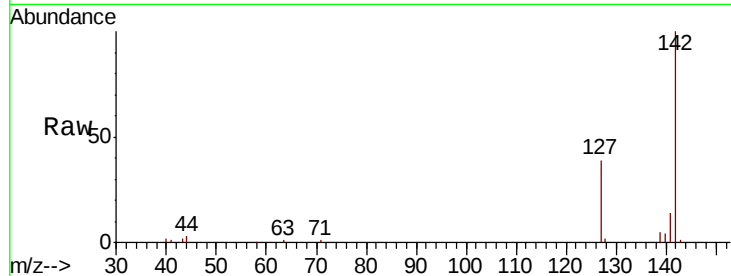
#11
Methyl Iodide
Concen: 17.25 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS02

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.2	19.7	59.1
141	14.6	7.3	22.0

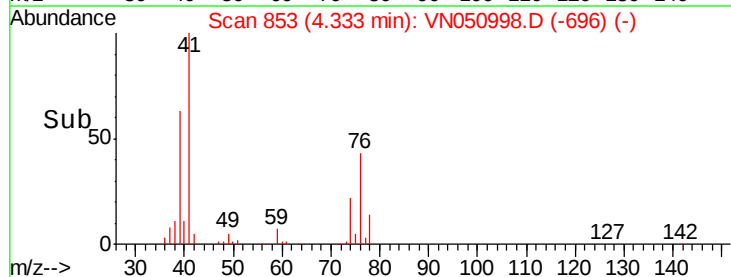
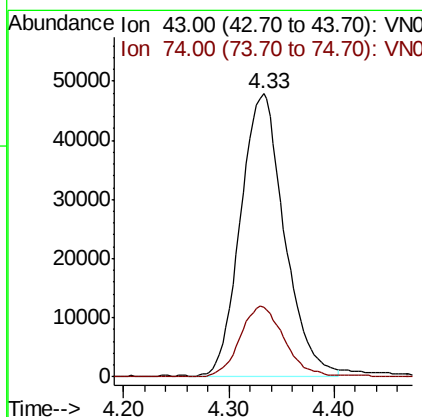
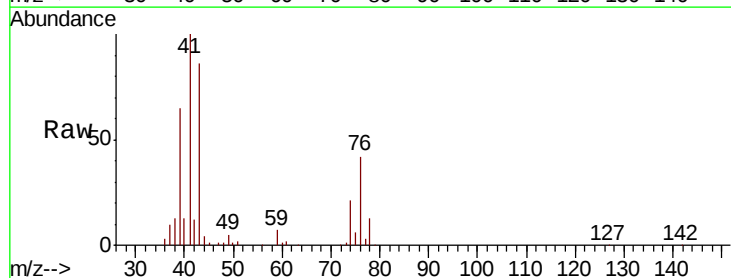
Manual Integrations
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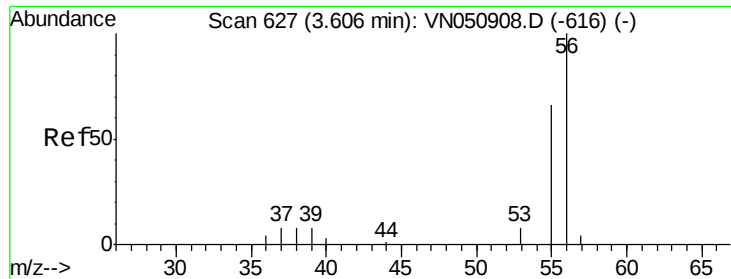
MMDadoda
9/4/2018 12:28:17 PM



#12
Methyl Acetate
Concen: 19.09 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	20.6	31.0





#13

Acrolein

Concen: 48.76 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Instrument :

MSVOA_N

ClientSampled :

VN0831WBS02

Tot Ion: 56 Resp: 7865

Ion Ratio Lower Upper

56 100

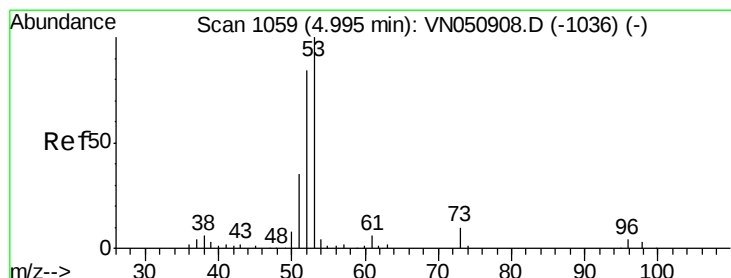
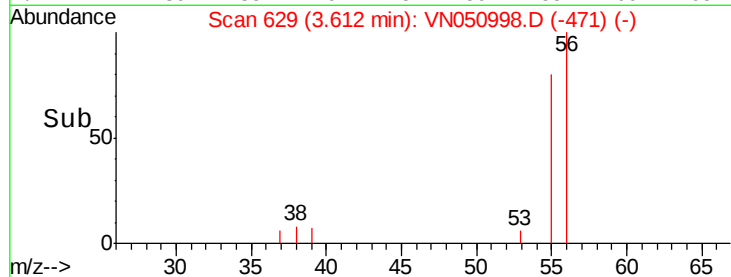
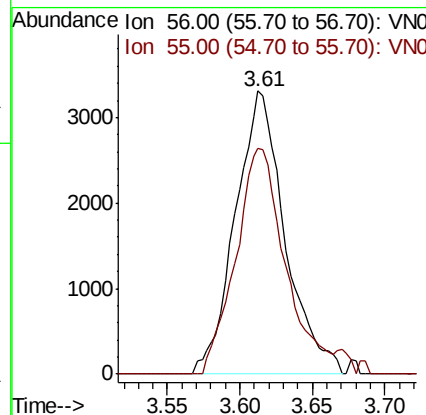
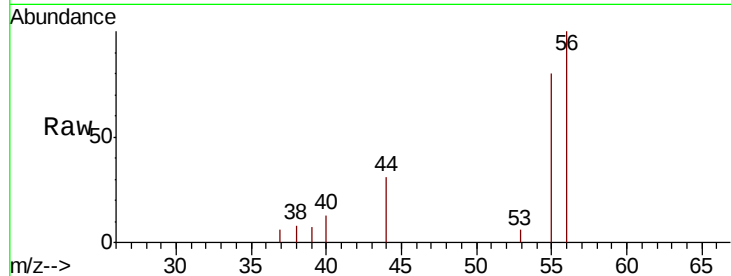
55 79.7 59.1 88.7

Manual Integrations

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#14

Acrylonitrile

Concen: 82.74 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

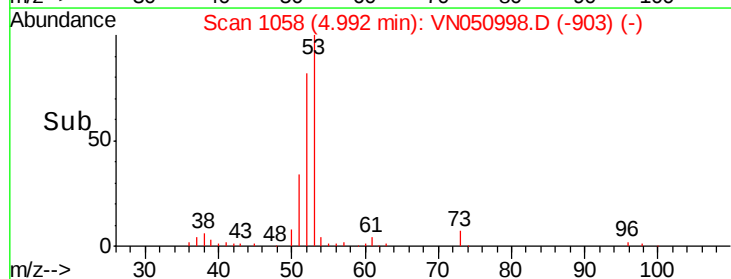
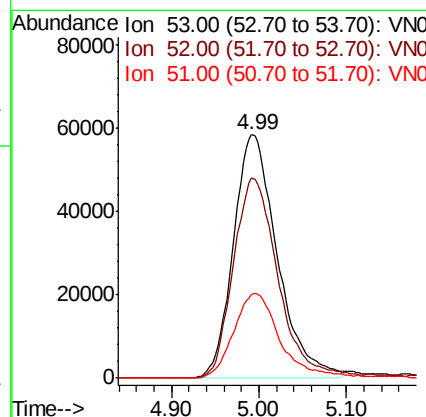
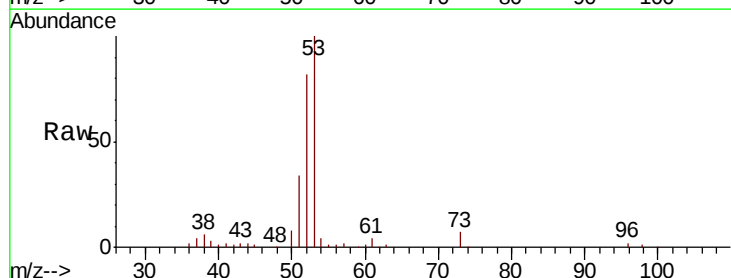
Tgt Ion: 53 Resp: 203756

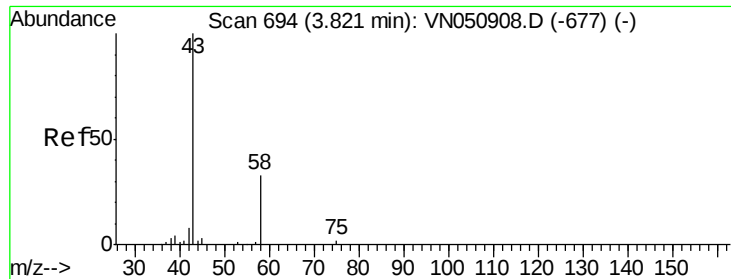
Ion Ratio Lower Upper

53 100

52 83.6 42.2 126.6

51 36.4 17.7 53.1





#15

Acetone

Concen: 76.85 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Instrument :

MSVOA_N

ClientSampled :

VN0831WBS02

Tot Ion: 58 Resp: 48429

Ion Ratio Lower Upper

58 100

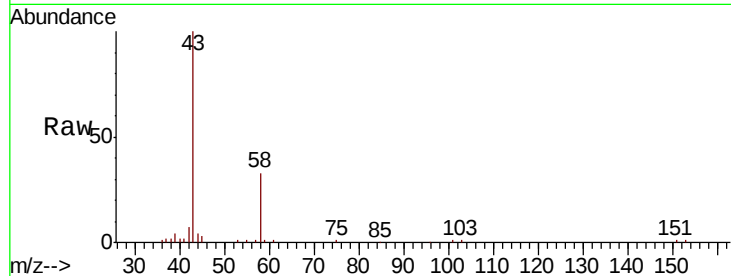
43 297.9 239.4 359.0

Manual Integrations

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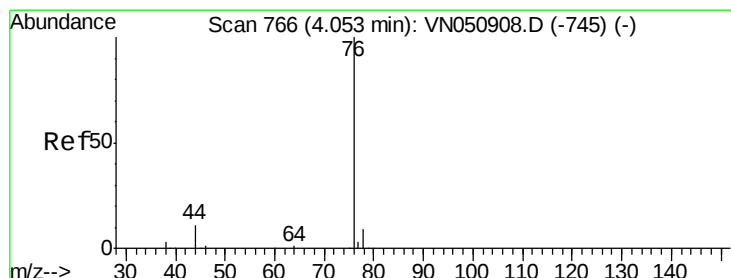
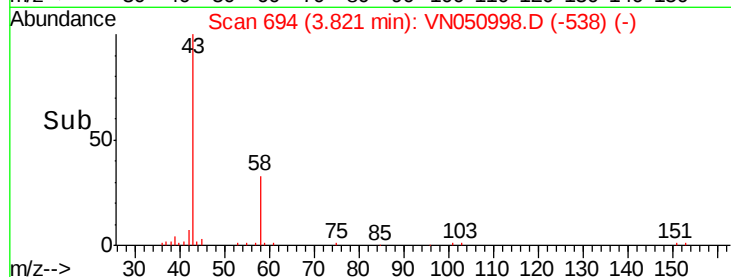
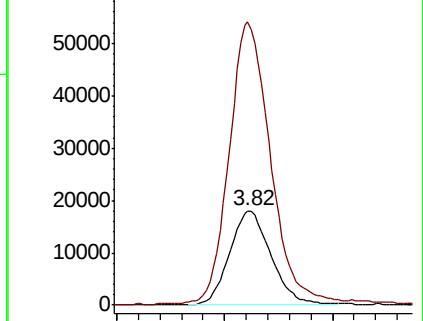
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Abundance Ion 58.00 (57.70 to 58.70): VN050998.D (-677) (-)

Ion 43.00 (42.70 to 43.70): VN050998.D (-677) (-)



#16

Carbon Disulfide

Concen: 17.94 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050998.D

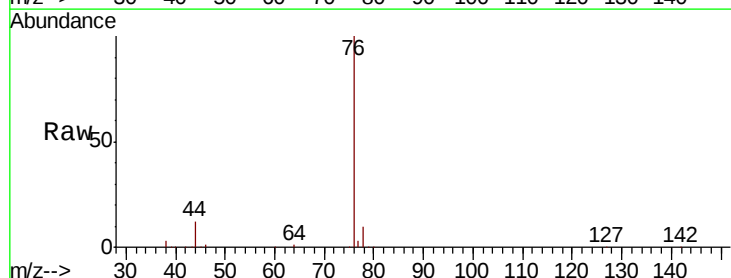
Acq: 31 Aug 2018 19:45

Tgt Ion: 76 Resp: 339799

Ion Ratio Lower Upper

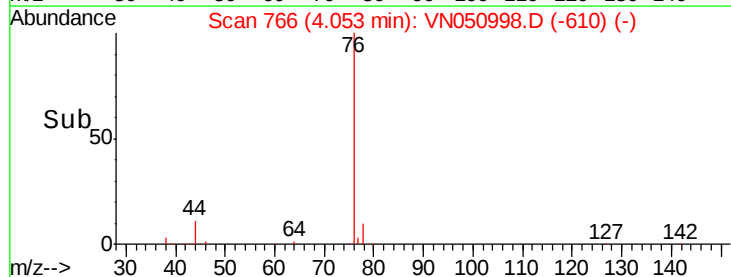
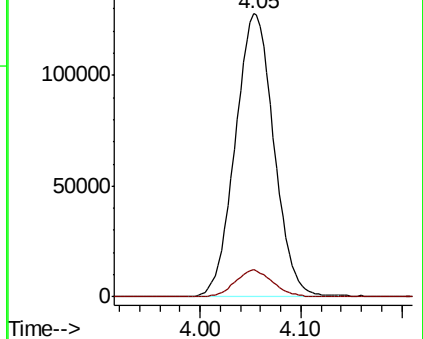
76 100

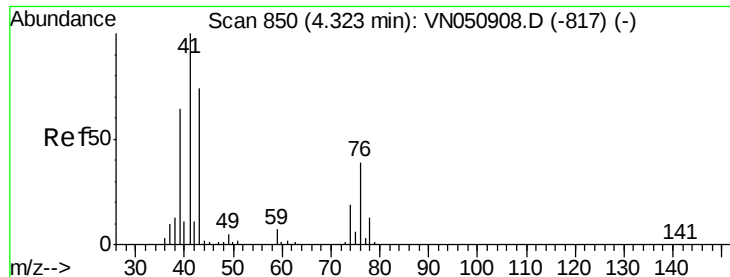
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050998.D (-745) (-)

Ion 78.00 (77.70 to 78.70): VN050998.D (-745) (-)





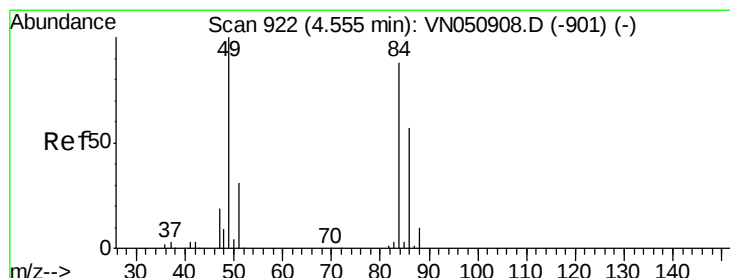
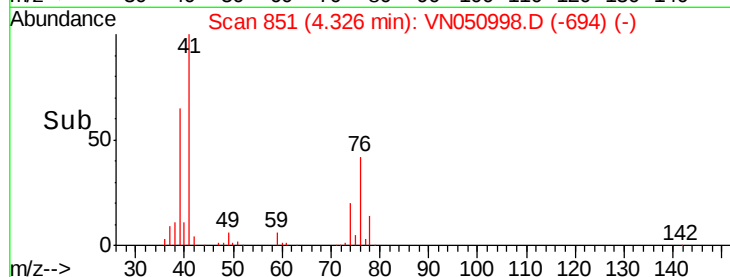
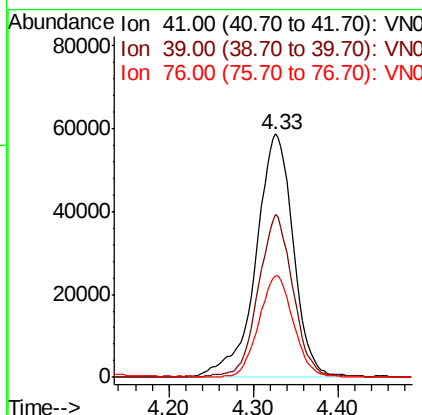
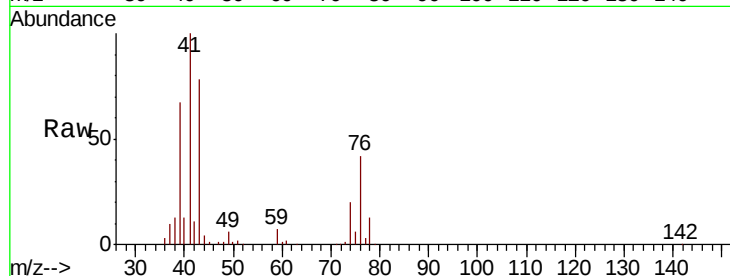
#17
Allvl chloride
Concen: 18.21 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS02

Tot Ion:	41	Resp:	180499
Ion	Ratio	Lower	Upper
41	100		
39	66.9	32.2	96.6
76	41.1	19.6	58.7

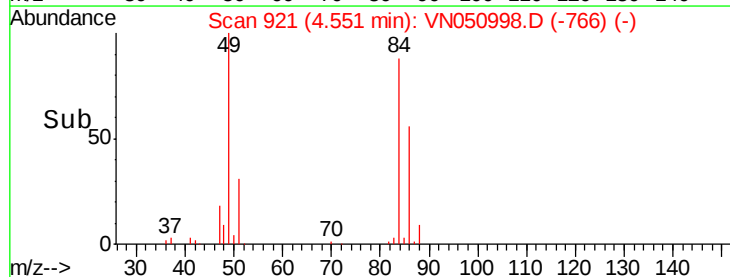
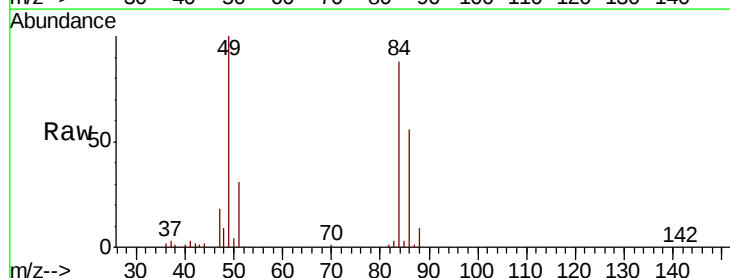
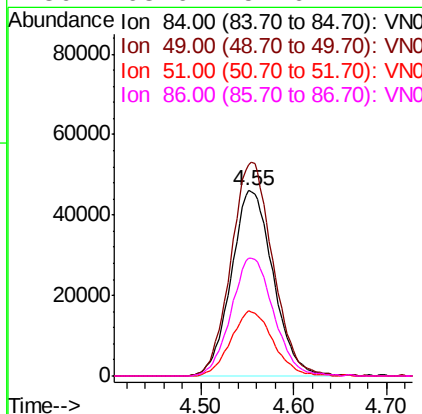
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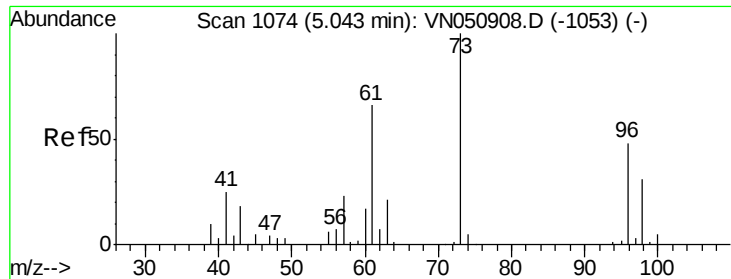
MMDadoda
9/4/2018 12:28:17 PM



#18
Methylene Chloride
Concen: 19.59 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Tgt Ion:	84	Resp:	144815
Ion	Ratio	Lower	Upper
84	100		
49	114.0	90.6	135.8
51	34.9	28.4	42.6
86	63.6	51.6	77.4





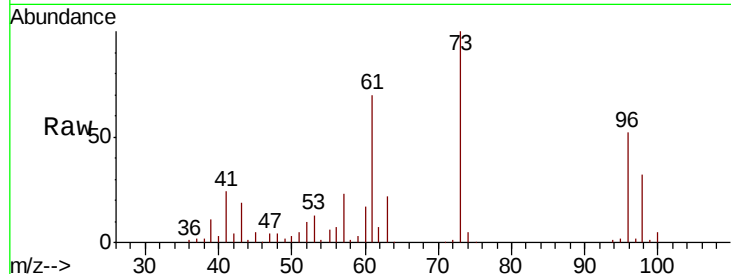
#19
trans-1,2-Dichloroethene
Concen: 19.32 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Instrument :
MSVOA_N
ClientSampled :
VN0831WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.2	109.5	164.3
98	62.0	51.9	77.9

Manual Integrations
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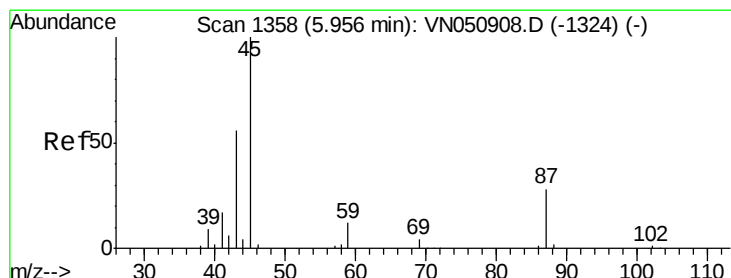
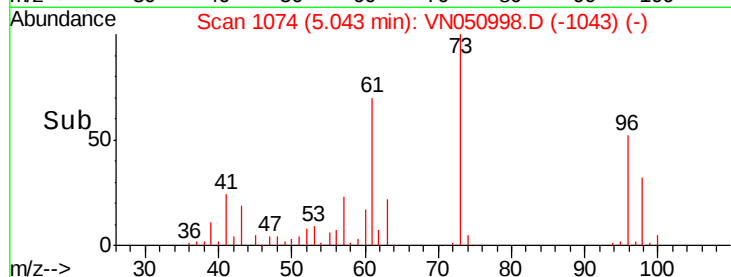
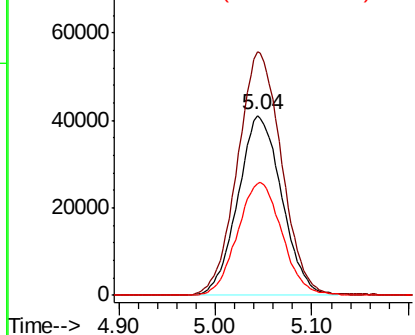


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 19.62 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.9	47.0	70.6
87	29.4	22.8	34.2
59	12.6	9.5	14.3

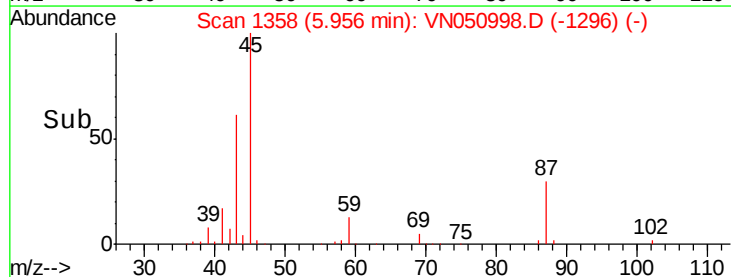
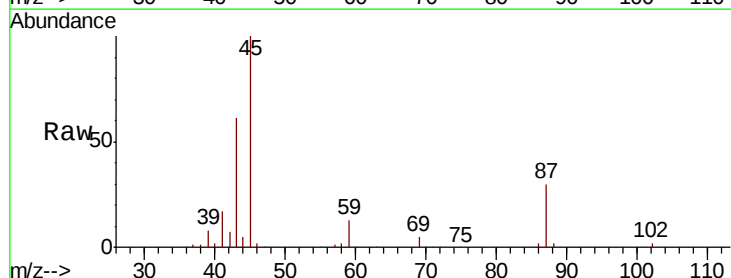
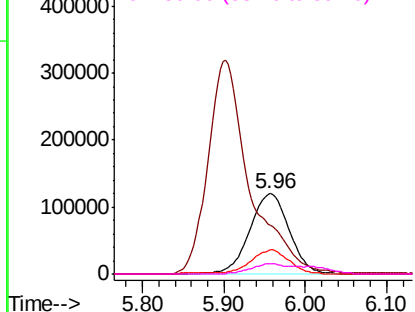
Abundance

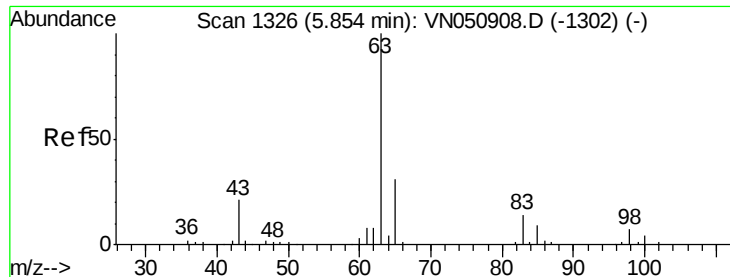
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





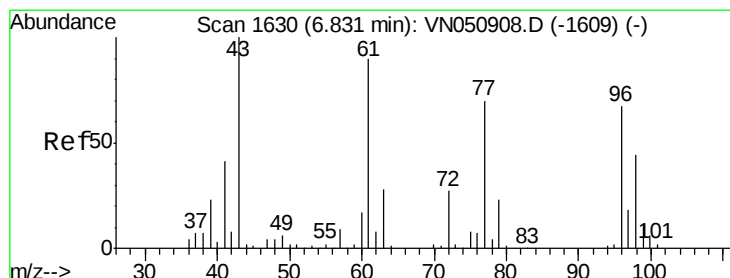
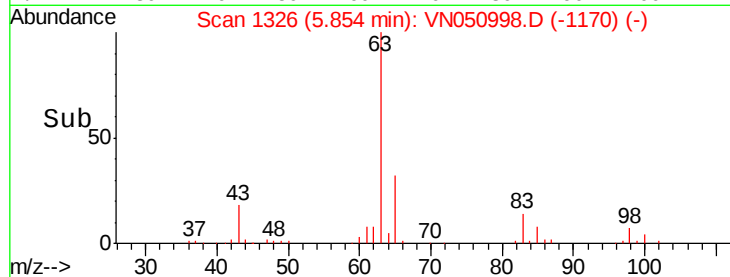
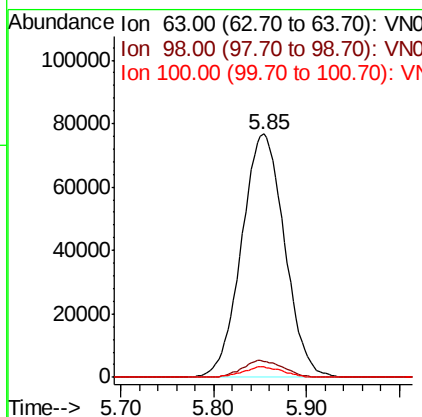
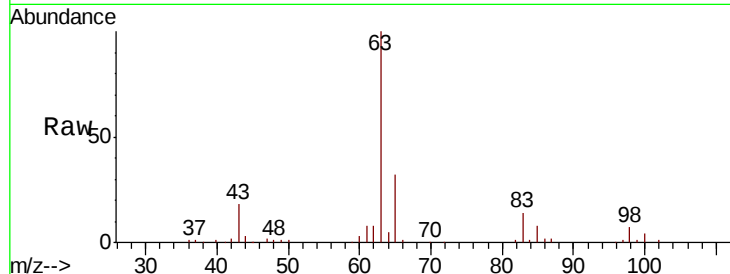
#21
 1,1-Dichloroethane
 Concen: 19.57 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS02

Tot Ion:	63	Resp:	246909
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.3	9.9
100	4.4	2.0	6.0

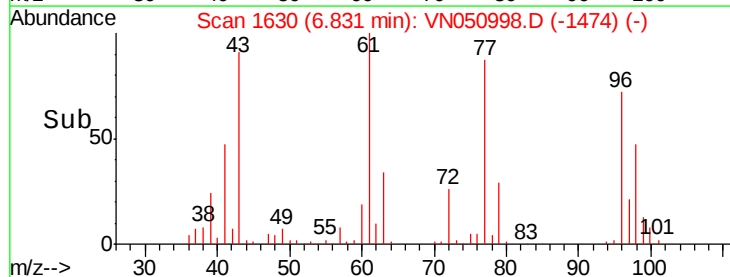
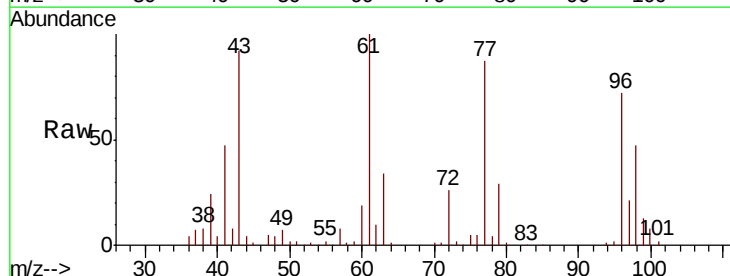
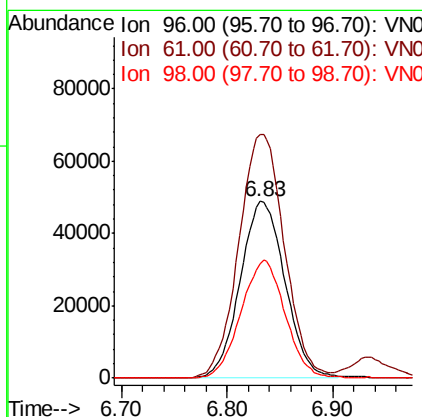
Manual Integrations
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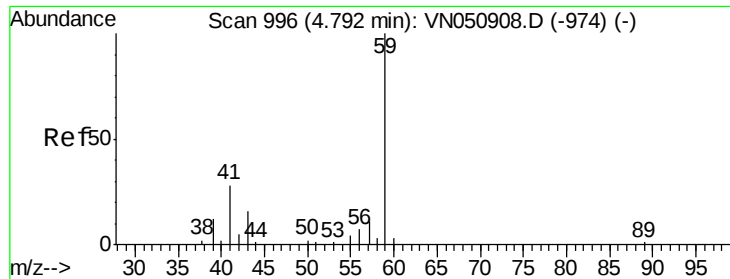
MMDadoda
 9/4/2018 12:28:17 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.06 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Tgt Ion:	96	Resp:	144532
Ion Ratio	Lower	Upper	
96	100		
61	140.2	110.0	165.0
98	65.6	51.7	77.5





#23

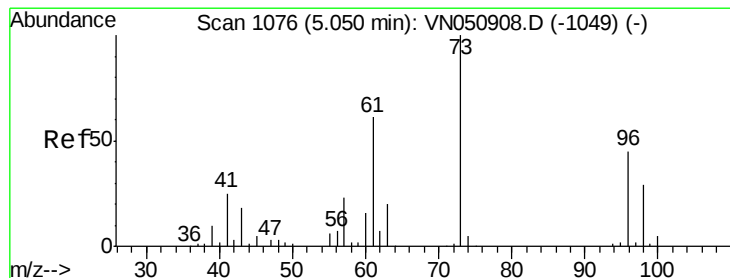
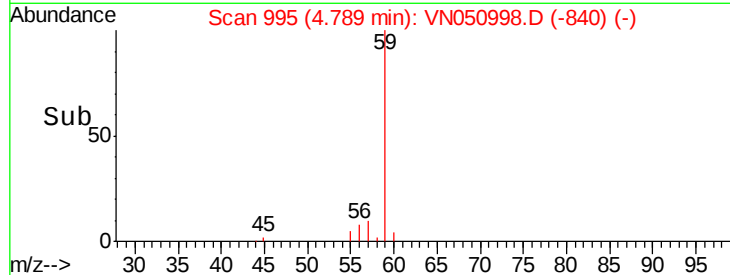
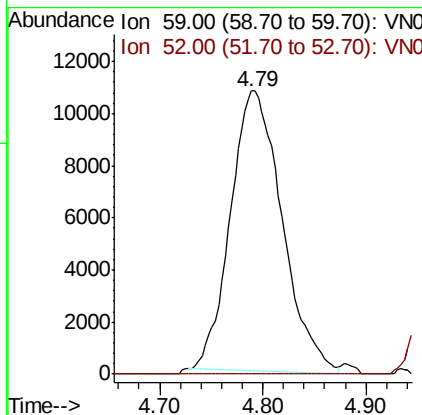
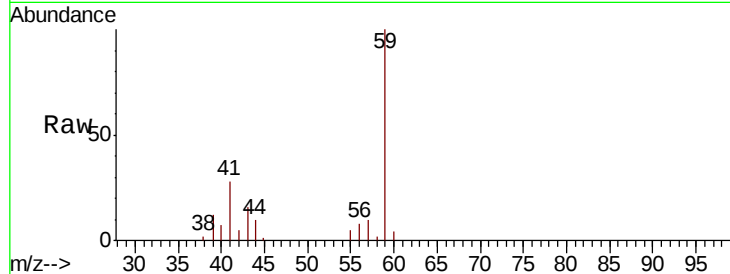
tert-Butyl Alcohol
 Concen: 71.44 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN0831WBS02

Tot Ion	59	52	Ratio	100	0.0	Resp	37414	Lower	Upper
Ion	59	52	Ratio	100	0.0	Resp	37414	Lower	Upper

Manual Integrations
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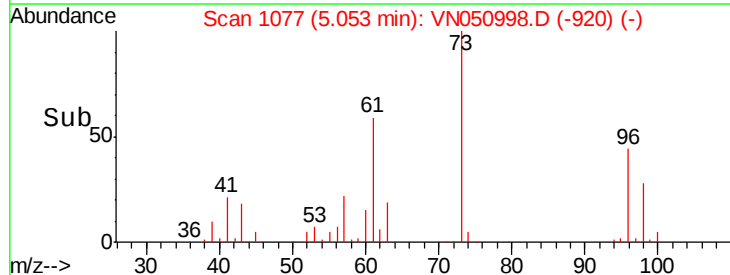
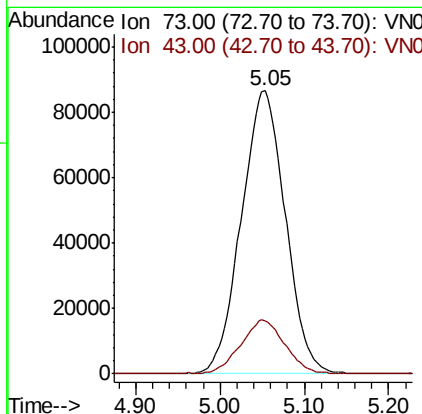
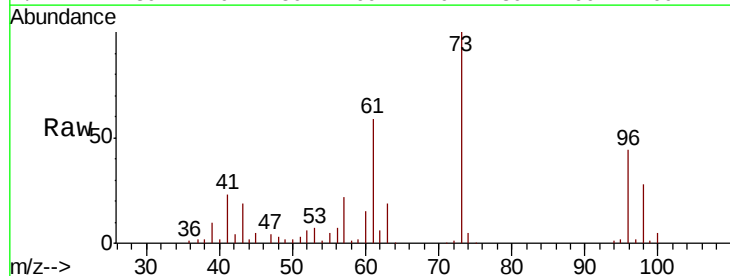
MMDadoda
 9/4/2018 12:28:17 PM

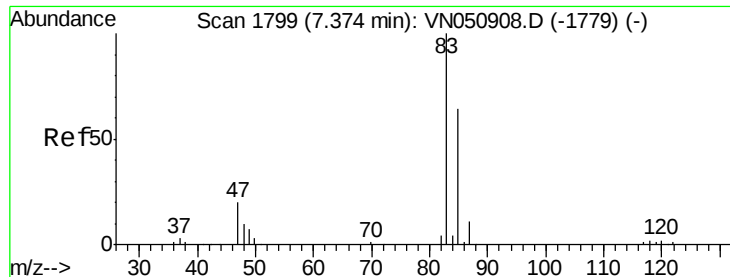


#24

Methyl tert-Butyl Ether
 Concen: 18.20 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Tgt Ion	73	43	Ratio	100	18.9	Resp	313570	Lower	Upper
Ion	73	43	Ratio	100	18.9	Resp	313570	Lower	Upper





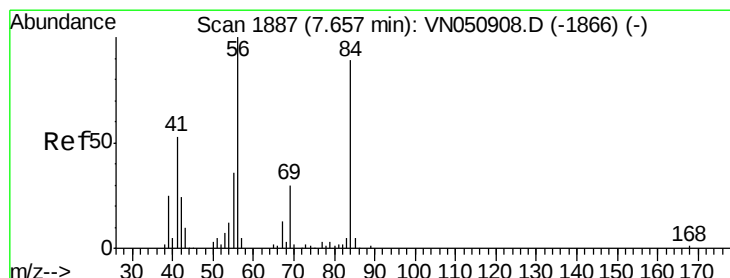
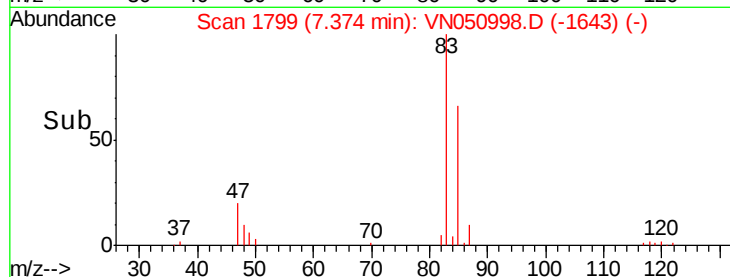
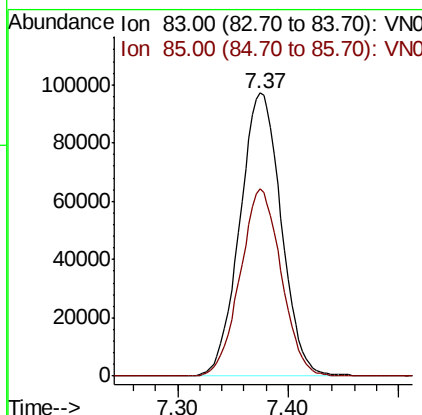
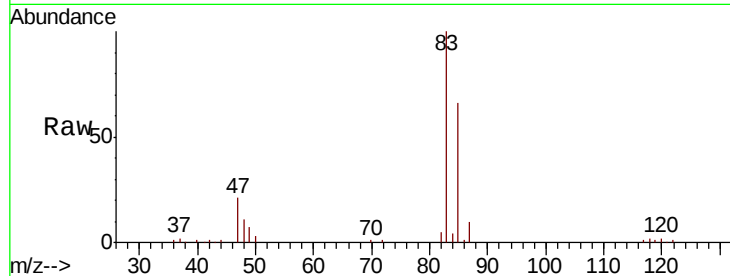
#25
Chloroform
Concen: 20.05 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Instrument :
MSVOA_N
ClientSampled :
VN0831WBS02

Tot Ion	83	Resp	252435
Ion Ratio	100	Lower	Upper
83	100		
85	66.1	51.4	77.0

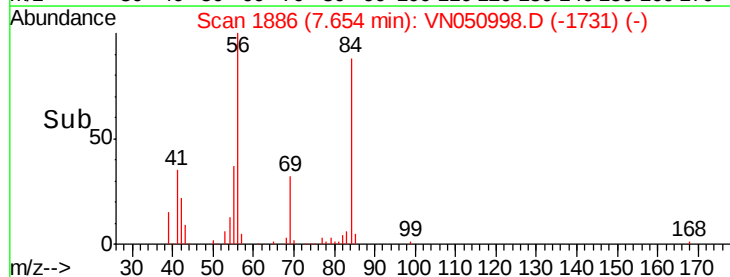
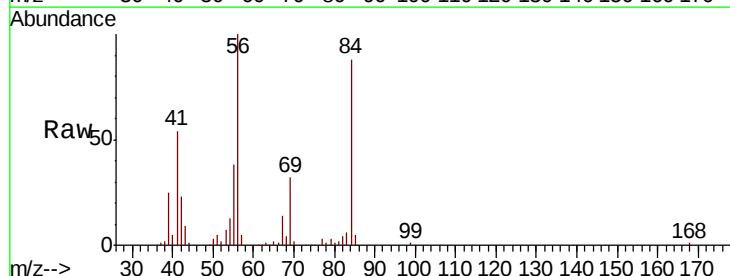
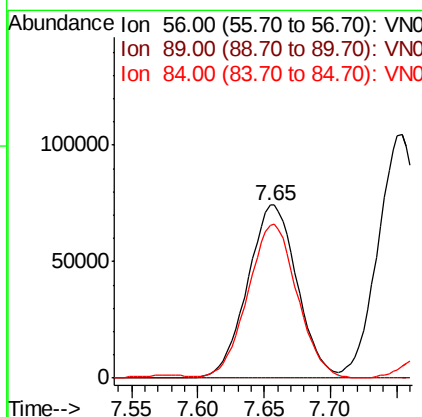
Manual Integrations
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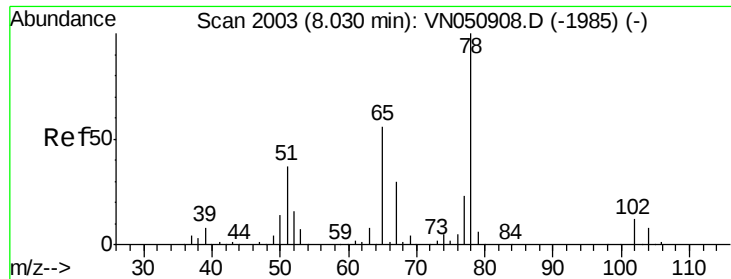
MMDadoda
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#26
Cyclohexane
Concen: 18.57 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Tgt Ion	56	Resp	194075
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.4	0.6#
84	88.8	70.4	105.6





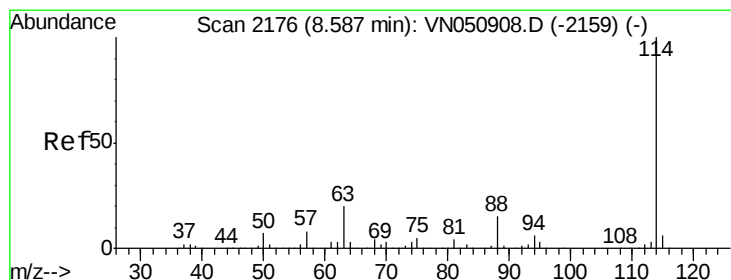
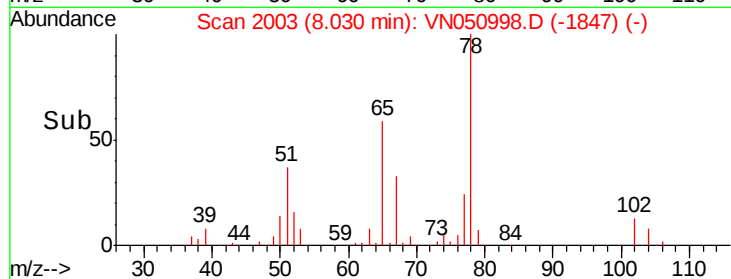
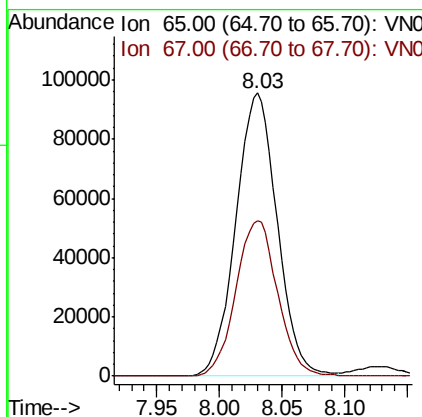
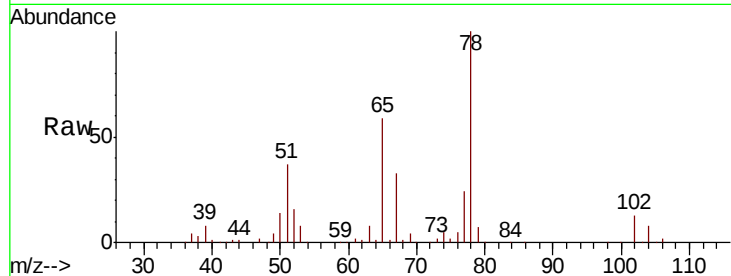
#27
 1,2-Dichloroethane-d4
 Concen: 29.51 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS02

Tot Ion: 65 Resp: 219538
 Ion Ratio Lower Upper
 65 100
 67 55.3 43.7 65.5

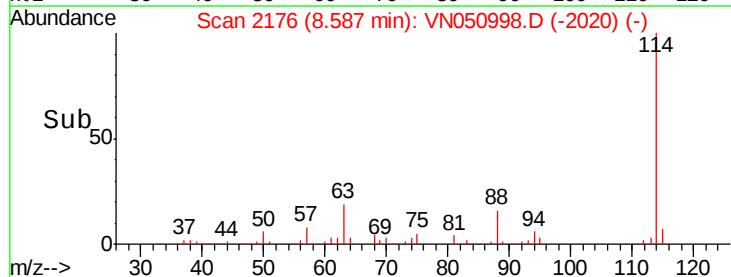
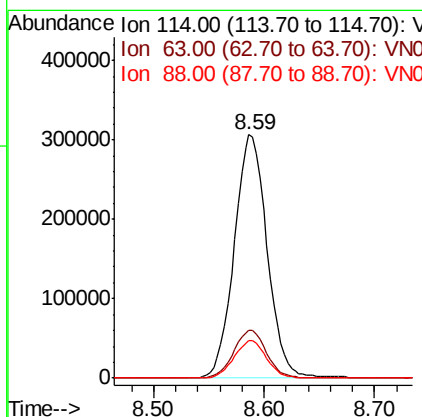
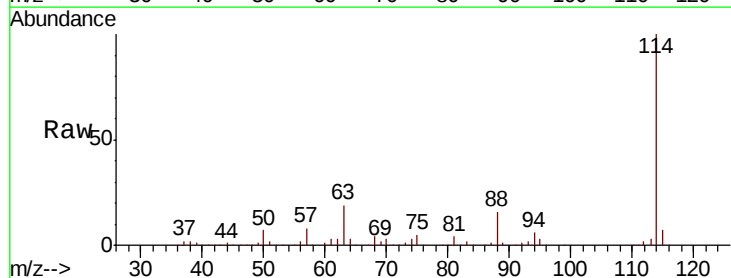
Manual Integrations
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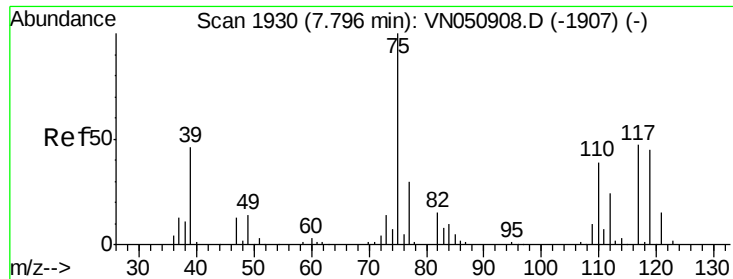
MMDadoda
 9/4/2018 12:28:17 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Tgt Ion: 114 Resp: 632642
 Ion Ratio Lower Upper
 114 100
 63 19.5 15.6 23.4
 88 15.4 12.2 18.4





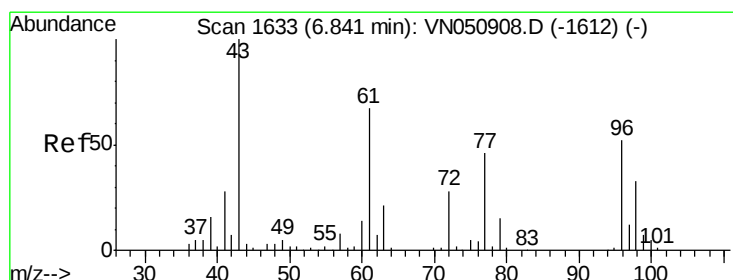
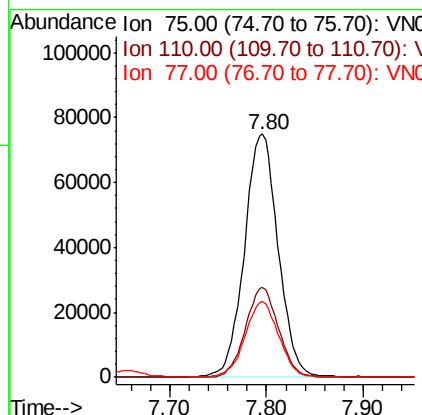
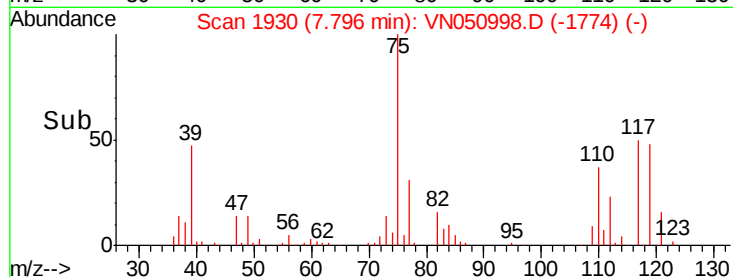
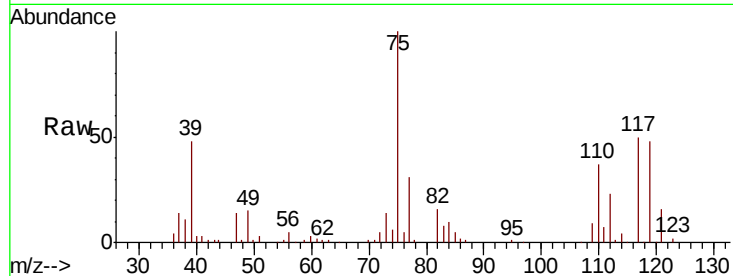
#29
 1,1-Dichloropropene
 Concen: 19.20 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0831WBS02

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.2	0.0	75.0
77	31.2	0.0	60.6

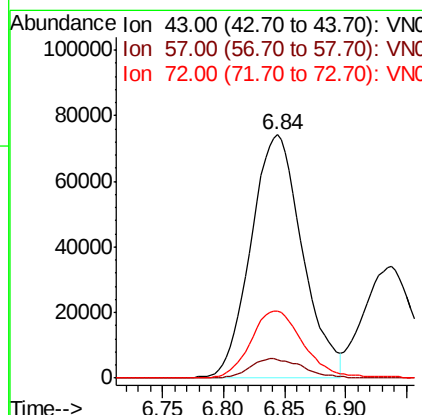
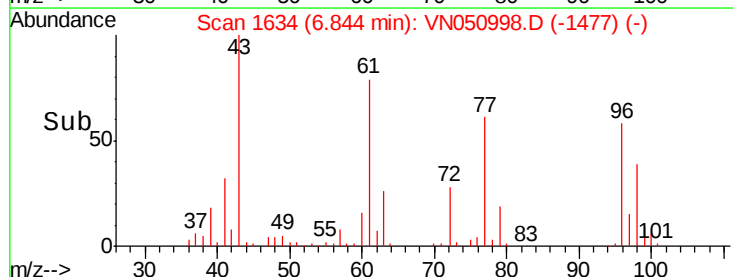
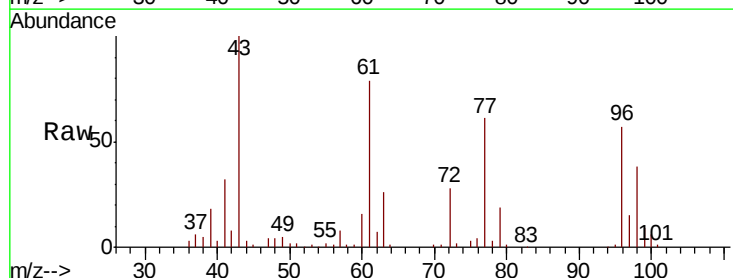
Manual Integrations
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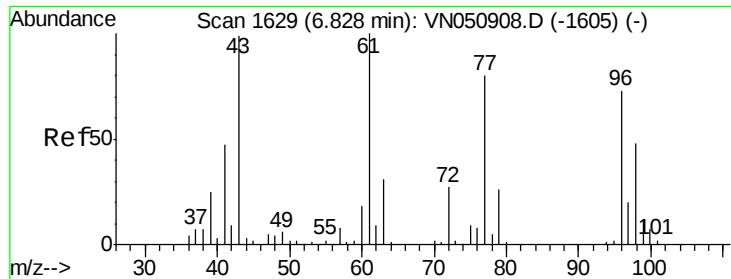
MMDadoda
 9/4/2018 12:28:17 PM



#30
 2-Butanone
 Concen: 74.02 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.3	6.9	10.3
72	28.4	22.8	34.2





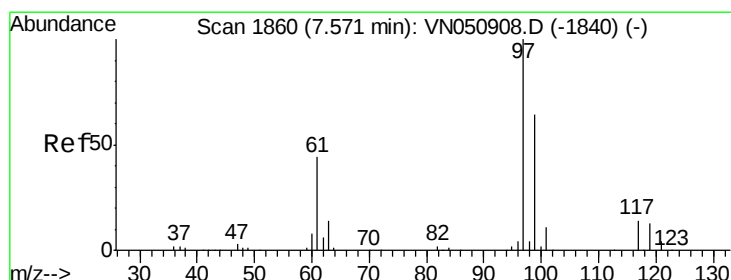
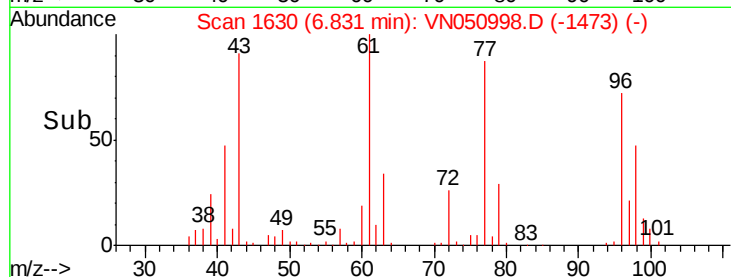
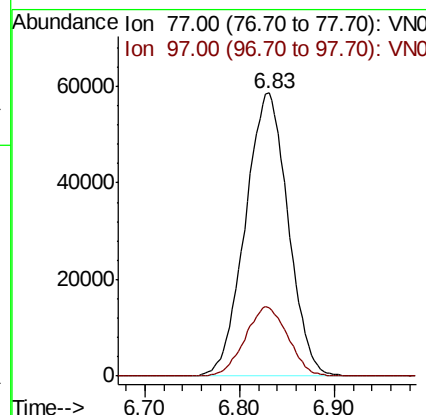
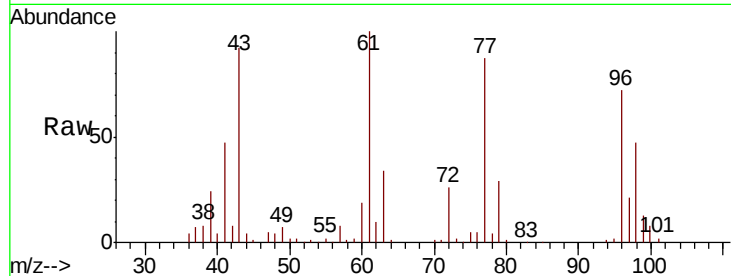
#31
 2,2-Dichloropropane
 Concen: 19.99 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS02

Tot Ion: 77 Resp: 184268
 Ion Ratio Lower Upper
 77 100
 97 24.5 20.2 30.2

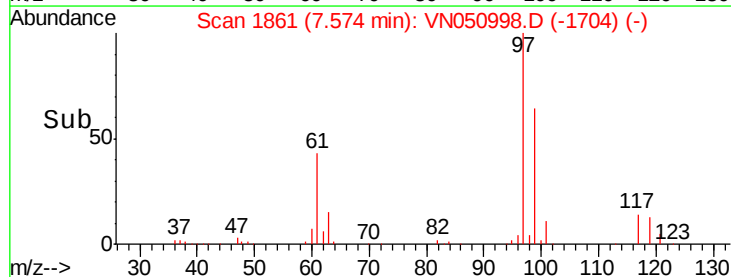
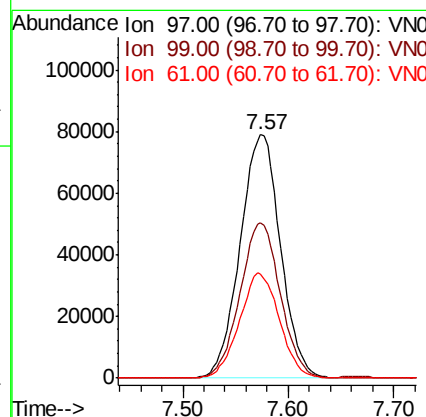
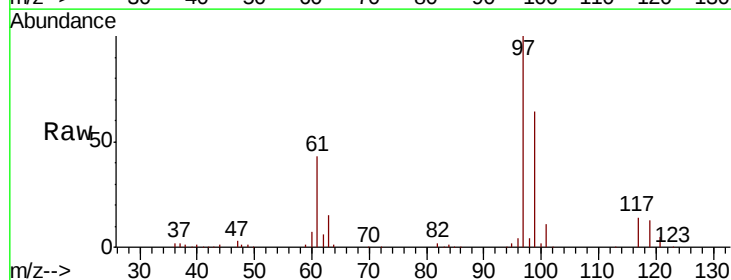
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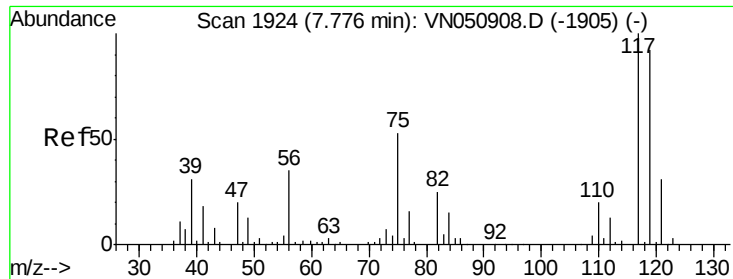
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#32
 1,1,1-Trichloroethane
 Concen: 19.58 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Tgt Ion: 97 Resp: 210300
 Ion Ratio Lower Upper
 97 100
 99 63.8 52.0 78.0
 61 42.8 35.0 52.6





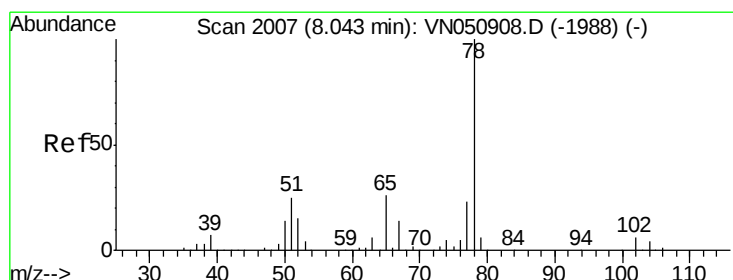
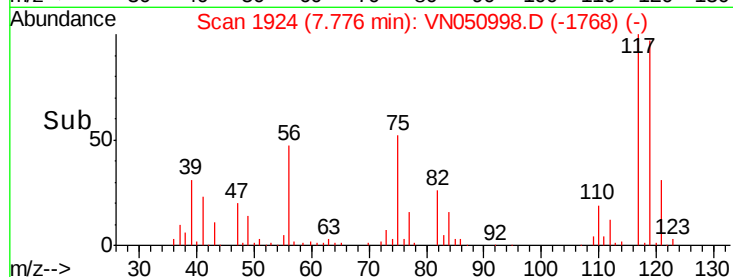
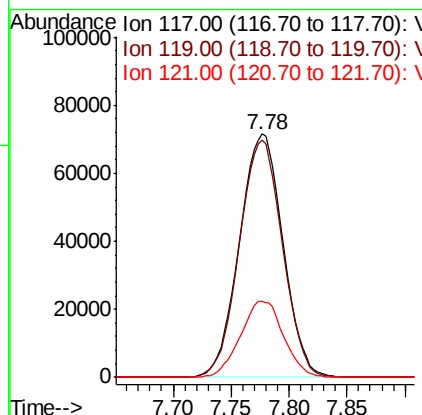
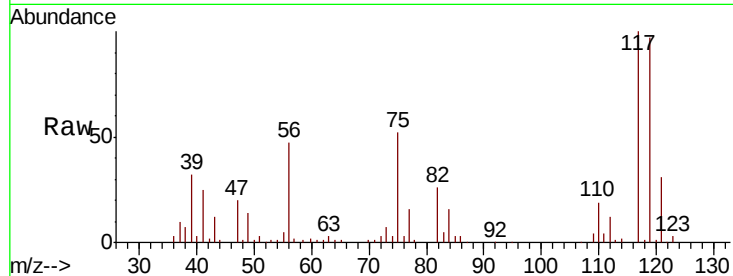
#33
Carbon Tetrachloride
Concen: 19.28 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.4	73.5	110.3
121	31.2	24.6	37.0

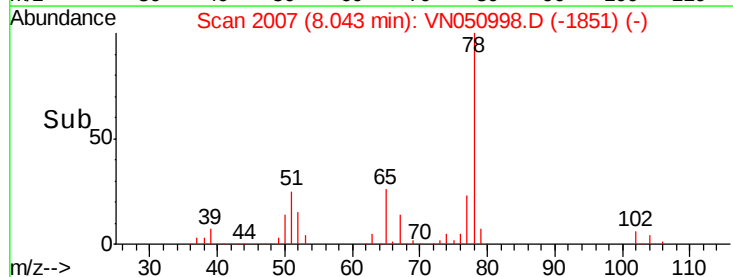
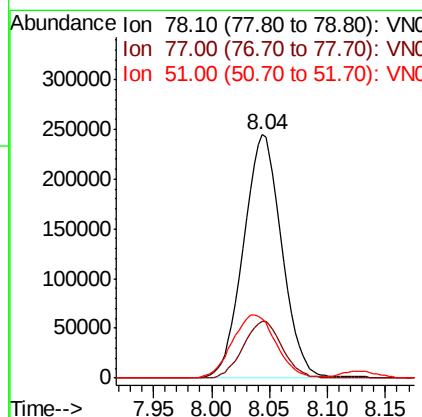
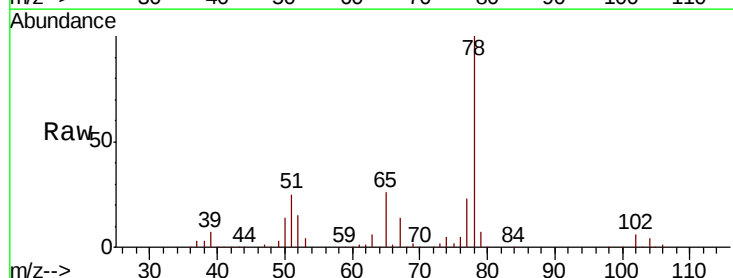
Manual Integrations
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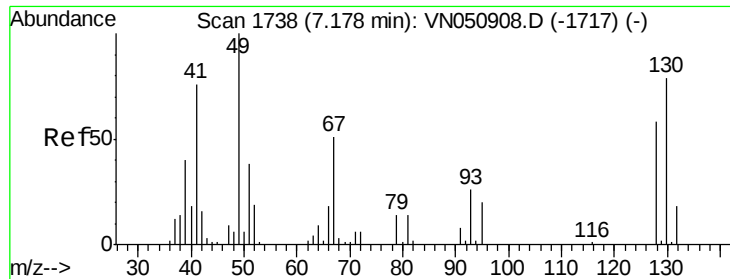
MMDadoda
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#34
Benzene
Concen: 19.24 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0
51	24.4	20.0	30.0





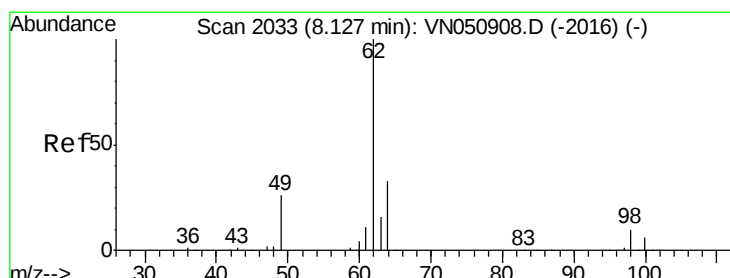
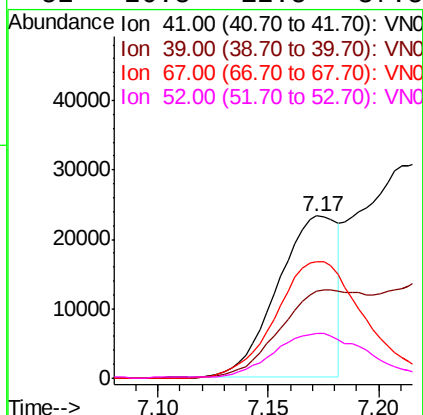
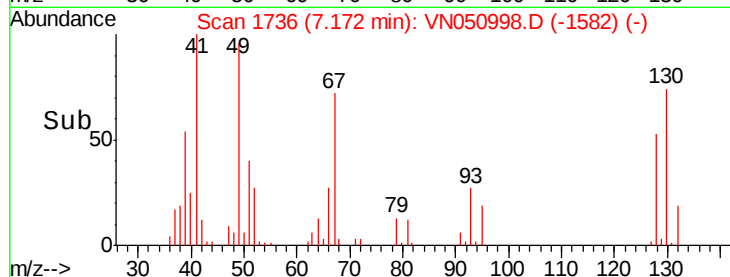
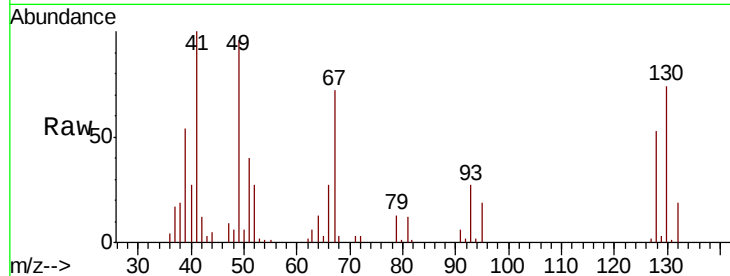
#35
Methacrylonitrile
Concen: 13.68 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS02

Tot Ion	41	Resp	43673
Ion	Ratio	Lower	Upper
41	100		
39	54.2	26.2	78.5
67	72.8	33.9	101.6
52	26.8	12.5	37.5

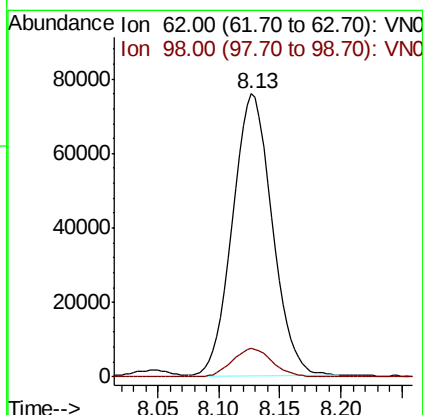
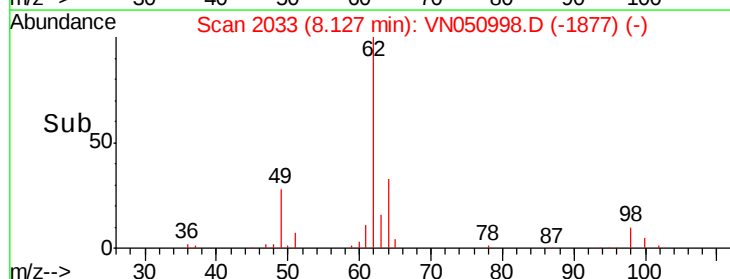
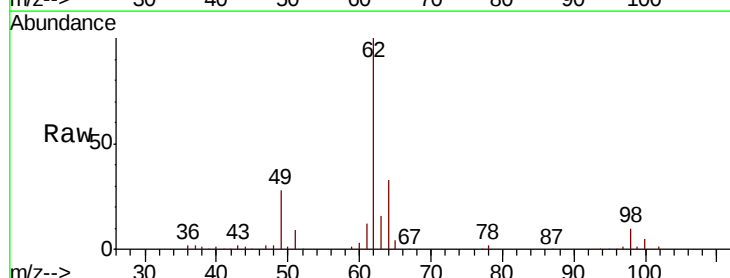
Manual Integrations
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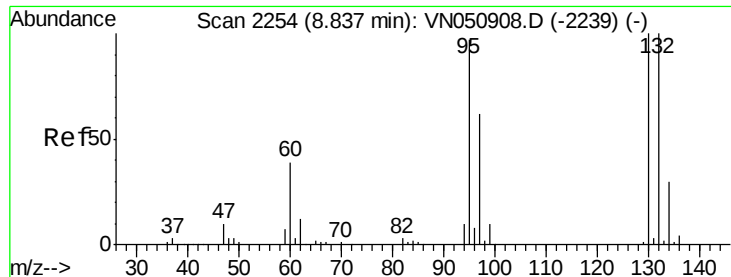
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.31 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Tgt Ion	62	Resp	171097
Ion	Ratio	Lower	Upper
62	100		
98	10.1	8.0	12.0





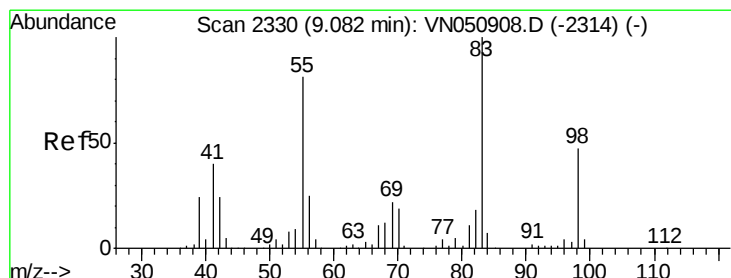
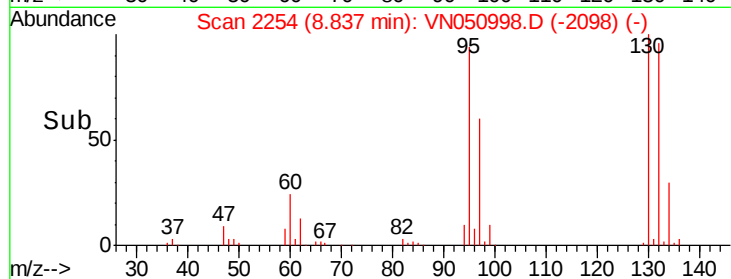
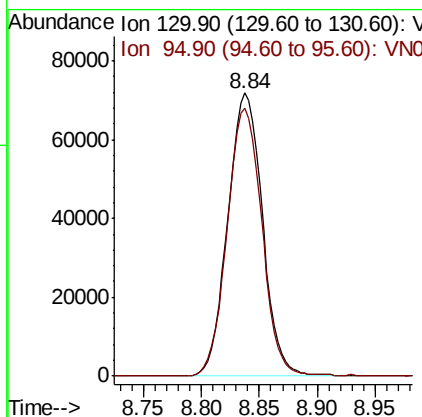
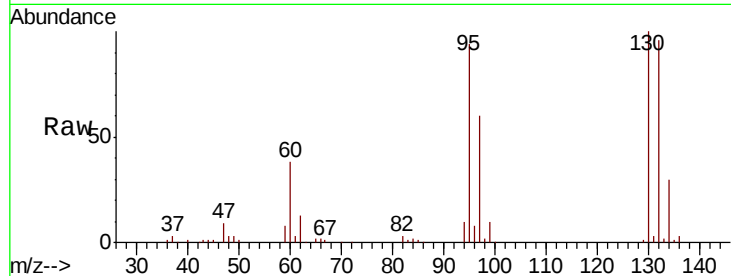
#37
 Trichloroethene
 Concen: 19.41 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS02

Tot Ion:130 Resp: 148665
 Ion Ratio Lower Upper
 130 100
 95 94.5 77.4 116.0

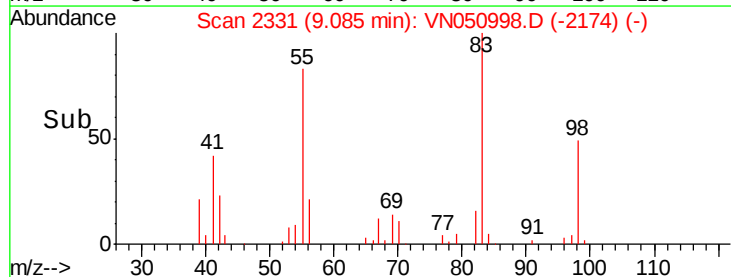
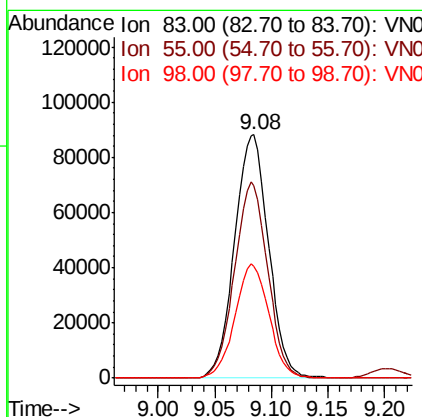
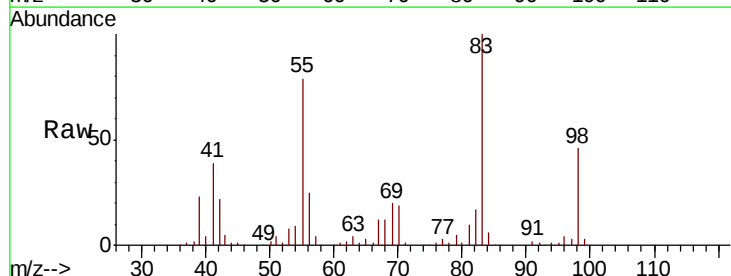
Manual Integrations
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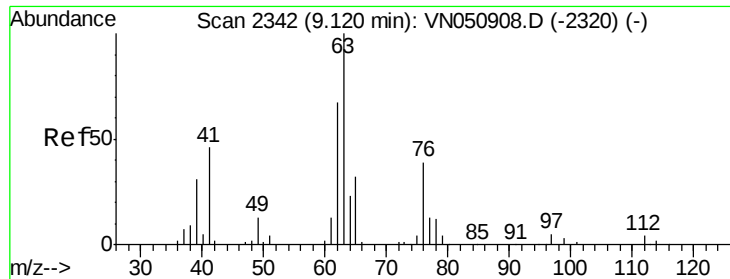
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#38
 Methylcyclohexane
 Concen: 18.15 ug/l
 RT: 9.08 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Tgt Ion: 83 Resp: 184608
 Ion Ratio Lower Upper
 83 100
 55 78.5 38.9 116.7
 98 46.7 22.9 68.7





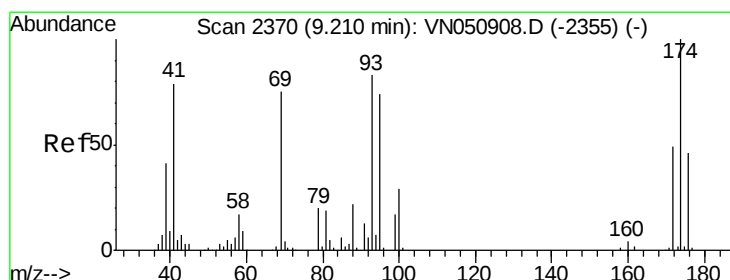
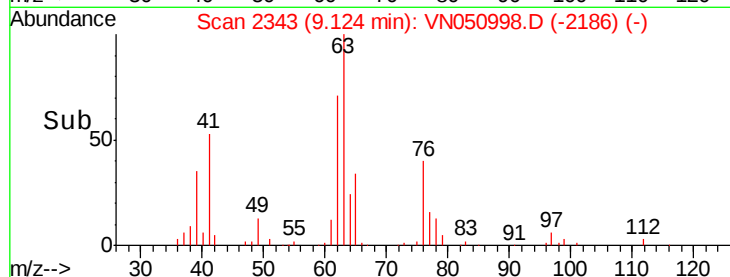
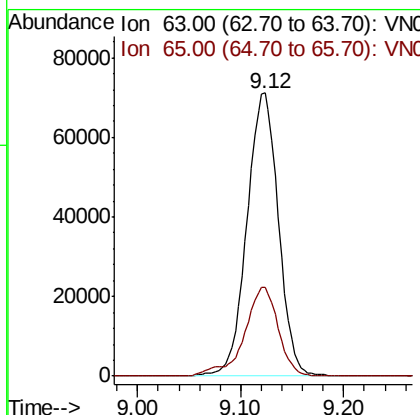
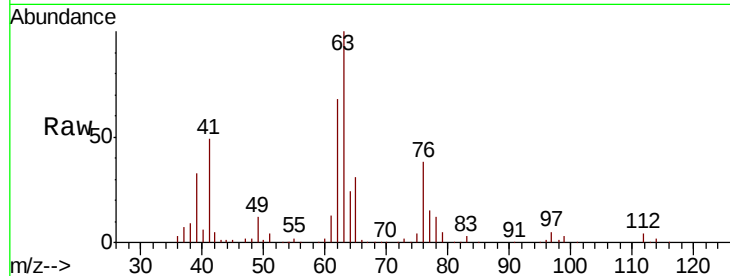
#39
 1,2-Dichloropropane
 Concen: 19.72 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN0831WBS02

Tot Ion	63	Resp	150935
Ion Ratio	Lower	Upper	
63	100		
65	31.3	25.6	38.4

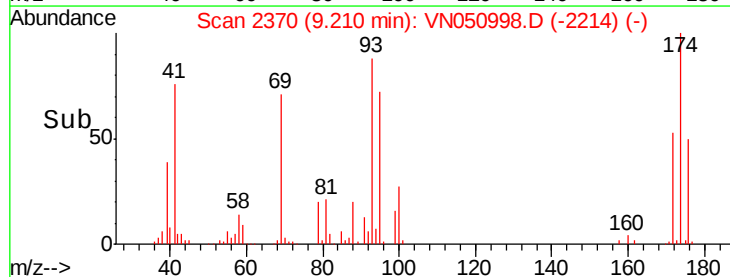
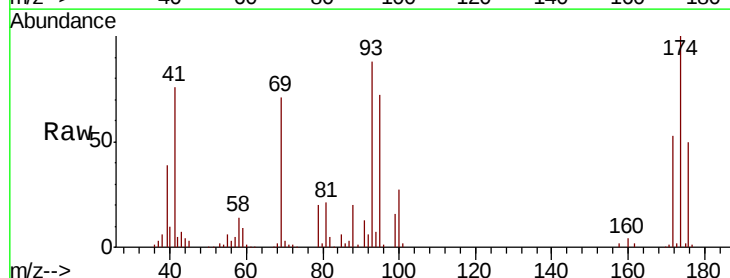
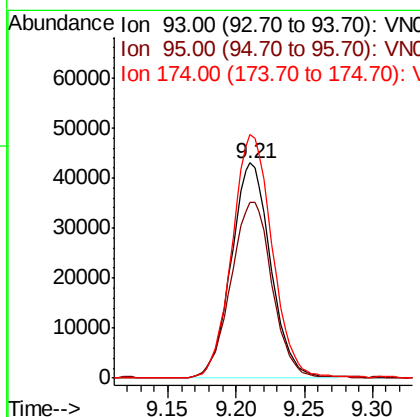
Manual Integrations
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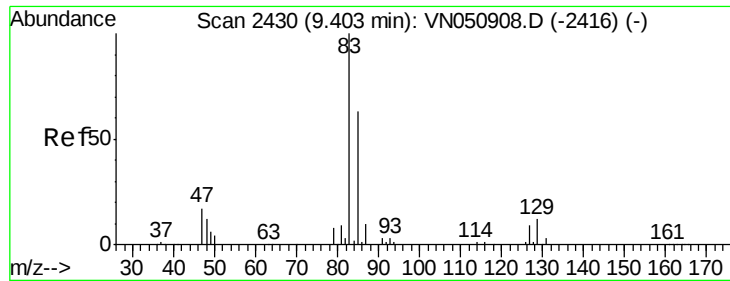
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#40
 Dibromomethane
 Concen: 18.75 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Tgt Ion	93	Resp	86417
Ion Ratio	Lower	Upper	
93	100		
95	85.1	0.0	173.4
174	115.2	0.0	234.8





#41

Bromodichloromethane

Concen: 19.29 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Instrument :

MSVOA_N

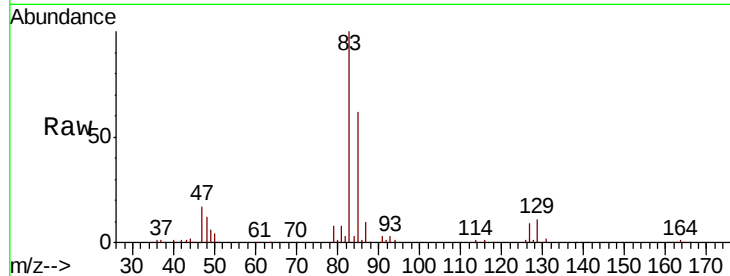
ClientSampleId :

VN0831WBS02

Tot Ion:	83	Resp:	187434
Ion Ratio	Lower	Upper	
83	100		
85	62.4	50.6	76.0
127	8.6	7.1	10.7

Manual Integrations
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9/4/2018 12:28:17 PM

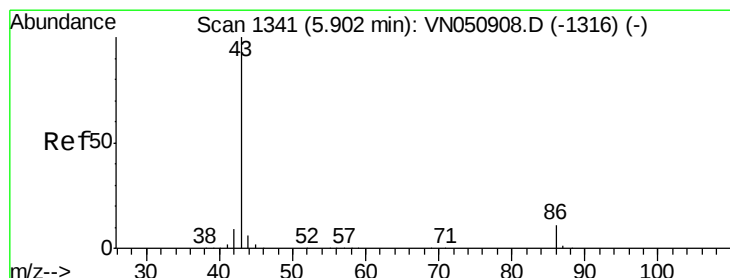
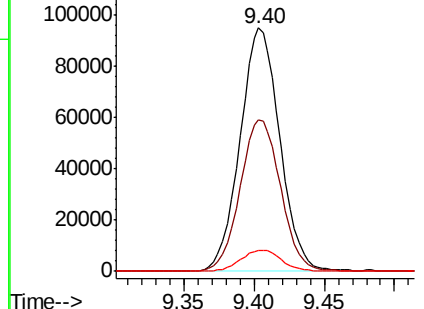
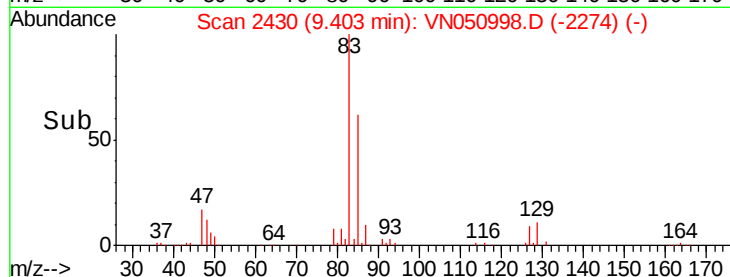


Abundance Ion 83.00 (82.70 to 83.70): VN050998.D (-2416) (-)

Ion 85.00 (84.70 to 85.70): VN050998.D (-2416) (-)

Ion 127.00 (126.70 to 127.70): VN050998.D (-2416) (-)

Time-->



#42

Vinyl Acetate

Concen: 85.54 ug/l

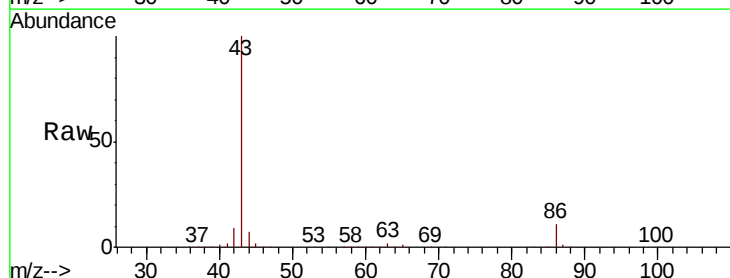
RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

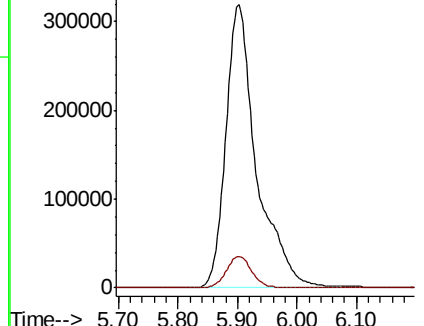
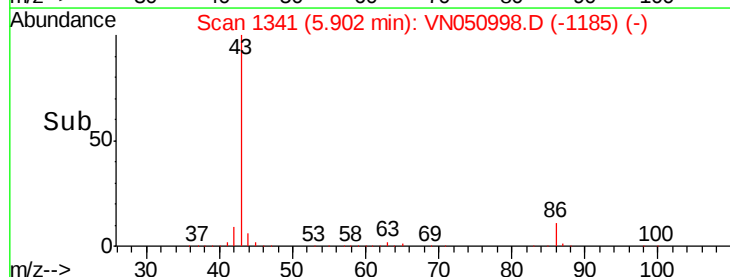
Tgt Ion:	43	Resp:	1147964
Ion Ratio	Lower	Upper	
43	100		
86	9.2	7.2	10.8

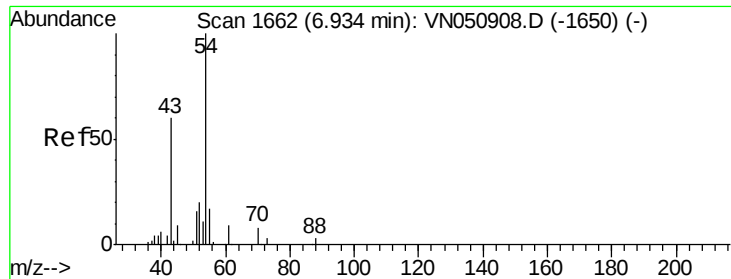


Abundance Ion 43.00 (42.70 to 43.70): VN050998.D (-1185) (-)

Ion 86.00 (85.70 to 86.70): VN050998.D (-1185) (-)

Time-->





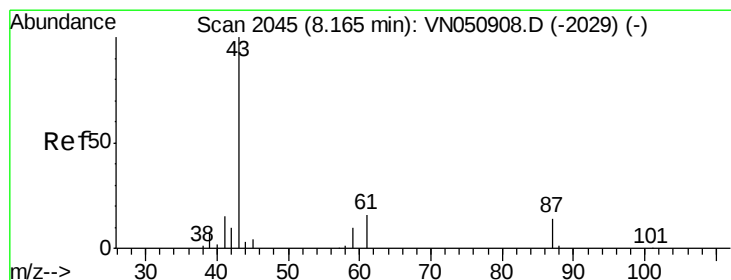
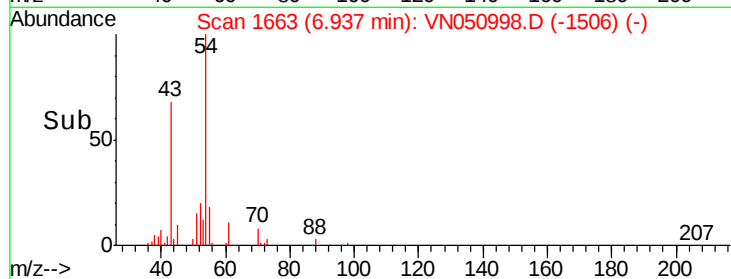
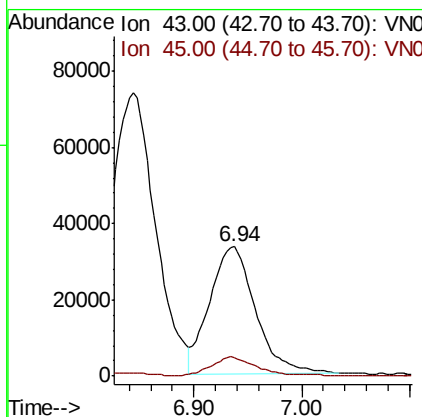
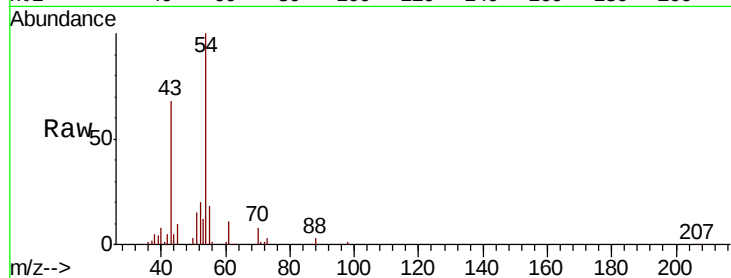
#43
Ethyl Acetate
Concen: 16.48 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Instrument :
MSVOA_N
ClientSampled :
VN0831WBS02

Tot Ion: 43 Resp: 98373
Ion Ratio Lower Upper
43 100
45 13.3 10.2 15.2

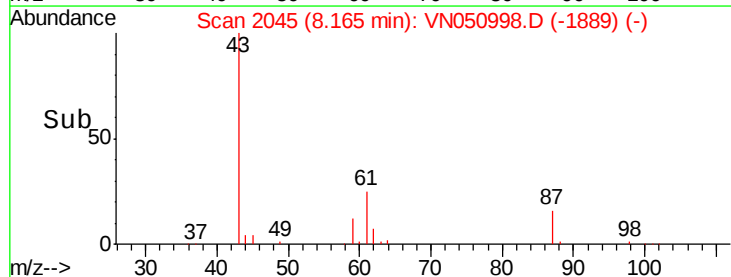
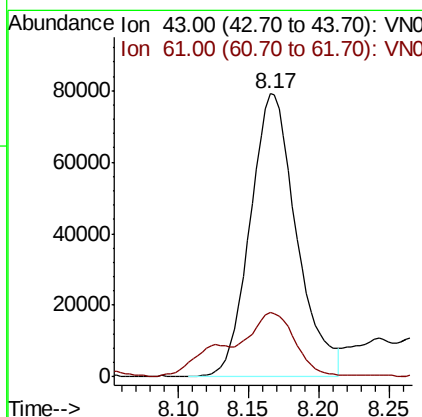
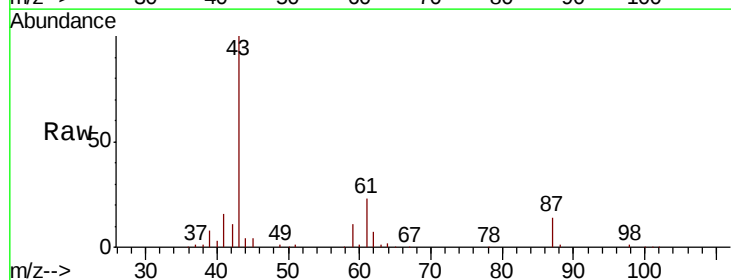
Manual Integrations
APPROVED

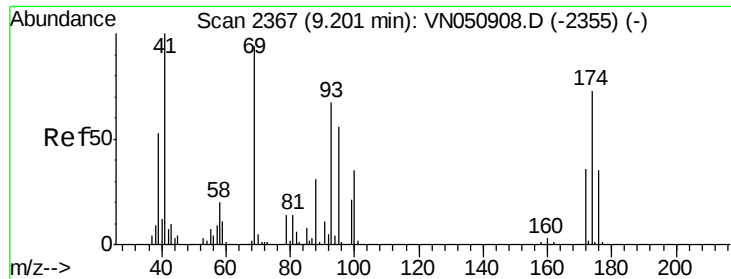
MMDadoda
9/4/2018 12:28:17 PM



#44
Isopropyl Acetate
Concen: 17.21 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Tgt Ion: 43 Resp: 181224
Ion Ratio Lower Upper
43 100
61 19.5 16.3 24.5





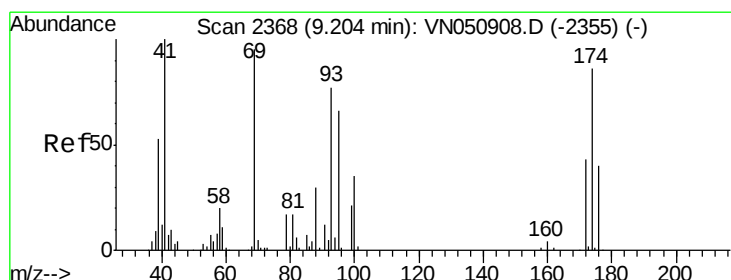
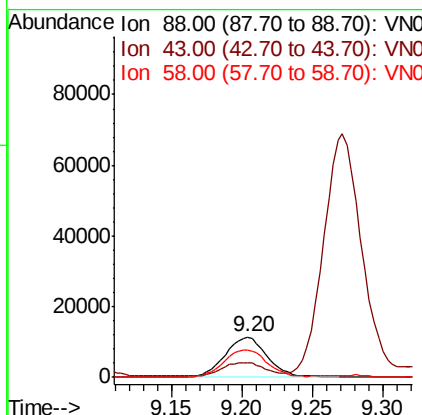
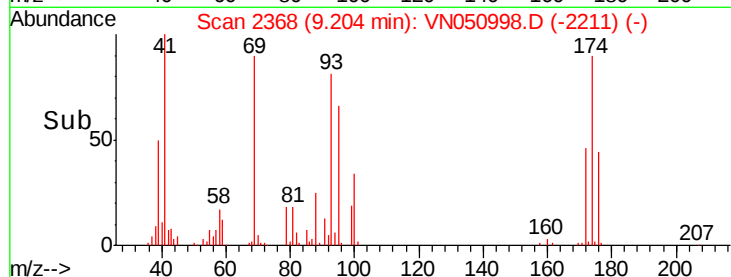
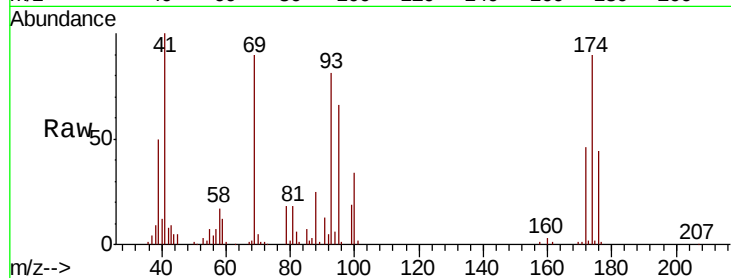
#45
1,4-Dioxane
Concen: 305.81 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS02

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	34.2	23.5	35.3	
58	70.5	55.2	82.8	

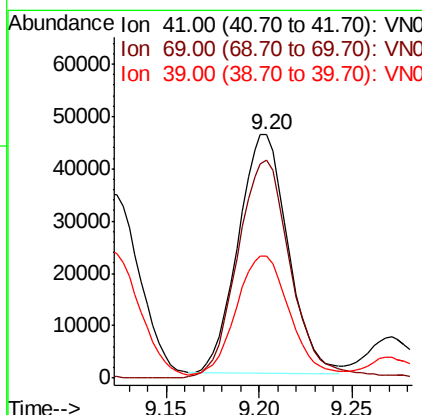
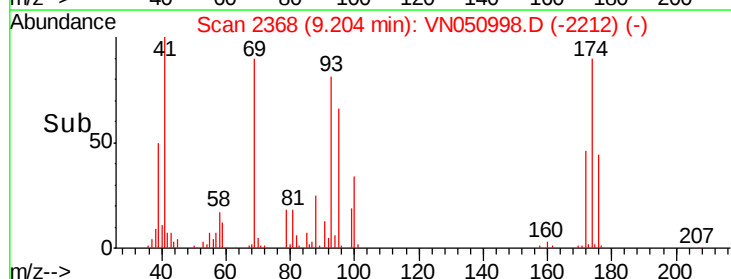
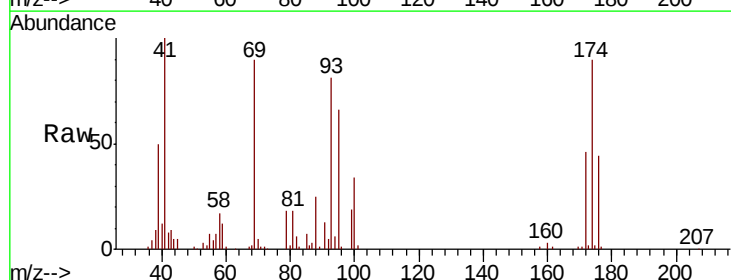
Manual Integrations
APPROVED

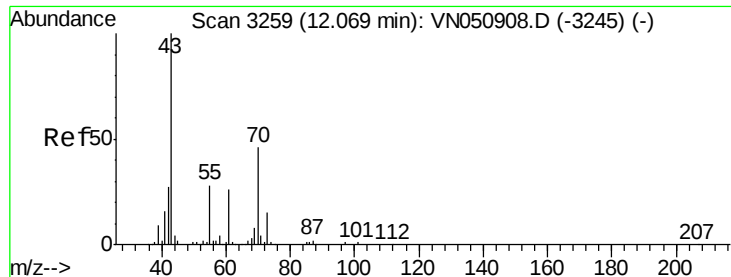
MMDadoda
9/4/2018 12:28:17 PM



#46
Methyl methacrylate
Concen: 16.10 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	91.3	47.4	142.2	
39	50.1	26.6	79.7	





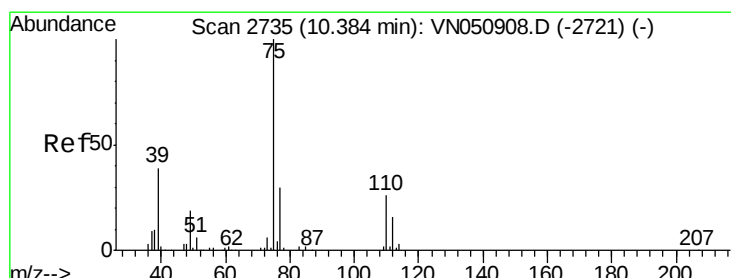
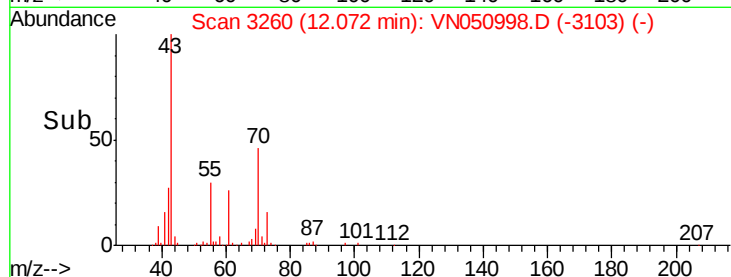
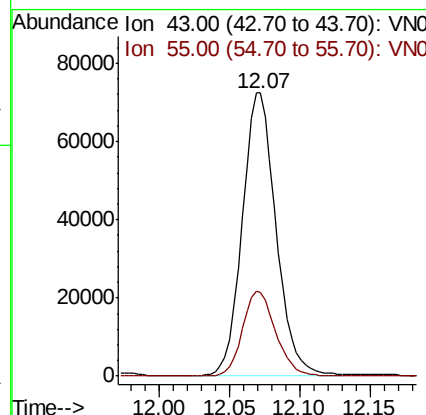
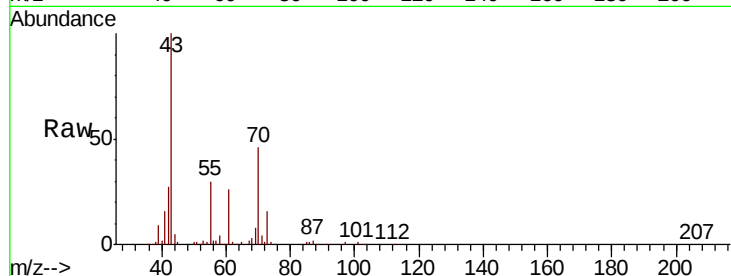
#47
n-amyl Acetate
Concen: 14.27 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Instrument :
MSVOA_N
ClientSampled :
VN0831WBS02

Tot Ion: 43 Resp: 120807
Ion Ratio Lower Upper
43 100
55 29.7 23.0 34.4

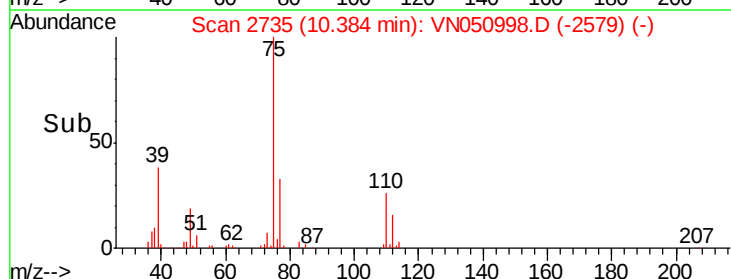
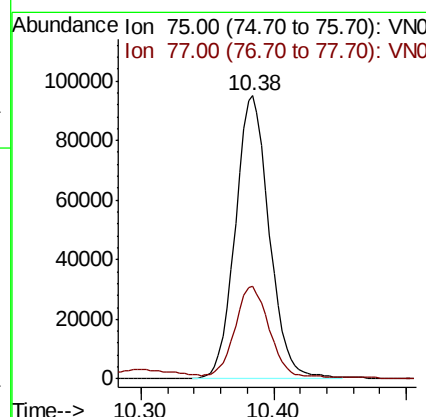
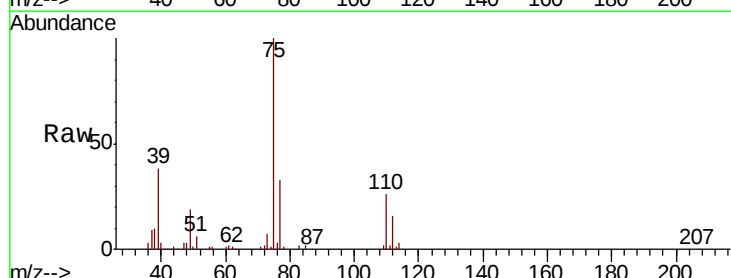
Manual Integrations
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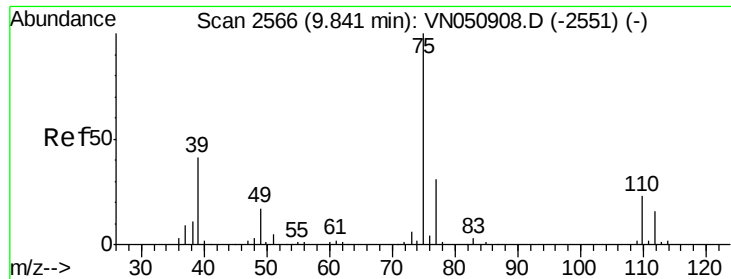
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 17.76 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Tgt Ion: 75 Resp: 169200
Ion Ratio Lower Upper
75 100
77 32.0 24.8 37.2





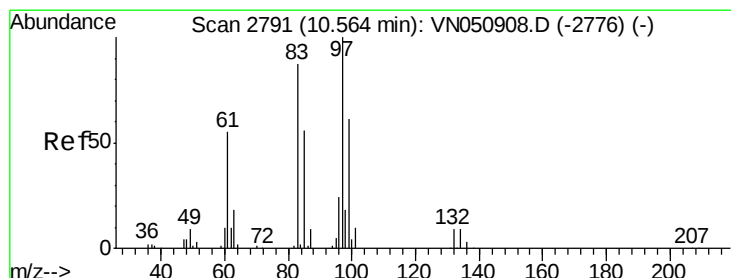
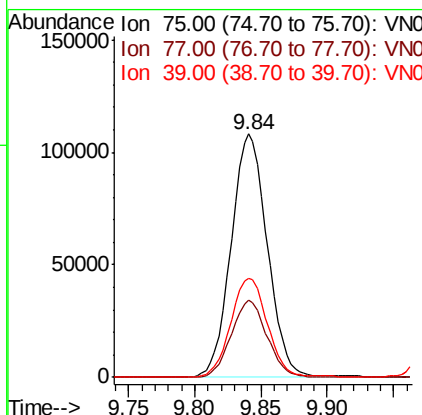
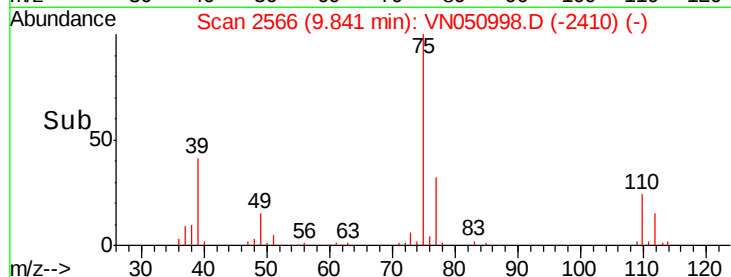
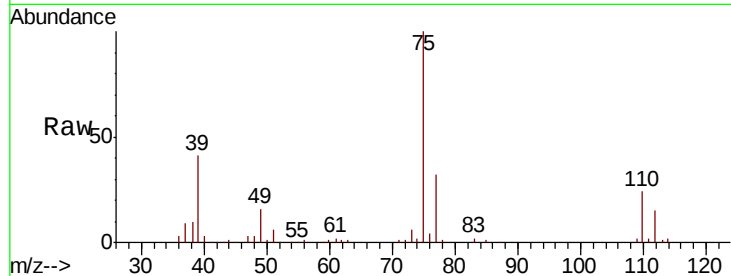
#49
 cis-1,3-Dichloropropene
 Concen: 18.75 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4
39	40.7	32.9	49.3

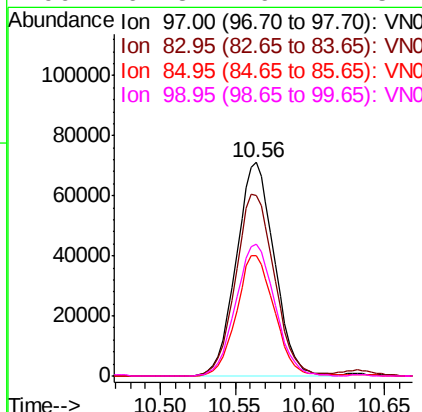
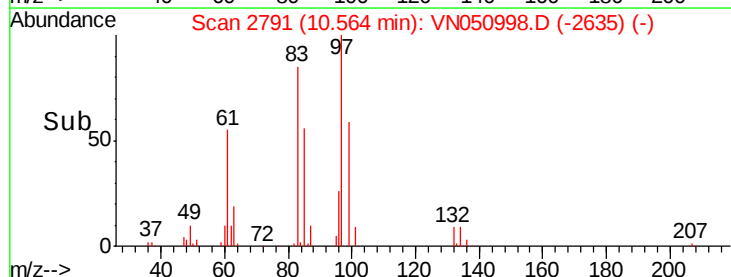
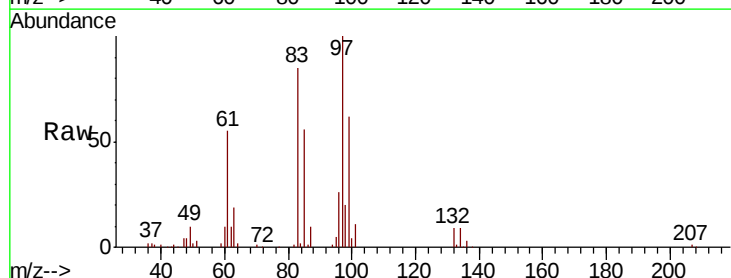
Manual Integrations
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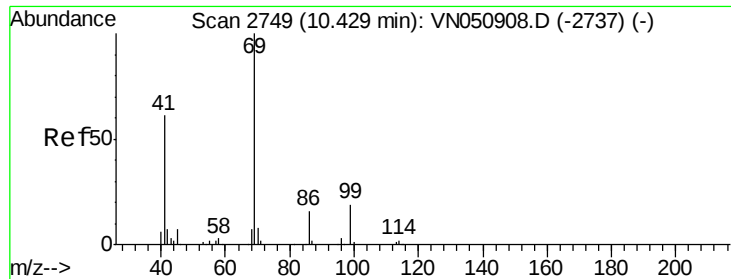
MMDadoda
 9/4/2018 12:28:17 PM



#50
 1,1,2-Trichloroethane
 Concen: 18.82 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.8	104.6
85	56.3	45.0	67.6
99	61.8	49.1	73.7





#51

Ethyl methacrylate

Concen: 16.16 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Instrument :

MSVOA_N

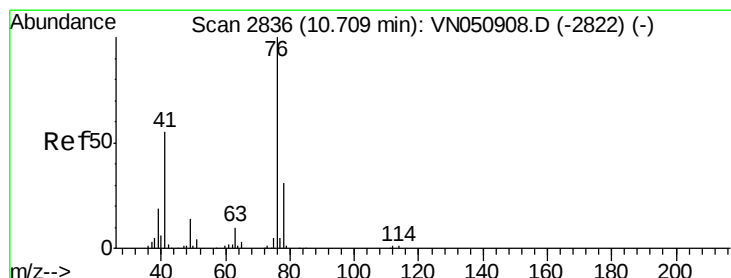
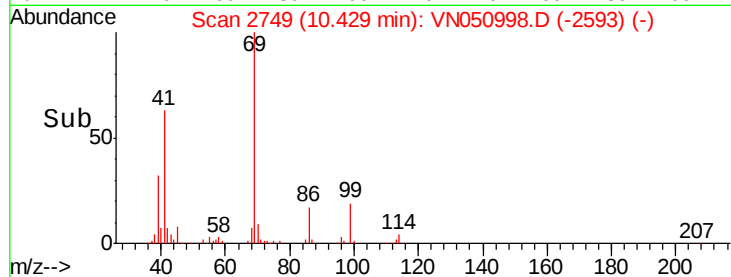
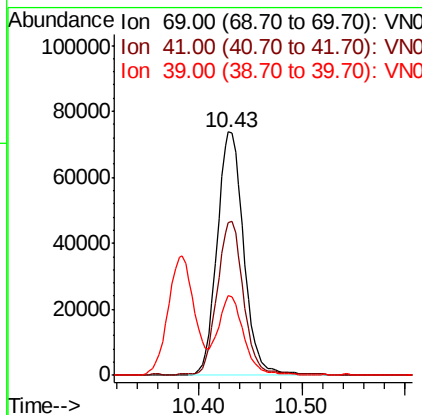
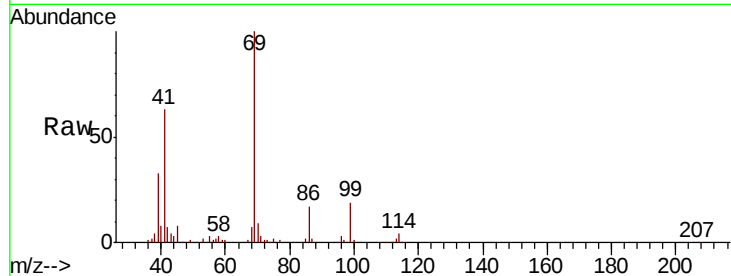
ClientSampled :

VN0831WBS02

Tot Ion:	69	Resp:	132391
Ion	Ratio	Lower	Upper
69	100		
41	62.7	30.5	91.5
39	32.4	15.3	45.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.48 ug/l

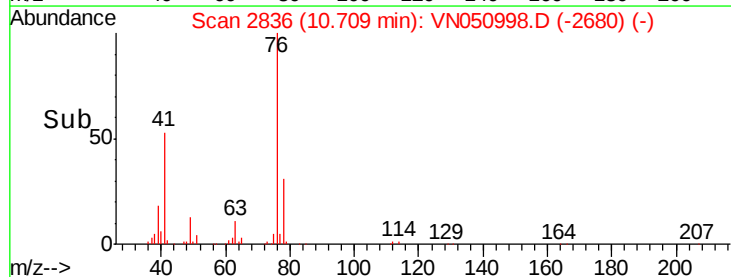
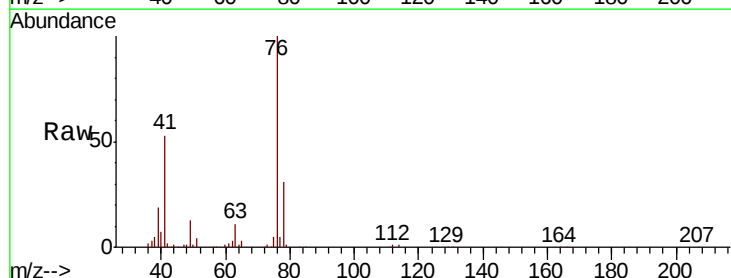
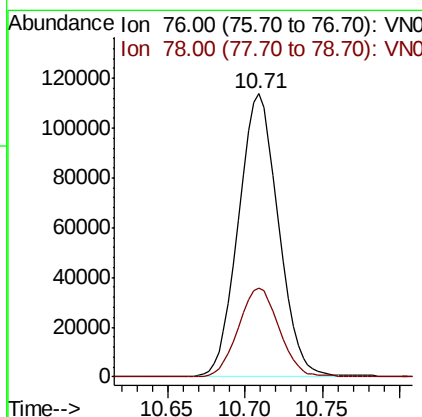
RT: 10.71 min Scan# 2836

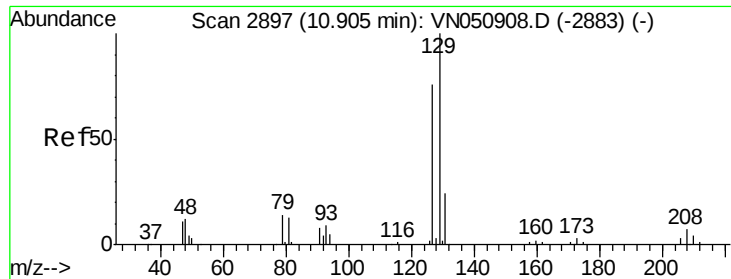
Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Tgt Ion:	76	Resp:	204987
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	63.4





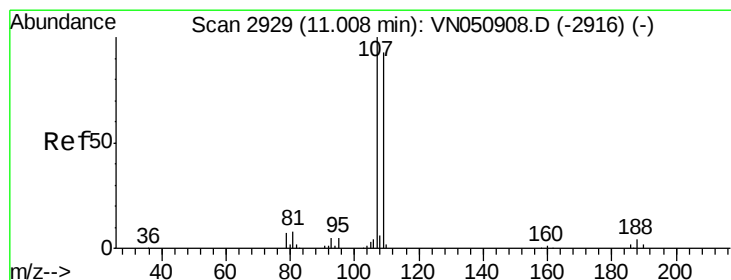
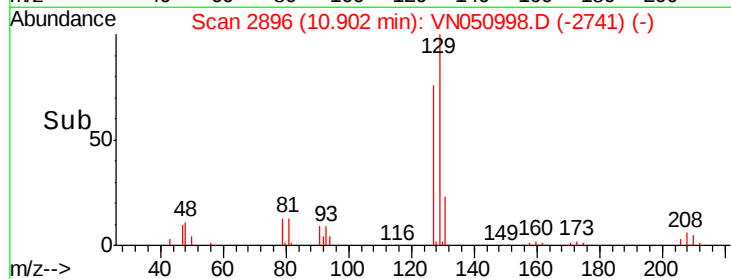
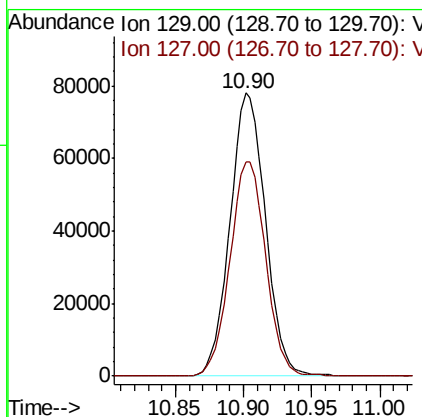
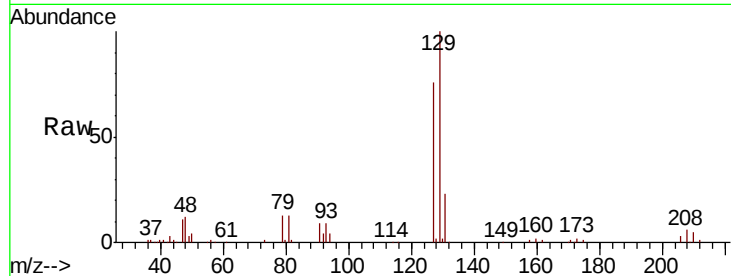
#53
 Dibromochloromethane
 Concen: 18.50 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. -0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS02

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.4	39.0	116.9

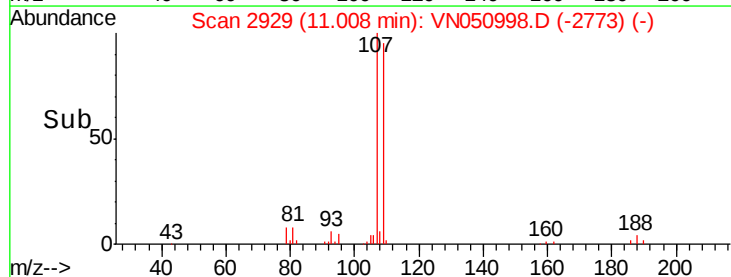
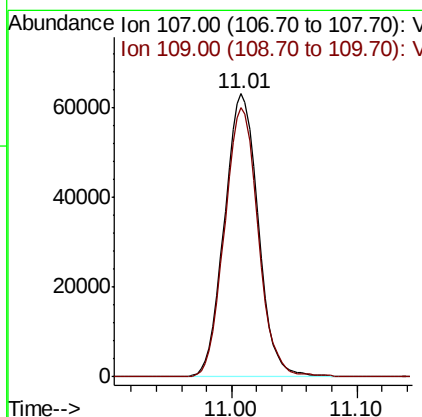
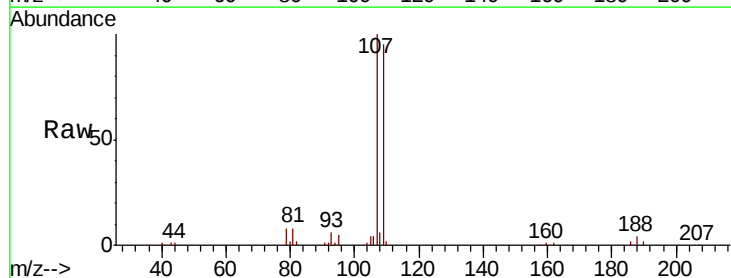
Manual Integrations
 APPROVED

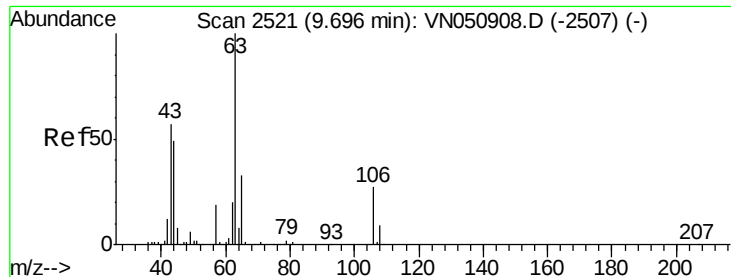
MMDadoda
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#54
 1,2-Dibromoethane
 Concen: 17.79 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	74.4	111.6





#55

2-Chloroethyl vinyl ether

Concen: 78.73 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Instrument :

MSVOA_N

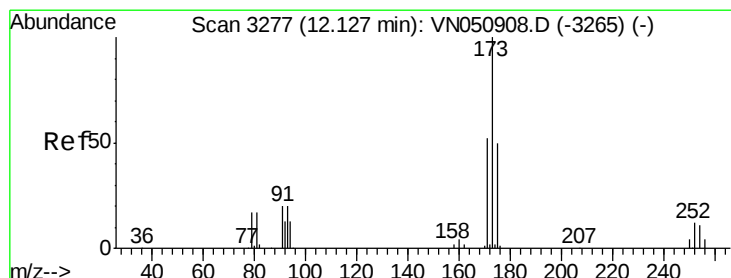
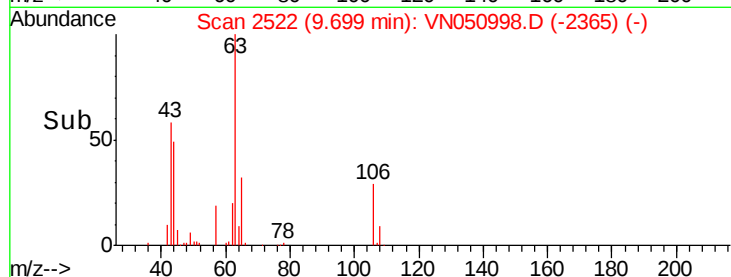
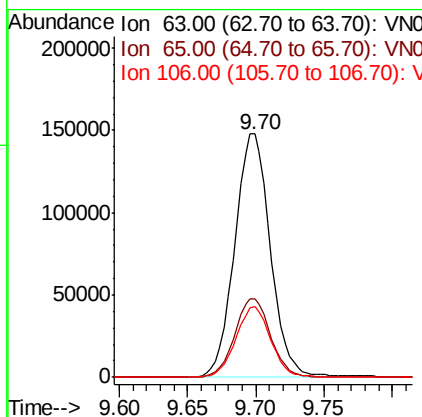
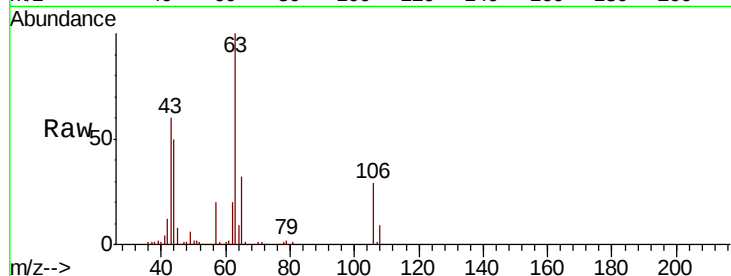
ClientSampleId :

VN0831WBS02

Tot Ion:	63	Resp:	268449
Ion Ratio	Lower	Upper	
63	100		
65	32.5	25.4	38.2
106	28.3	22.0	33.0

Manual Integrations
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#56

Bromoform

Concen: 16.92 ug/l

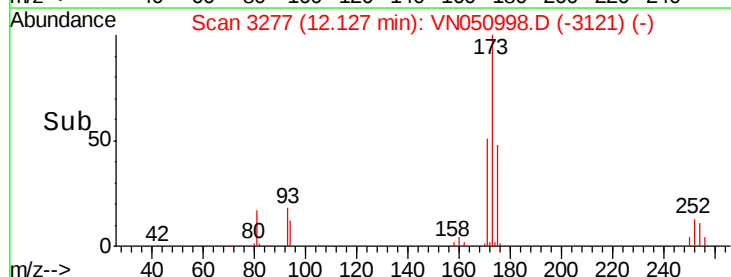
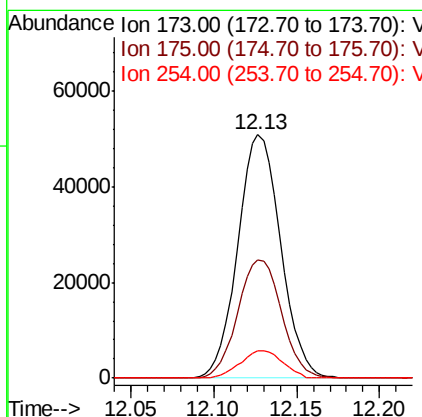
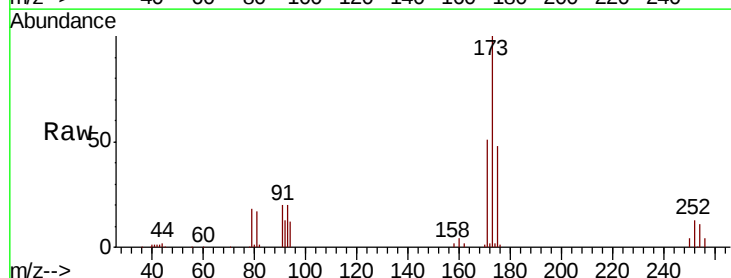
RT: 12.13 min Scan# 3277

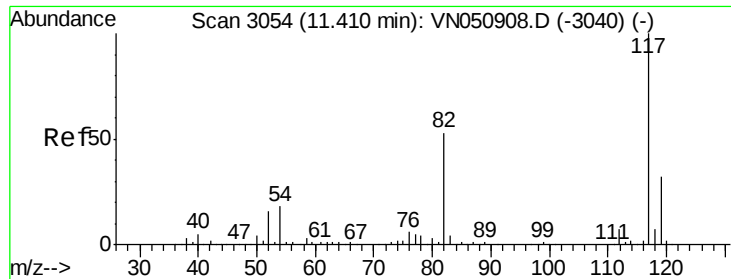
Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Tgt Ion:	173	Resp:	91661
Ion Ratio	Lower	Upper	
173	100		
175	49.7	39.2	58.8
254	11.1	9.0	13.6





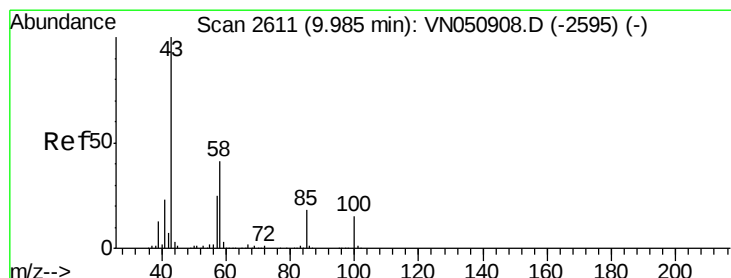
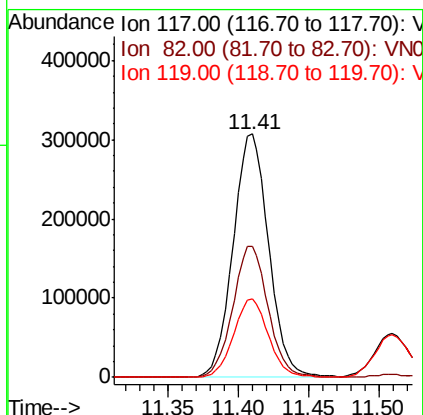
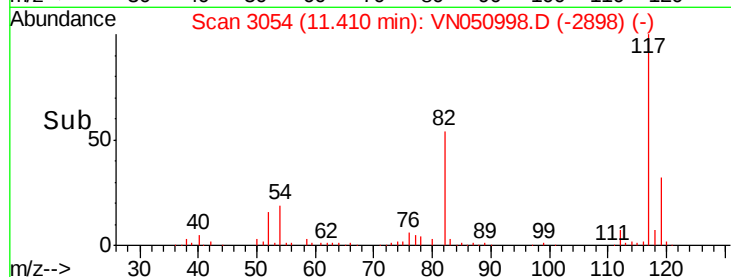
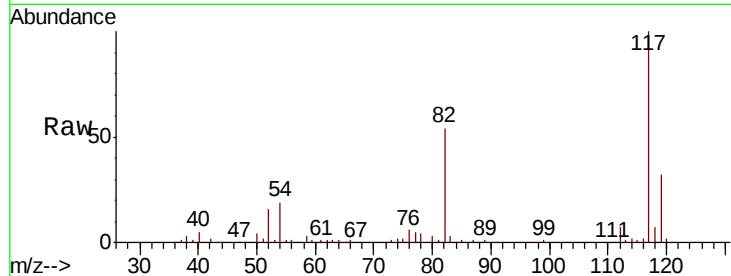
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Instrument :
MSVOA_N
ClientSampled :
VN0831WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.6	64.0
119	31.8	25.7	38.5

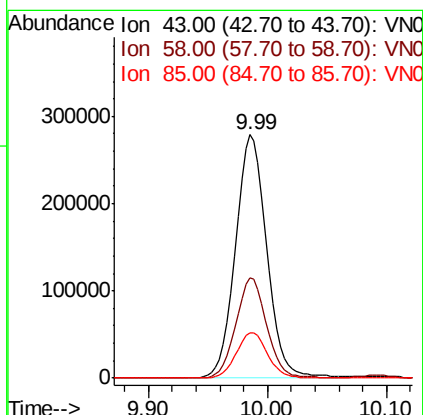
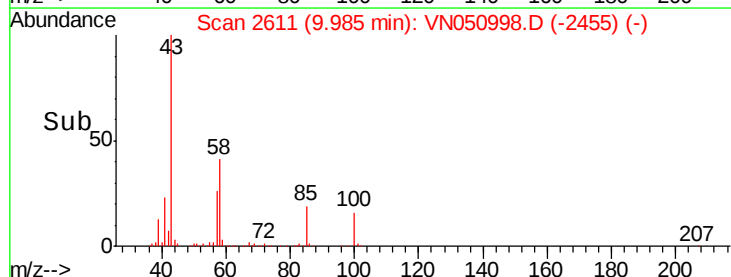
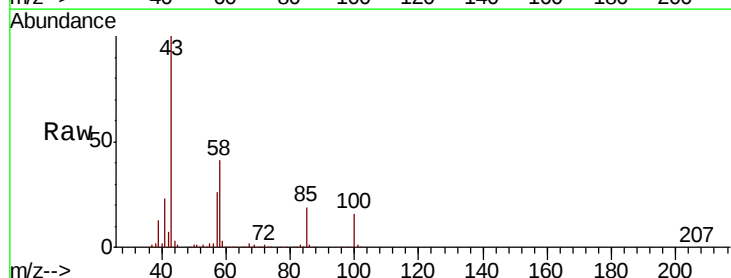
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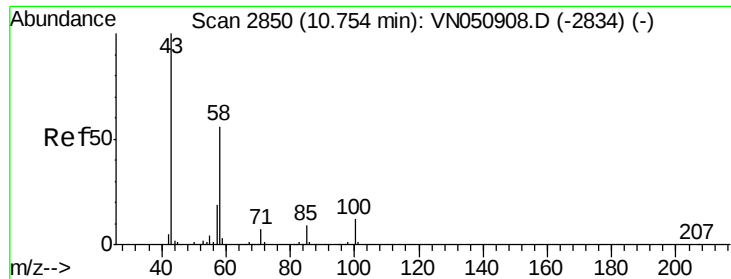
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 81.25 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.0	32.3	48.5
85	18.8	14.9	22.3





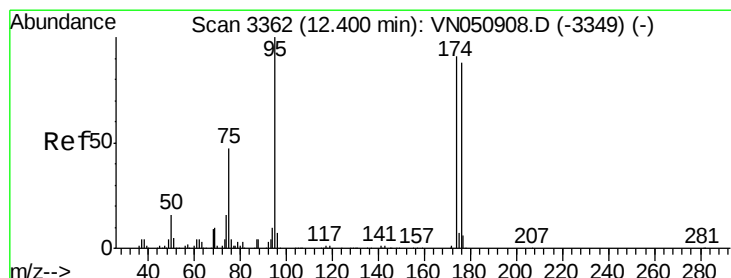
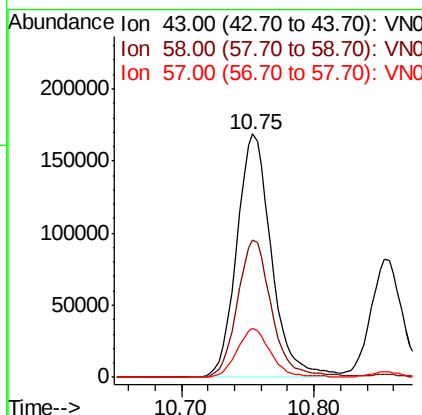
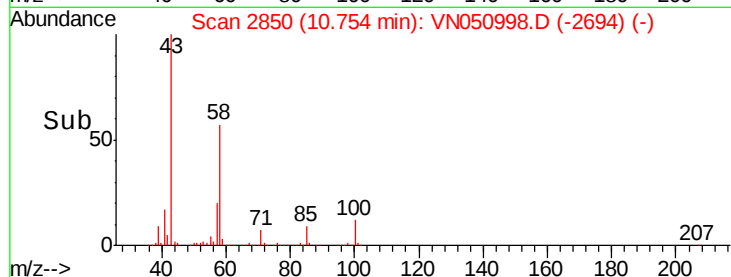
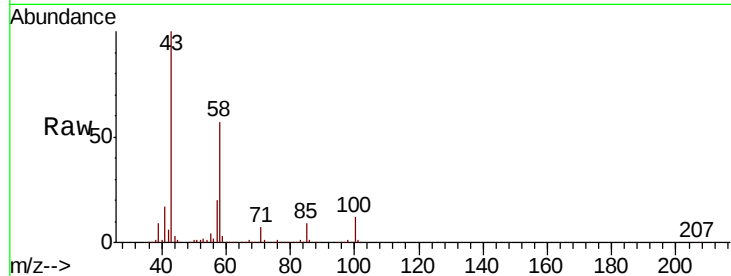
#59
2-Hexanone
Concen: 75.14 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Instrument :
MSVOA_N
ClientSampled :
VN0831WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	45.5	68.3
57	19.8	15.2	22.8

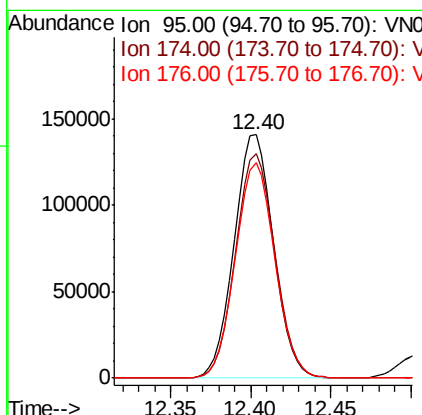
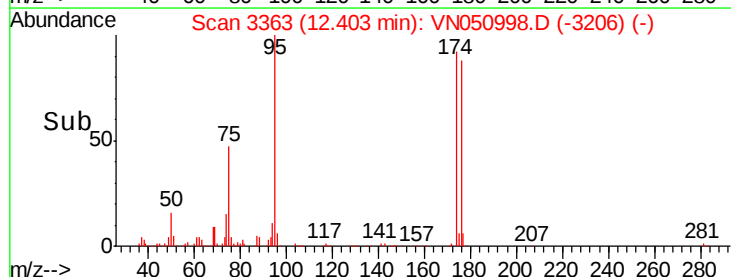
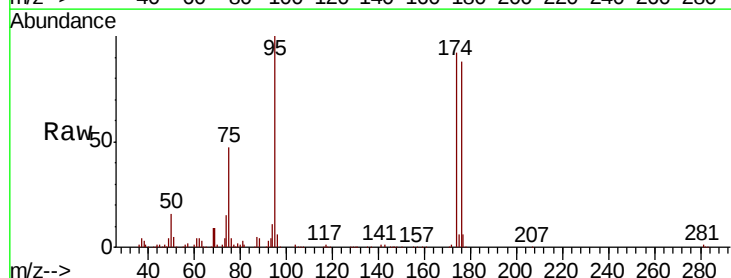
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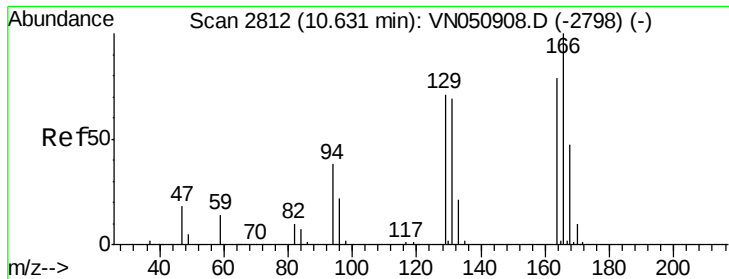
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.29 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.4	74.6	112.0
176	88.7	71.5	107.3





#61

Tetrachloroethene

Concen: 20.09 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBS02

Tot Ion:164 Resp: 135942

Ion Ratio Lower Upper

164 100

166 128.6 100.6 151.0

129 90.5 71.0 106.6

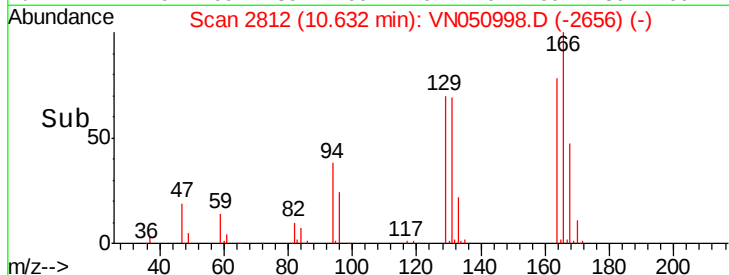
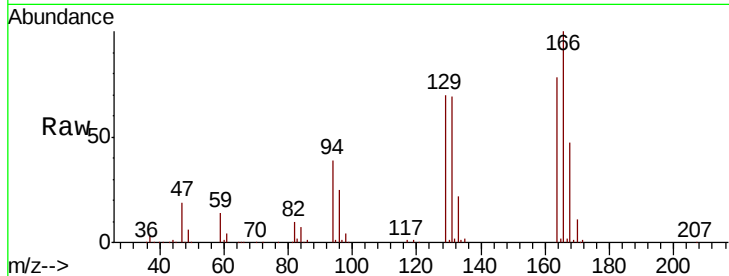
131 88.8 69.3 103.9

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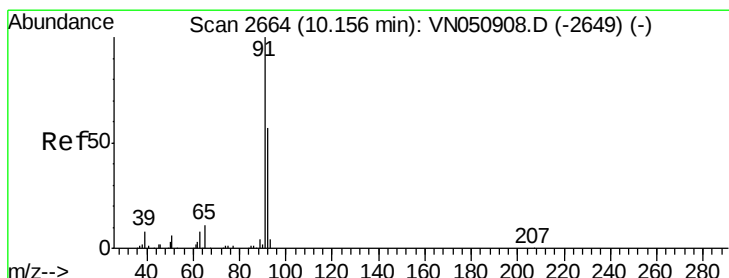
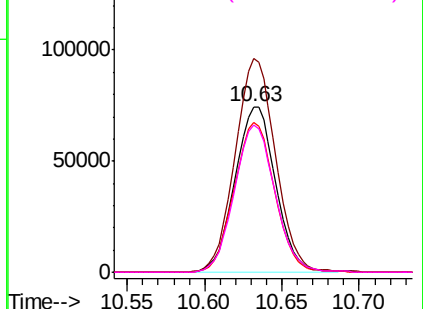


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.88 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050998.D

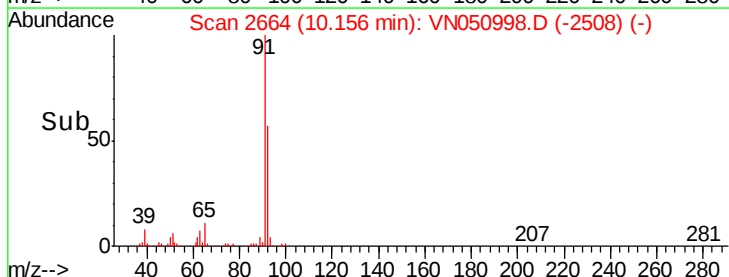
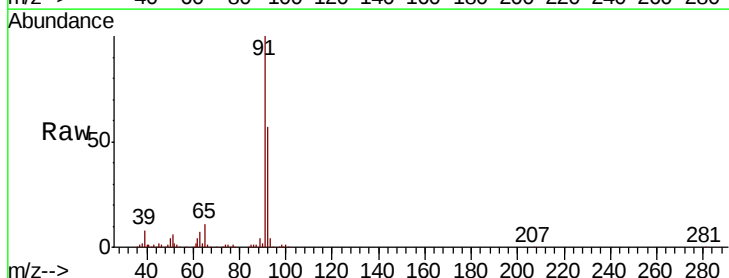
Acq: 31 Aug 2018 19:45

Tgt Ion: 91 Resp: 602135

Ion Ratio Lower Upper

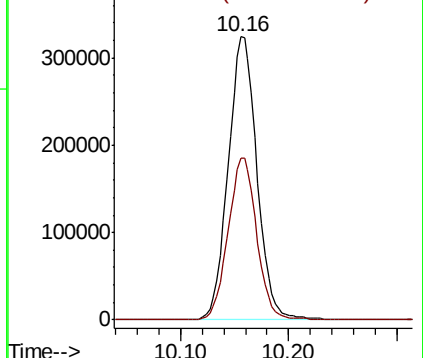
91 100

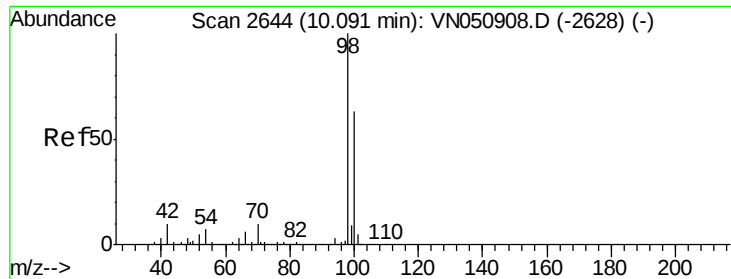
92 56.9 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





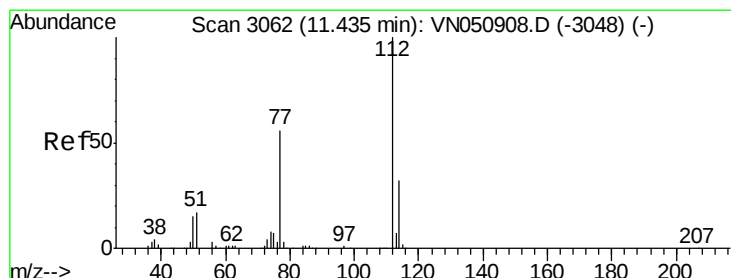
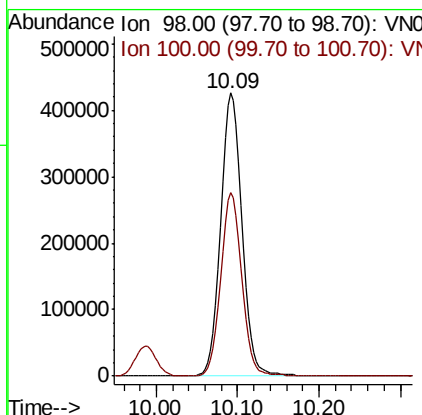
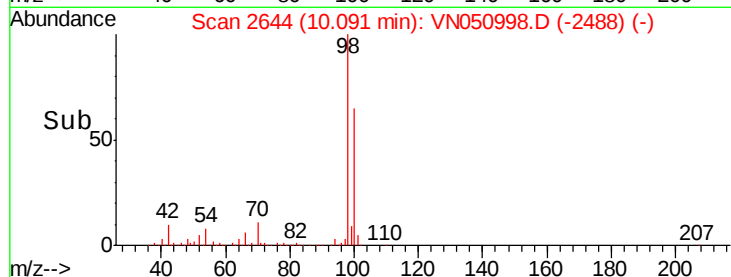
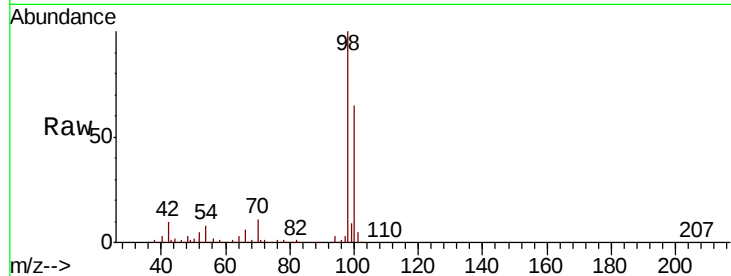
#63
Toluene-d8
Concen: 31.29 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Instrument :
MSVOA_N
ClientSampled :
VN0831WBS02

Tot Ion: 98 Resp: 792195
Ion Ratio Lower Upper
98 100
100 63.6 50.6 75.8

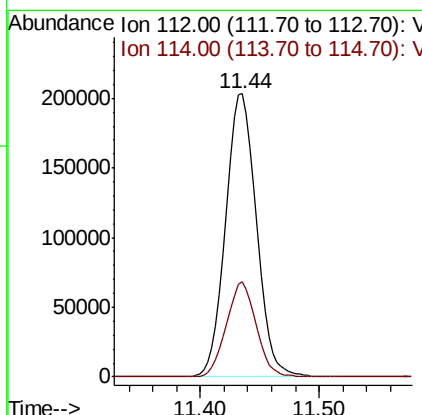
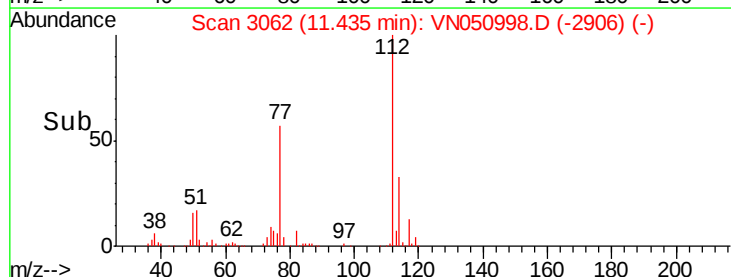
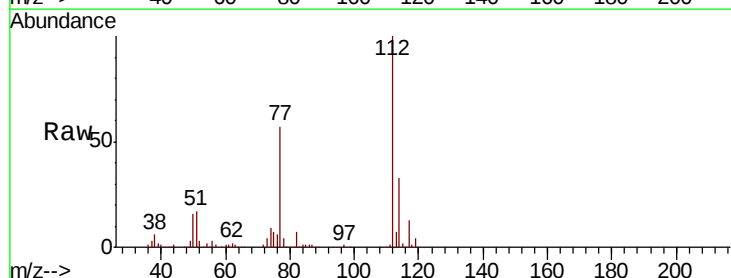
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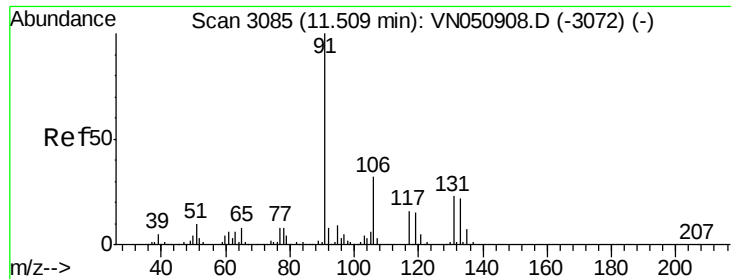
MMDadoda
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#64
Chlorobenzene
Concen: 19.53 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Tgt Ion: 112 Resp: 366597
Ion Ratio Lower Upper
112 100
114 33.5 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.14 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Instrument :

MSVOA_N

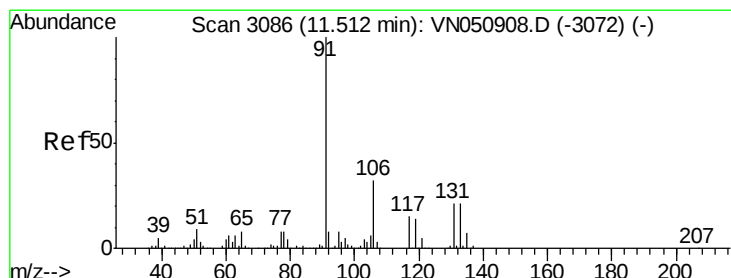
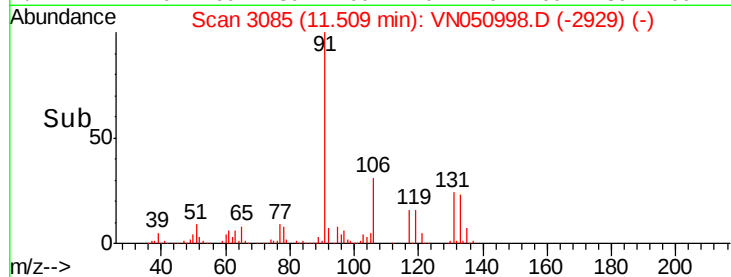
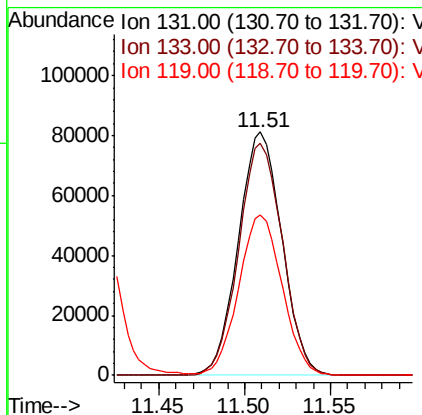
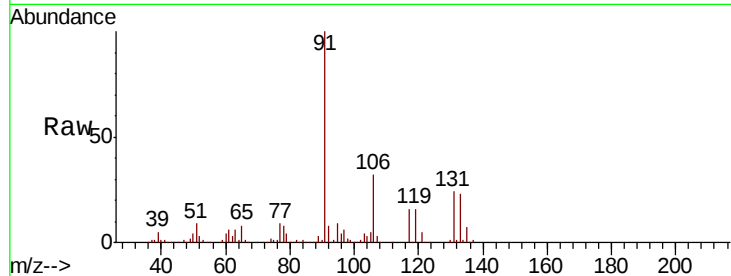
ClientSampled :

VN0831WBS02

Tot Ion:	131	Resp:	142728
Ion Ratio	Lower	Upper	
131	100		
133	95.8	0.0	189.4
119	65.9	0.0	132.2

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#66

Ethyl Benzene

Concen: 18.95 ug/l

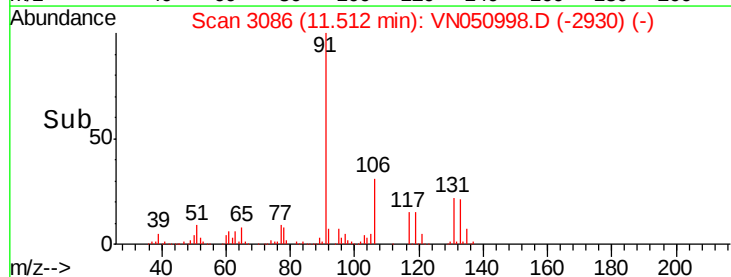
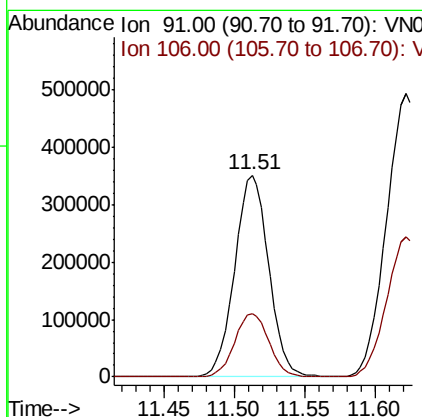
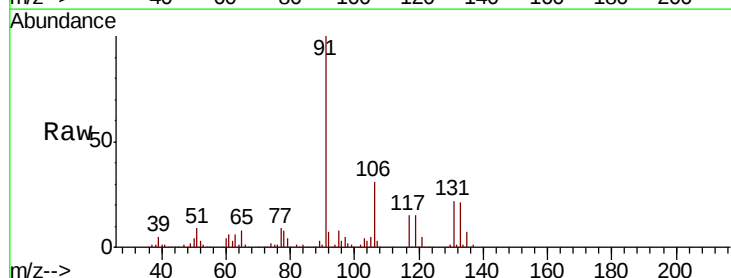
RT: 11.51 min Scan# 3086

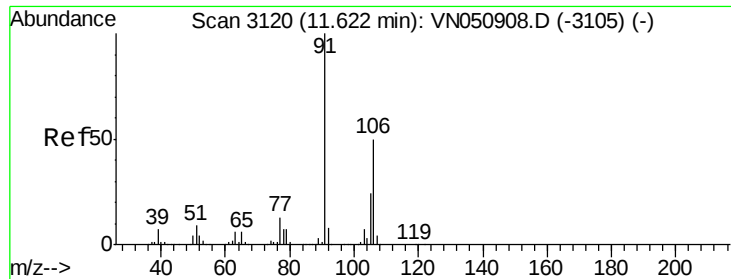
Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Tgt Ion:	91	Resp:	594495
Ion Ratio	Lower	Upper	
91	100		
106	31.4	25.7	38.5





#67

m/p-Xylenes

Concen: 39.19 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBS02

Tot Ion:106 Resp: 473070

Ion Ratio Lower Upper

106 100

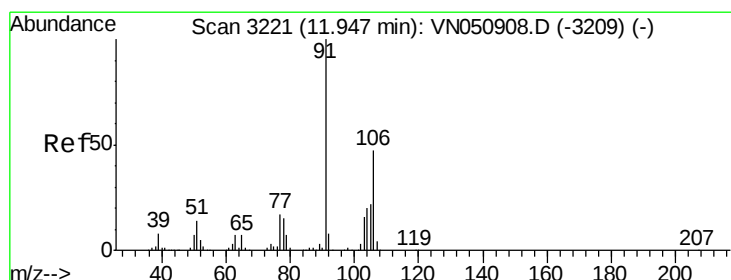
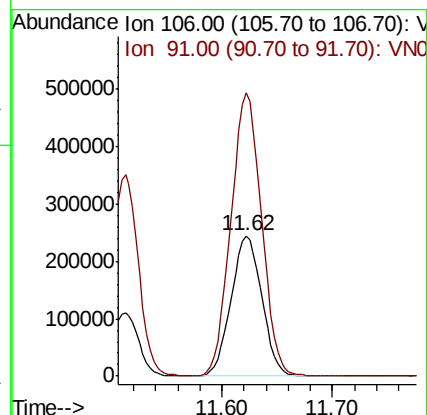
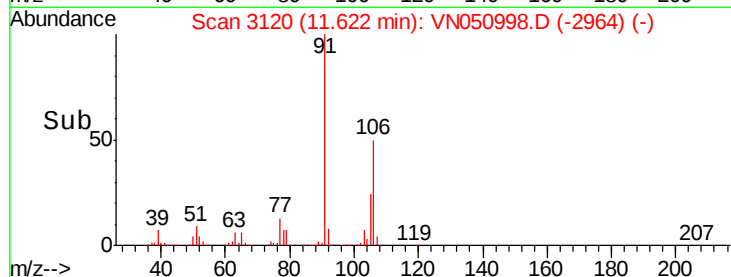
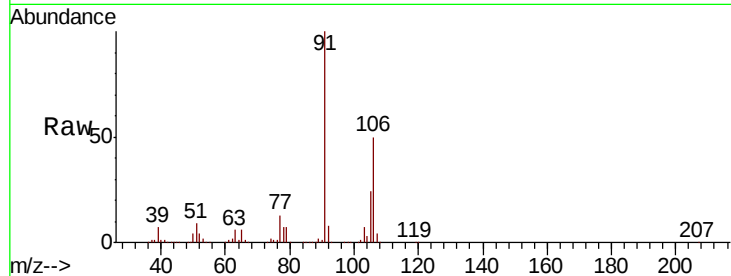
91 201.0 160.6 241.0

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#68

o-Xylene

Concen: 19.54 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050998.D

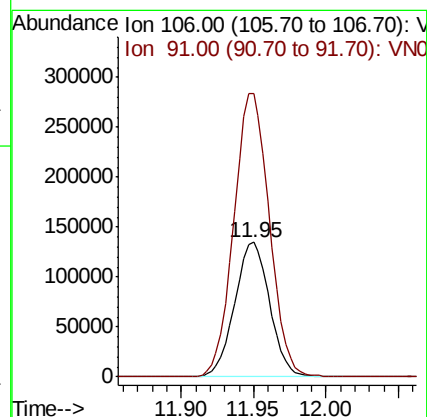
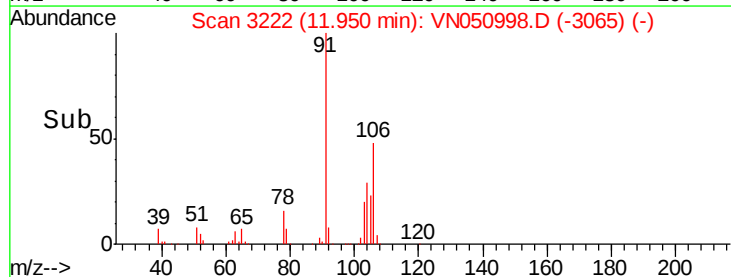
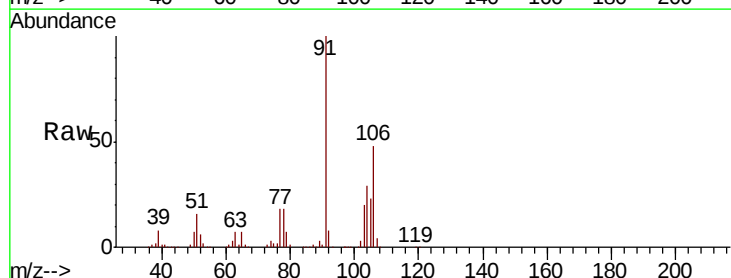
Acq: 31 Aug 2018 19:45

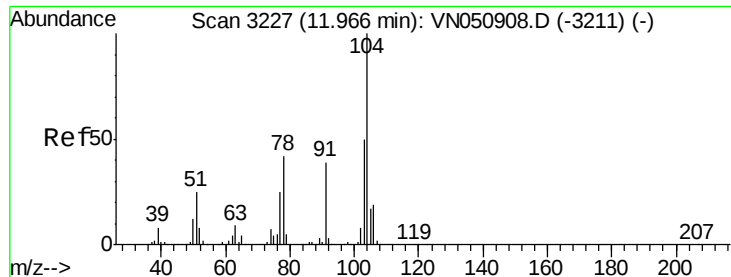
Tgt Ion:106 Resp: 225343

Ion Ratio Lower Upper

106 100

91 214.0 106.4 319.2





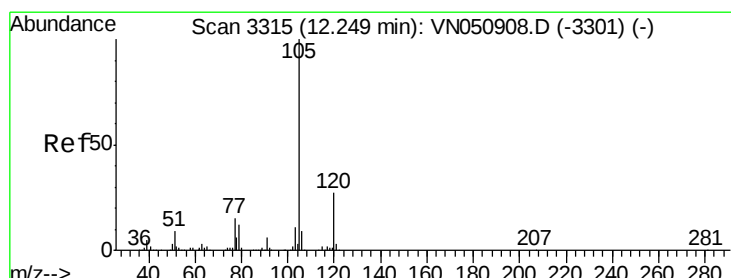
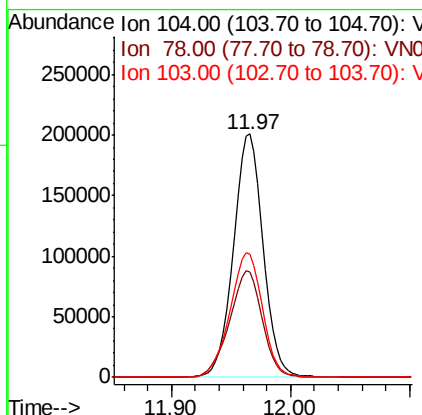
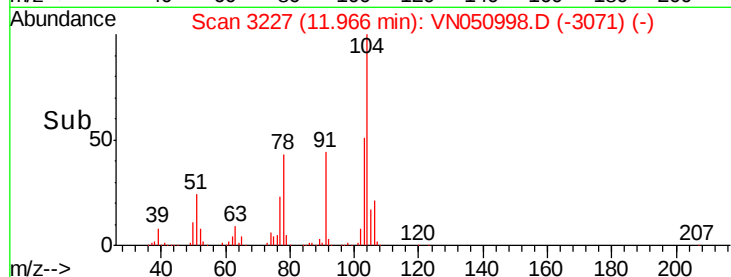
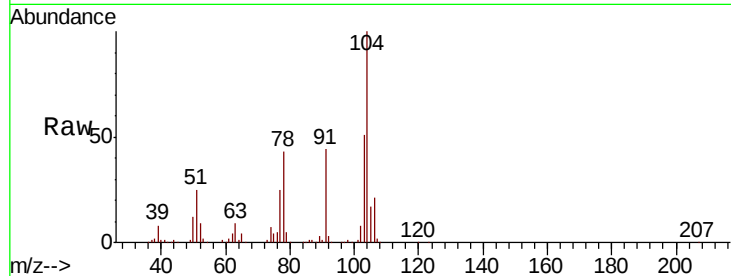
#69
Stvrene
Concen: 18.96 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS02

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.6	58.0
103	56.2	45.4	68.2

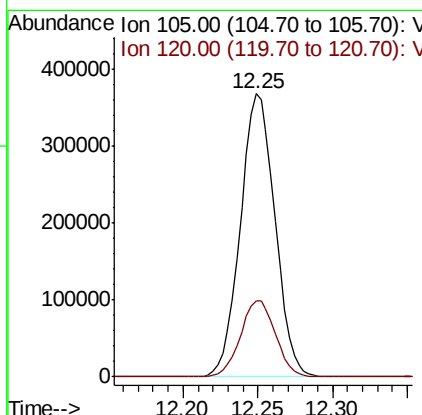
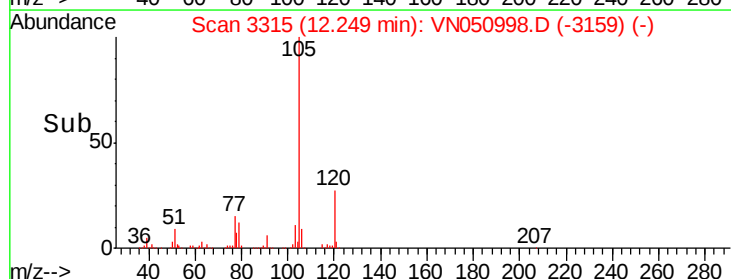
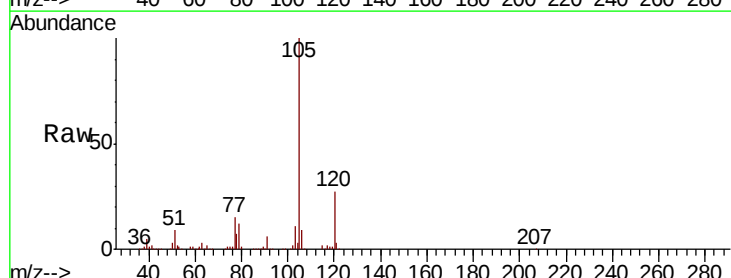
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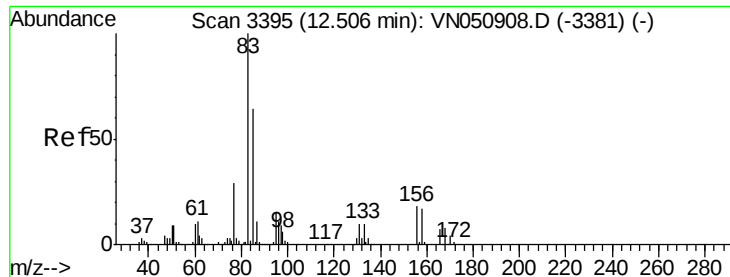
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#70
Isopropylbenzene
Concen: 19.32 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	18.6	34.6





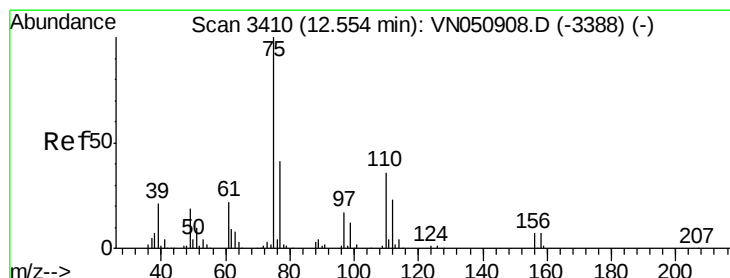
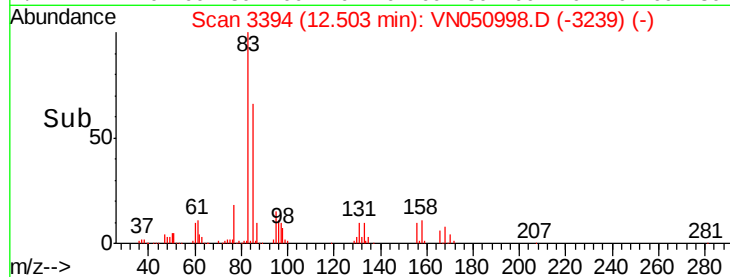
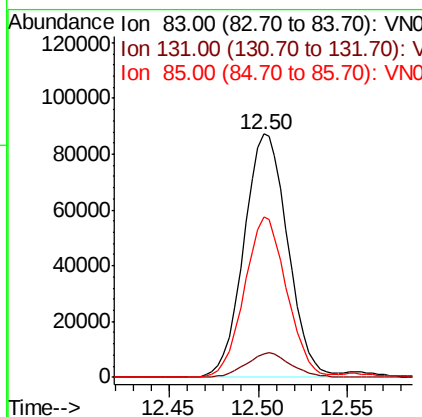
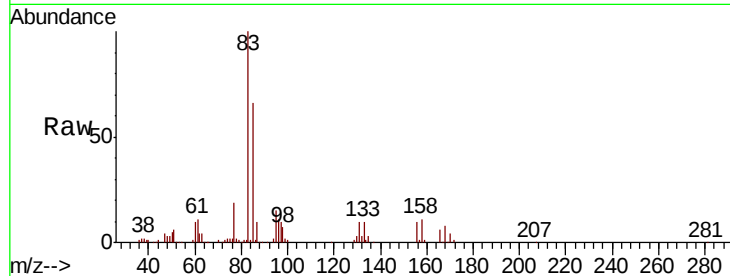
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.08 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	15.9
85	63.6	32.3	96.9

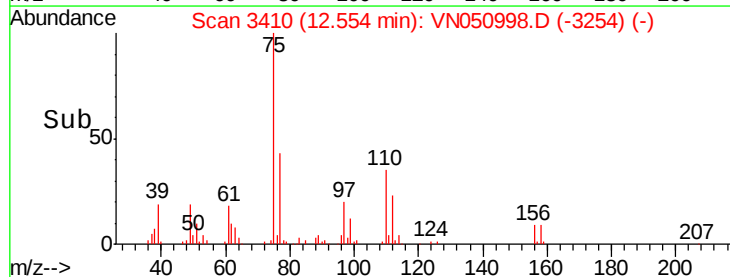
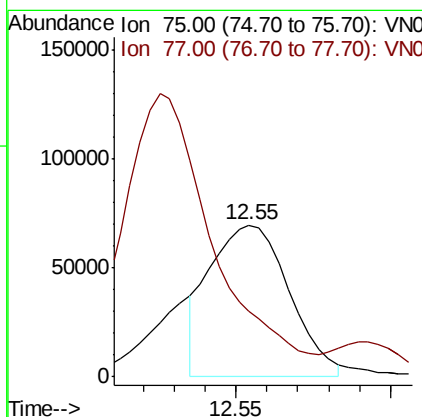
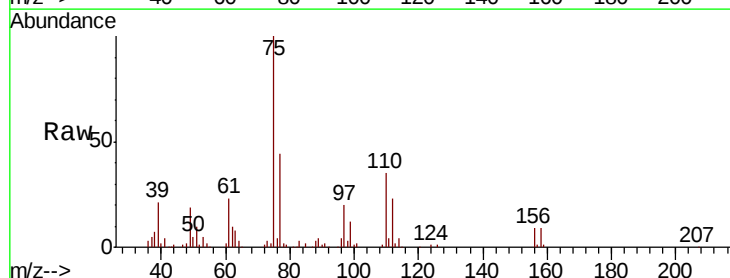
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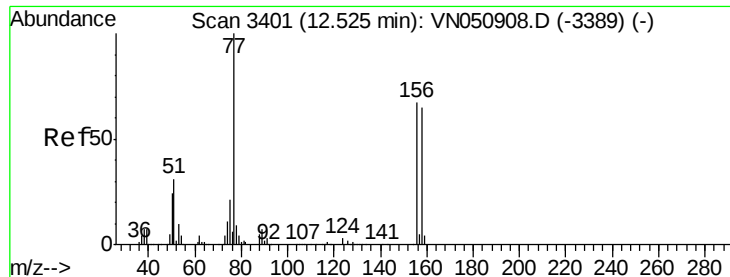
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#72
 1,2,3-Trichloropropane
 Concen: 17.44 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	214.1	0.0	301.6





#73

Bromobenzene

Concen: 18.80 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Instrument :

MSVOA_N

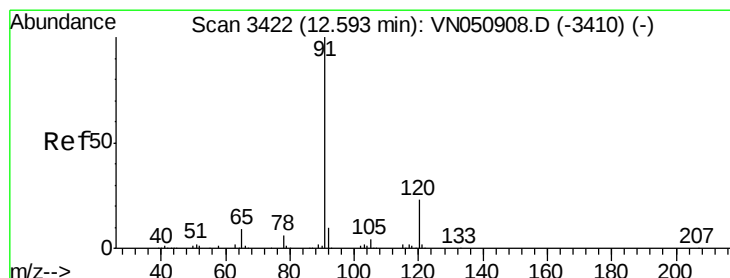
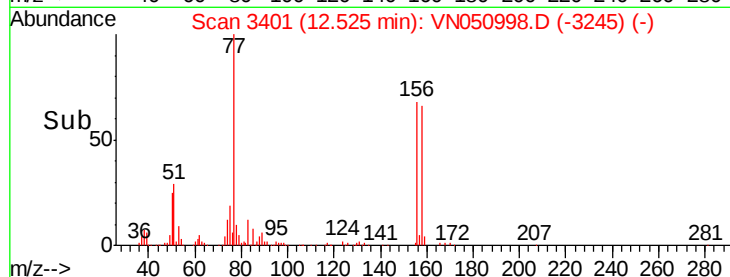
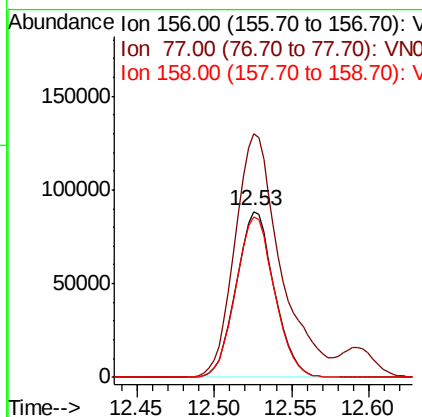
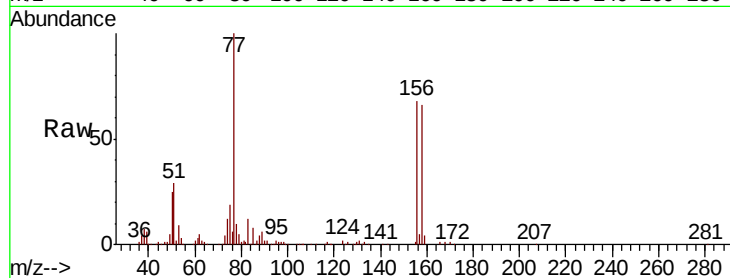
ClientSampled :

VN0831WBS02

Tot Ion:	156	Resp:	151628
Ion Ratio	Lower	Upper	
156	100		
77	176.3	0.0	359.4
158	98.0	0.0	194.6

Manual Integrations
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#74

n-propylbenzene

Concen: 18.87 ug/l

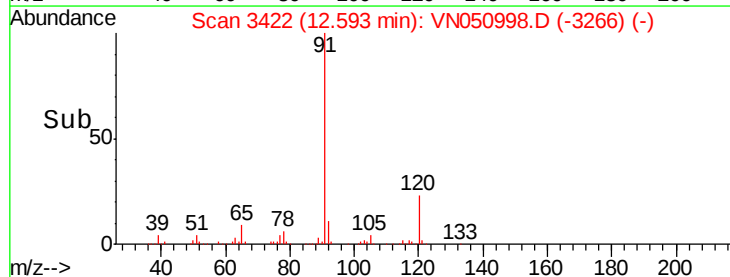
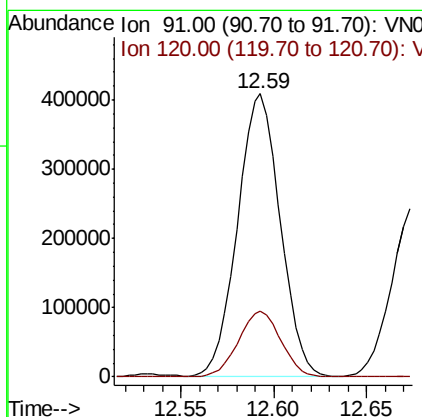
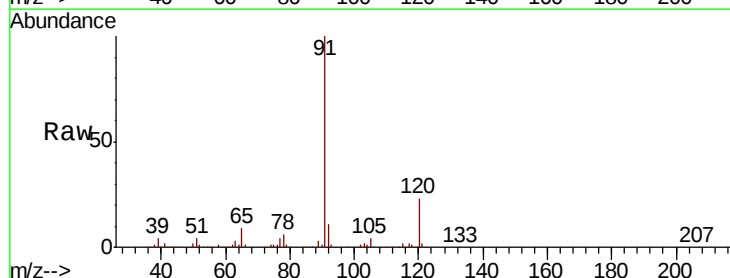
RT: 12.59 min Scan# 3422

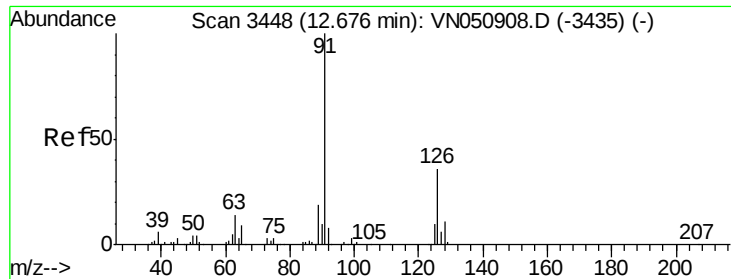
Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Tgt Ion:	91	Resp:	653977
Ion Ratio	Lower	Upper	
91	100		
120	23.0	0.0	46.0





#75

2-Chlorotoluene

Concen: 19.32 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBS02

Tot Ion: 91 Resp: 406773

Ion Ratio Lower Upper

91 100

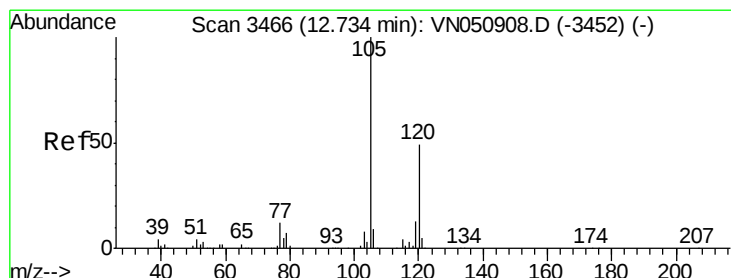
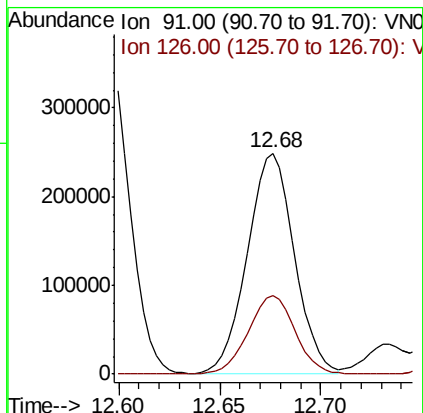
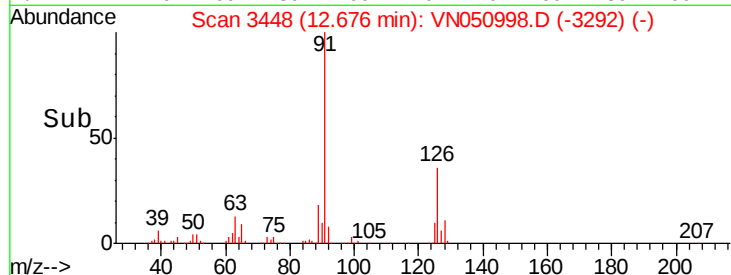
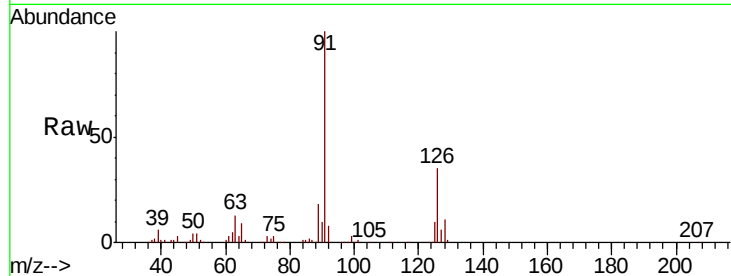
126 35.4 0.0 71.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.54 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050998.D

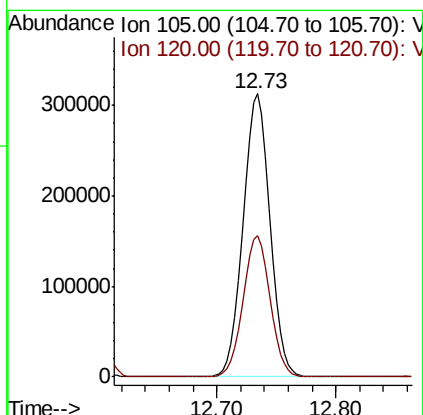
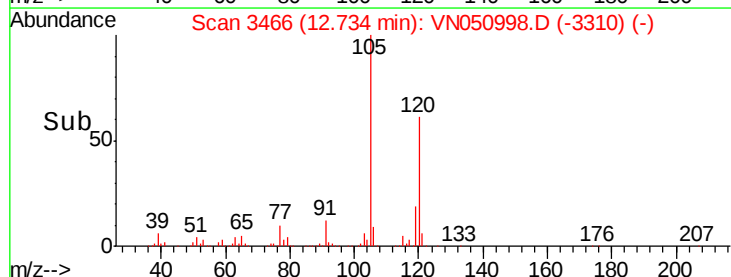
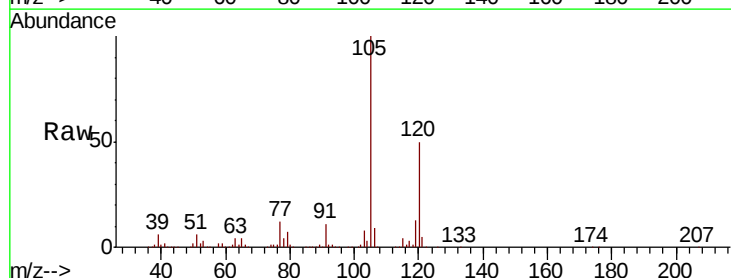
Acq: 31 Aug 2018 19:45

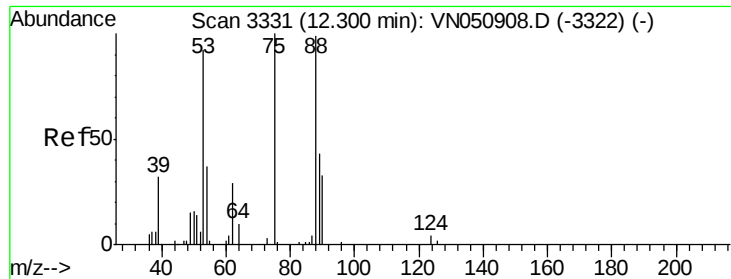
Tgt Ion: 105 Resp: 489507

Ion Ratio Lower Upper

105 100

120 50.1 0.0 99.6





#77

t-1,4-Dichloro-2-butene

Concen: 15.38 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Instrument :

MSVOA_N

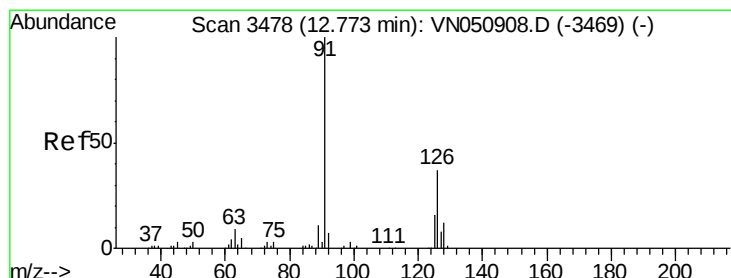
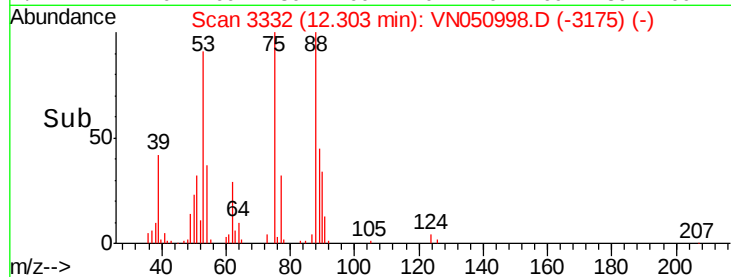
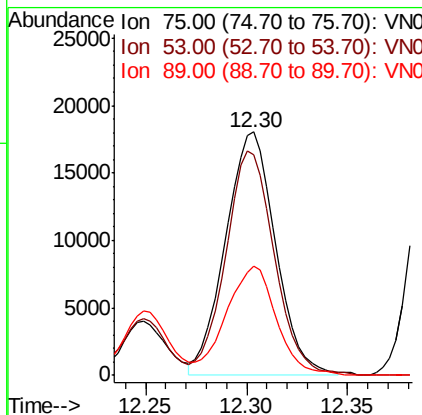
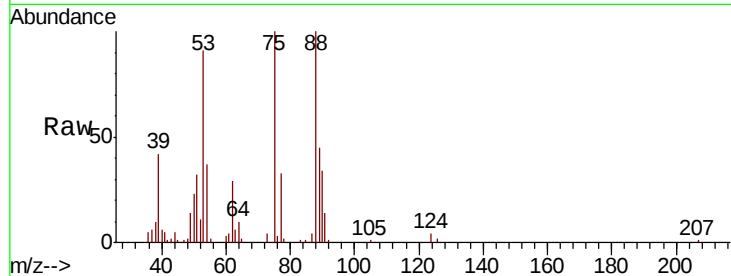
ClientSampleId :

VN0831WBS02

Tot Ion:	75	Resp:	31362
Ion Ratio	Lower	Upper	
75	100		
53	90.4	45.5	136.4
89	44.8	21.9	65.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 18.93 ug/l

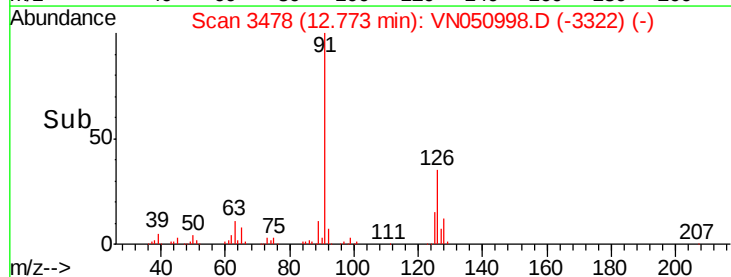
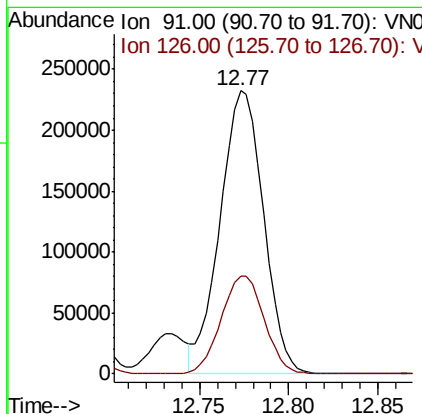
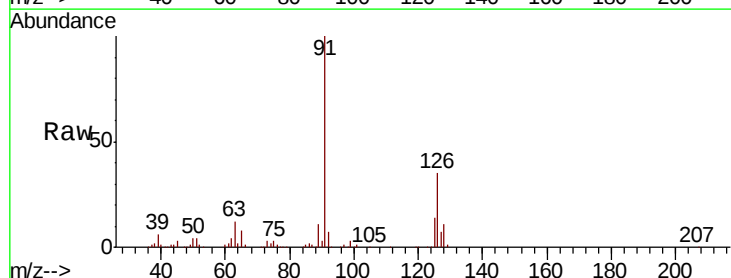
RT: 12.77 min Scan# 3478

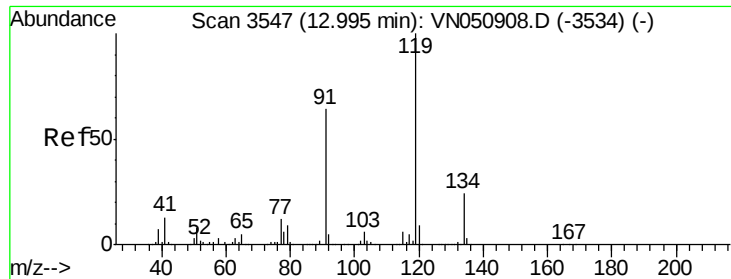
Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Tgt Ion:	91	Resp:	392402
Ion Ratio	Lower	Upper	
91	100		
126	34.4	0.0	69.8





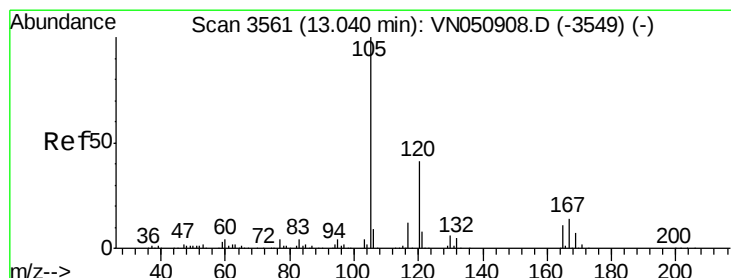
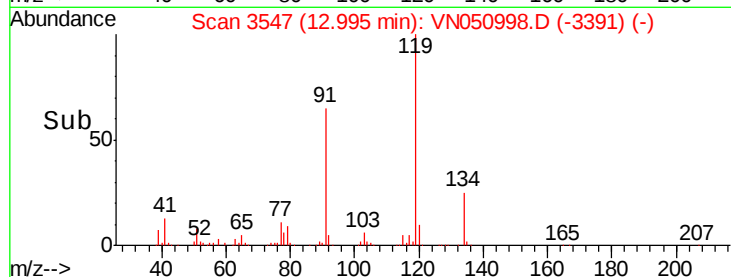
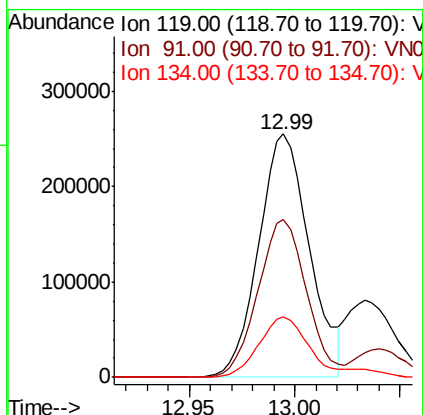
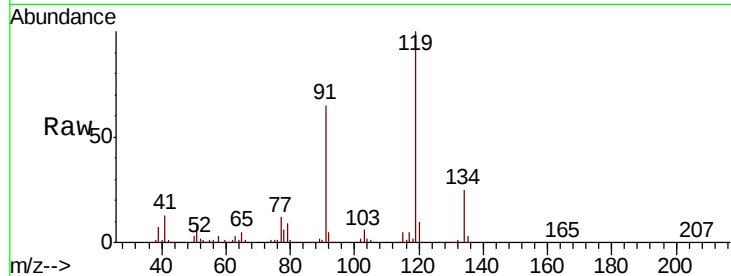
#79
tert-butylbenzene
Concen: 19.61 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Instrument :
MSVOA_N
ClientSampled :
VN0831WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	426666		
91	62.6	0.0	125.6	
134	23.9	0.0	48.4	

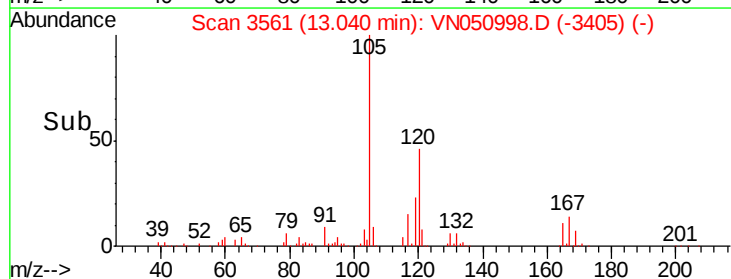
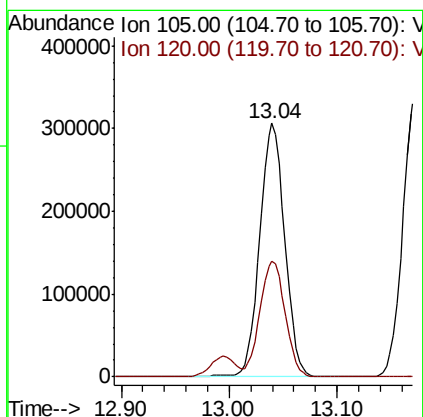
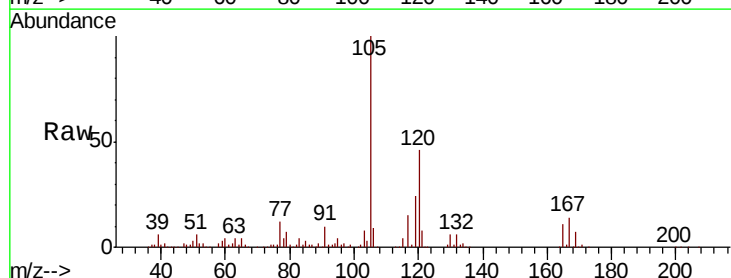
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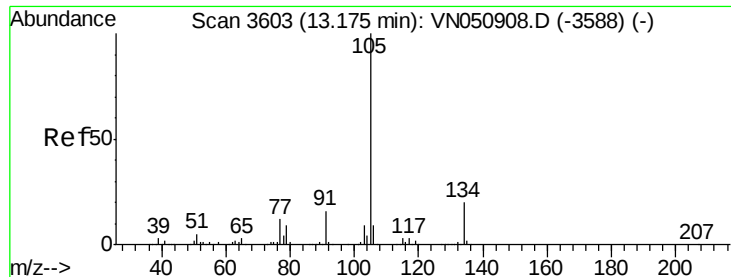
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.72 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	492457		
120	46.1	0.0	93.6	





#81

sec-Butylbenzene

Concen: 19.16 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Instrument :

MSVOA_N

ClientSampled :

VN0831WBS02

Tot Ion:105 Resp: 545365

Ion Ratio Lower Upper

105 100

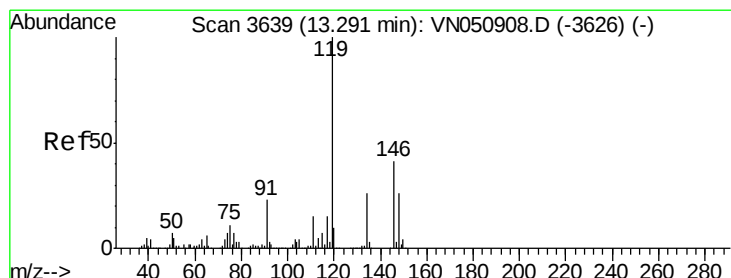
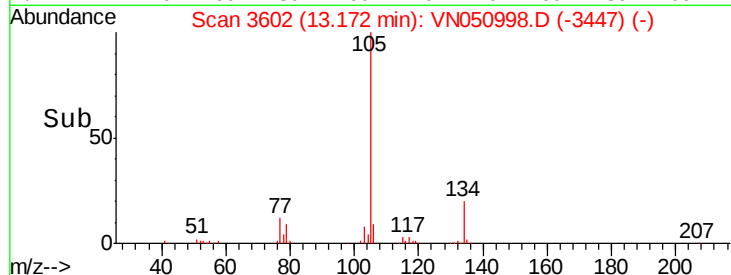
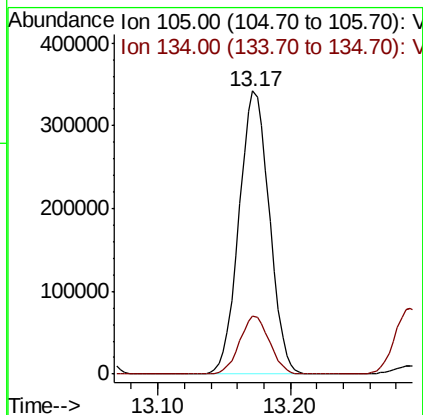
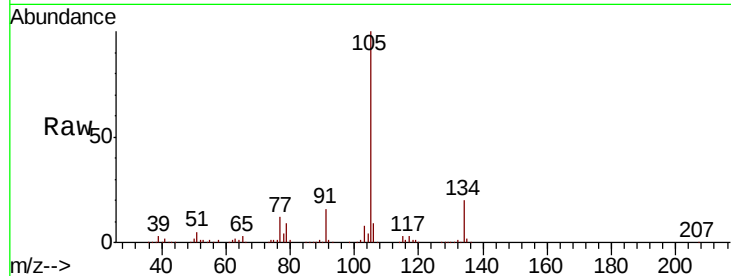
134 20.2 0.0 40.8

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#82

p-Isopropyltoluene

Concen: 18.84 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

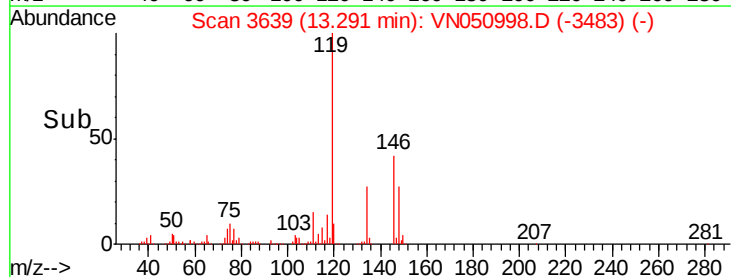
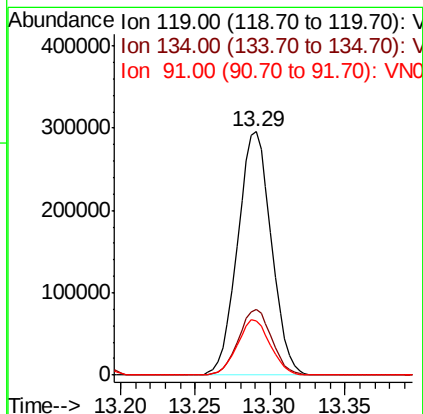
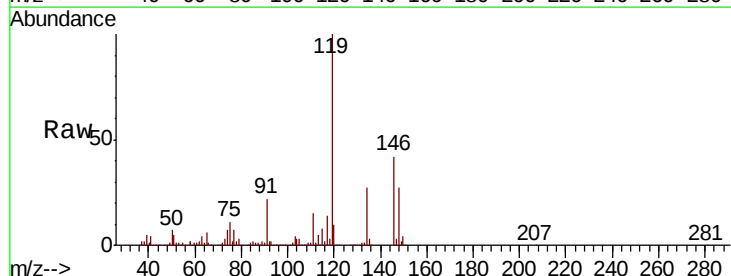
Tgt Ion:119 Resp: 462938

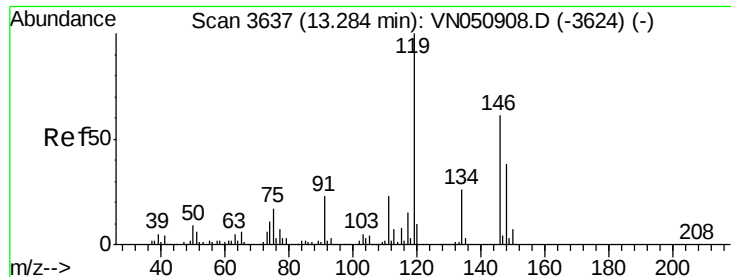
Ion Ratio Lower Upper

119 100

134 26.8 0.0 53.2

91 22.2 0.0 46.0





#83

1,3-Dichlorobenzene

Concen: 18.56 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Instrument :

MSVOA_N

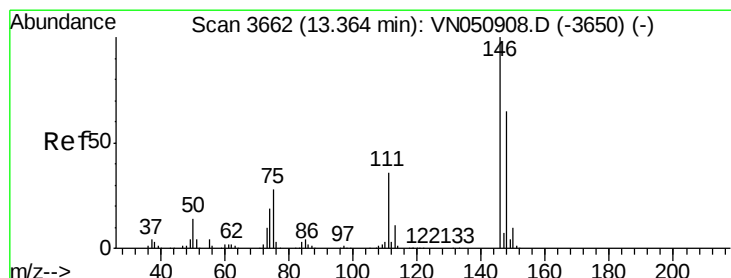
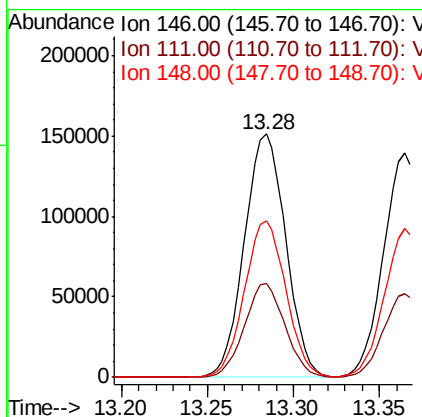
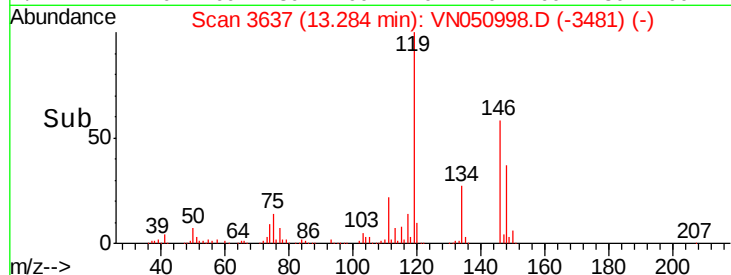
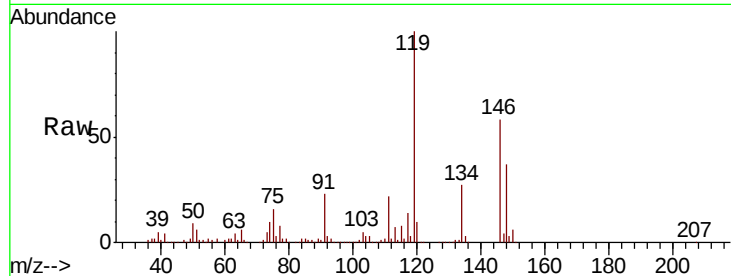
ClientSampleId :

VN0831WBS02

Tot Ion:	146	Resp:	253056
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.6	55.6
148	64.0	31.8	95.3

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#84

1,4-Dichlorobenzene

Concen: 17.84 ug/l

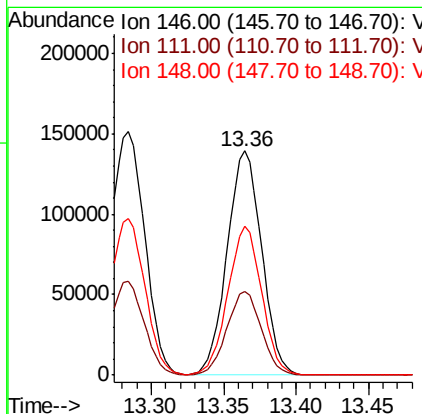
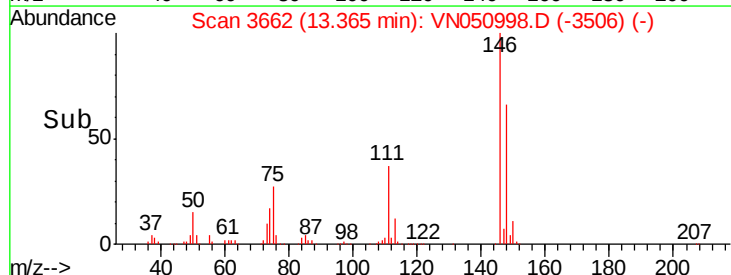
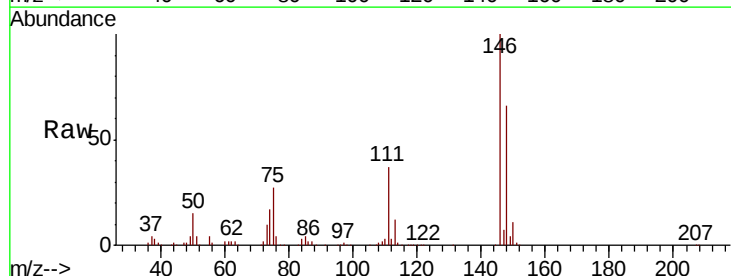
RT: 13.36 min Scan# 3662

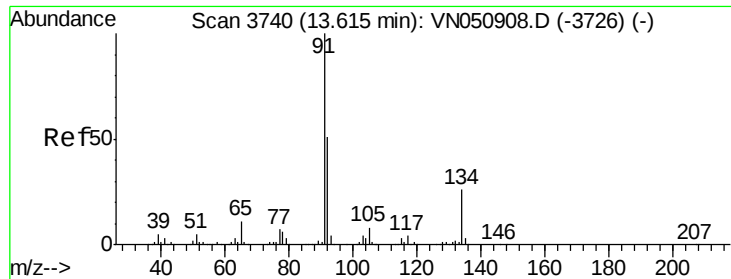
Delta R.T. 0.00 min

Lab File: VN050998.D

Acq: 31 Aug 2018 19:45

Tgt Ion:	146	Resp:	230460
Ion Ratio	Lower	Upper	
146	100		
111	37.0	17.7	53.1
148	64.9	31.6	94.8





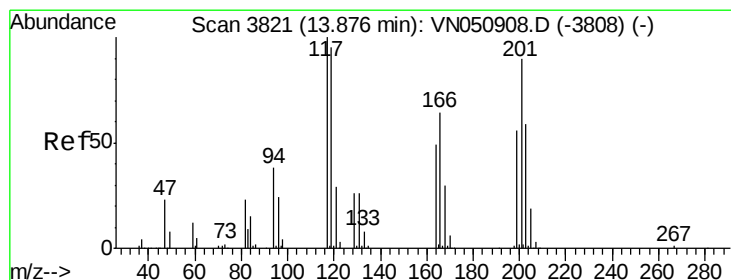
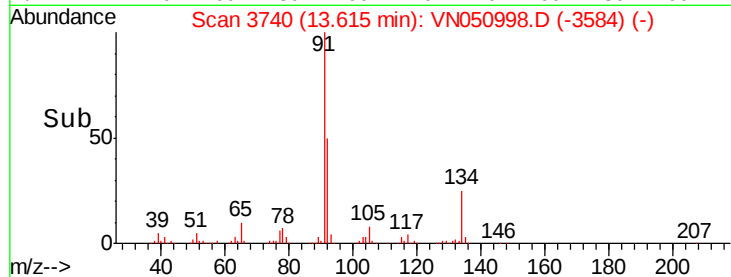
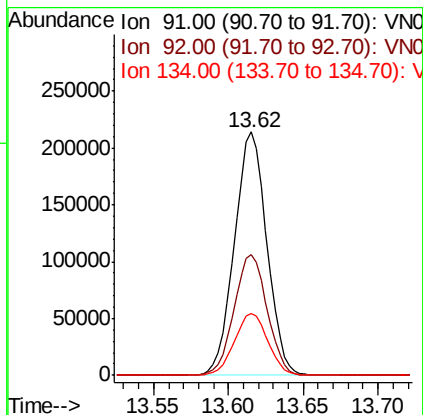
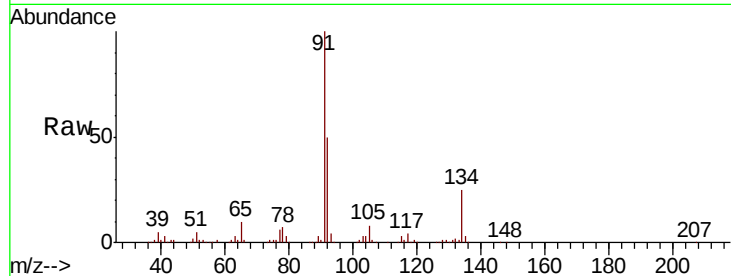
#85
n-Butylbenzene
Concen: 17.26 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	50.3	0.0	101.8	
134	26.1	0.0	52.2	

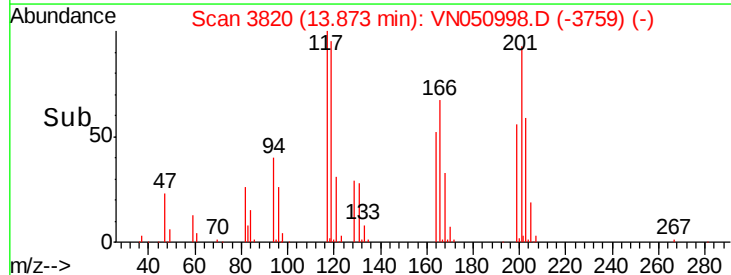
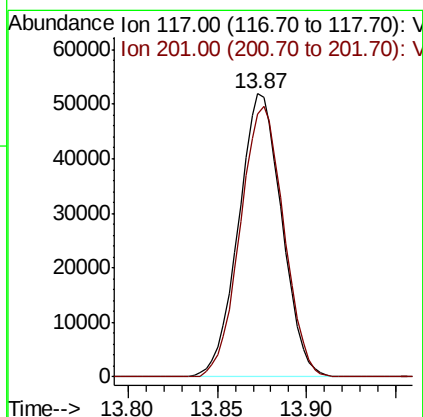
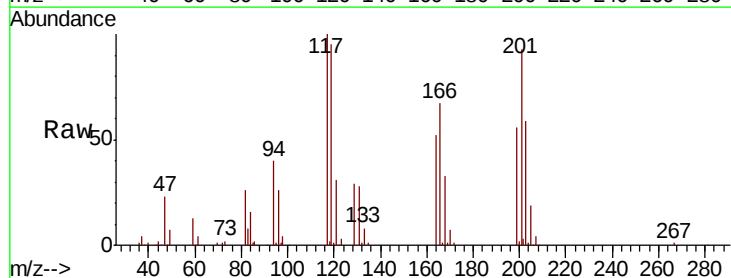
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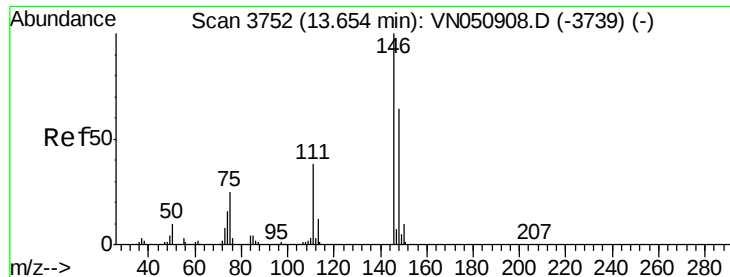
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#86
Hexachloroethane
Concen: 18.67 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	96.0	45.8	137.4	





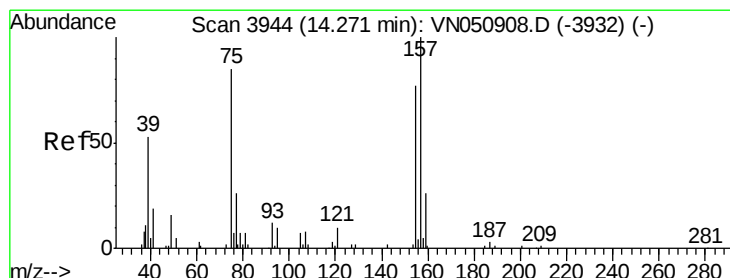
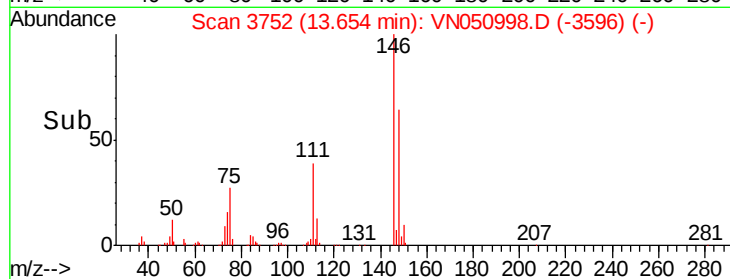
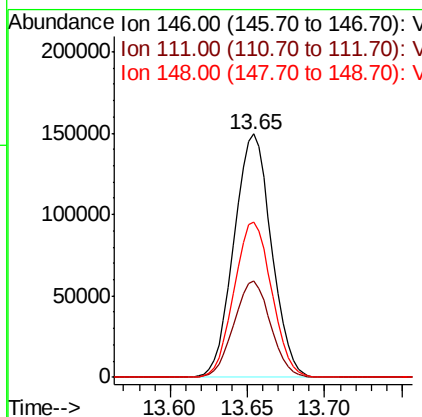
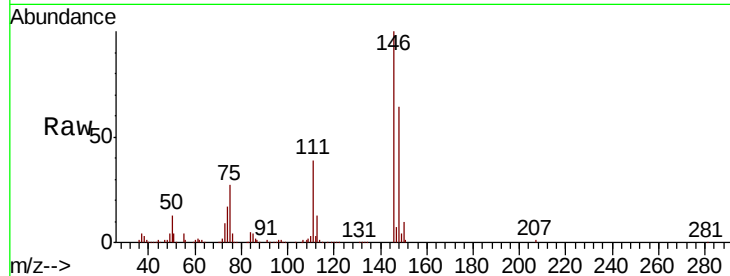
#87
 1,2-Dichlorobenzene
 Concen: 18.70 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.1
148	64.0	31.9	95.9

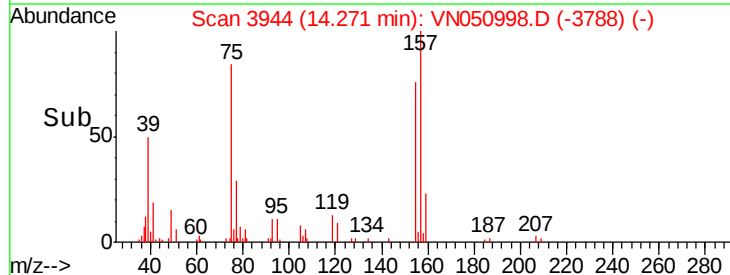
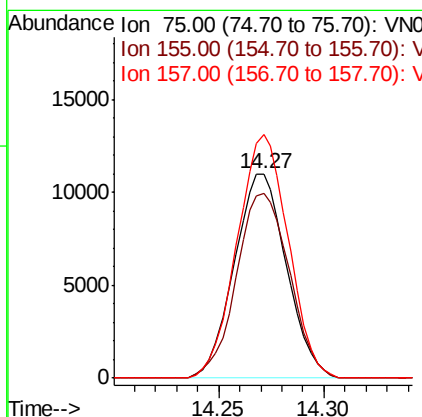
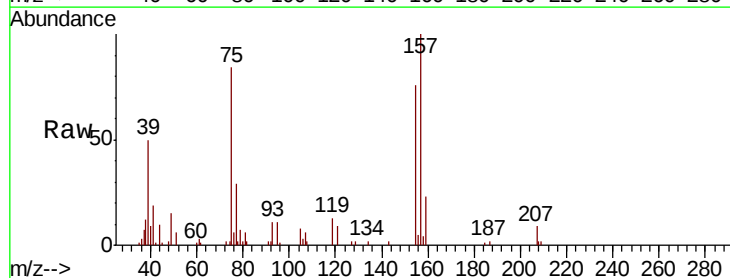
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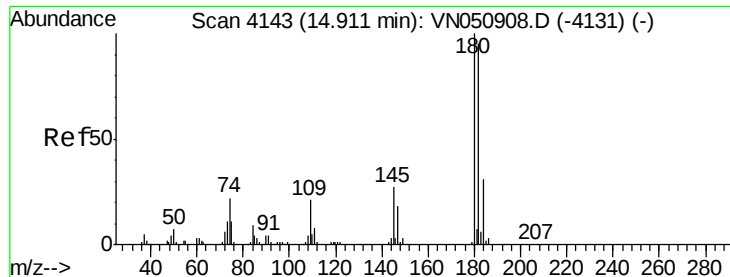
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.27 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	71.8	107.6
157	117.0	91.1	136.7





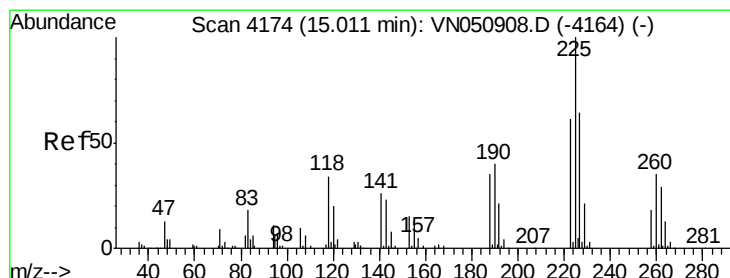
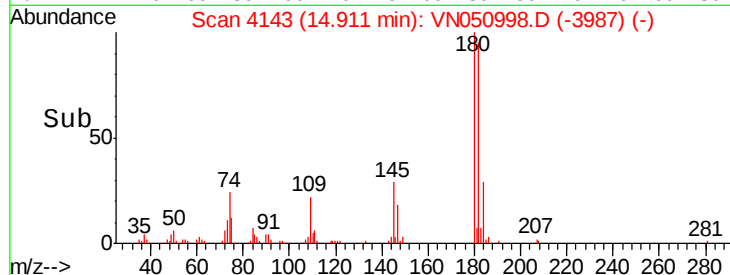
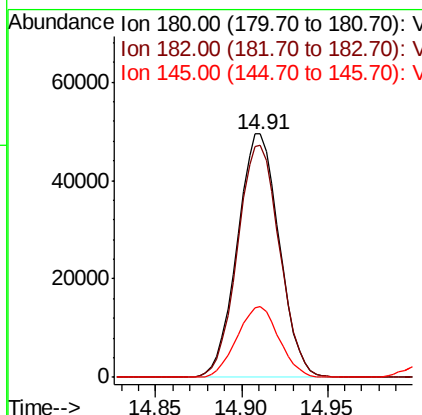
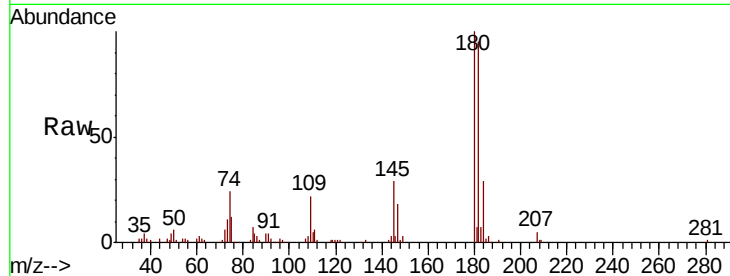
#89
 1,2,4-Trichlorobenzene
 Concen: 14.05 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.4
145	29.1	22.2	33.4

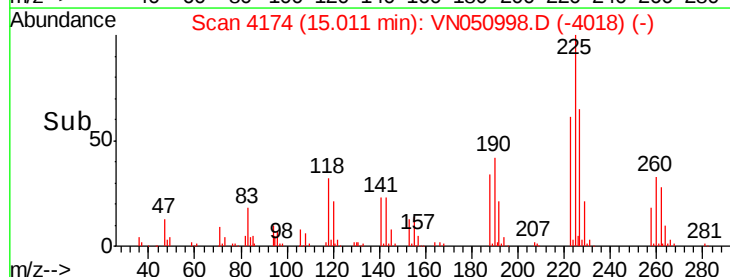
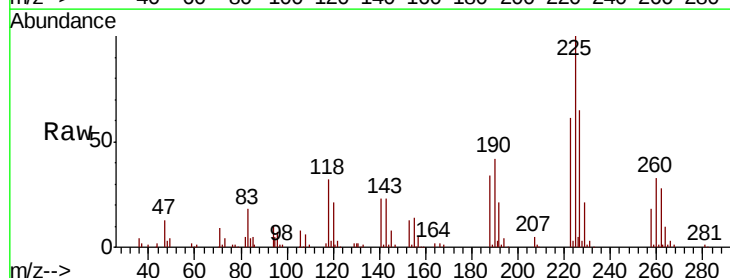
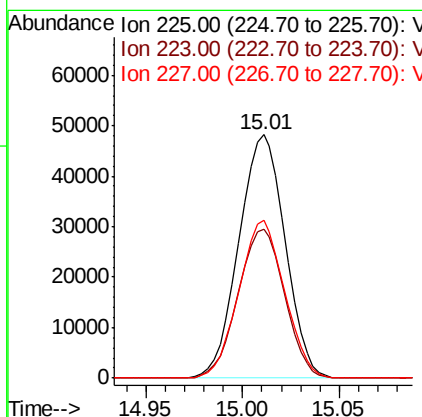
Manual Integrations
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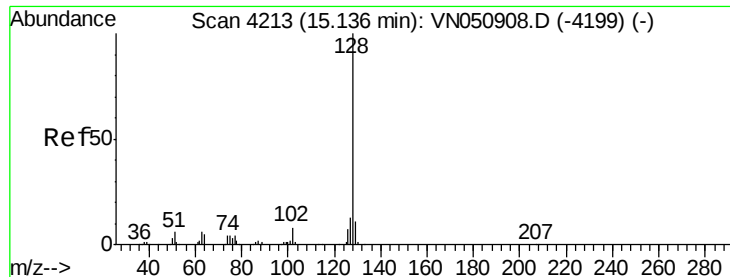
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#90
 Hexachlorobutadiene
 Concen: 19.77 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050998.D
 Acq: 31 Aug 2018 19:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	0.0	127.8
227	64.0	0.0	128.4





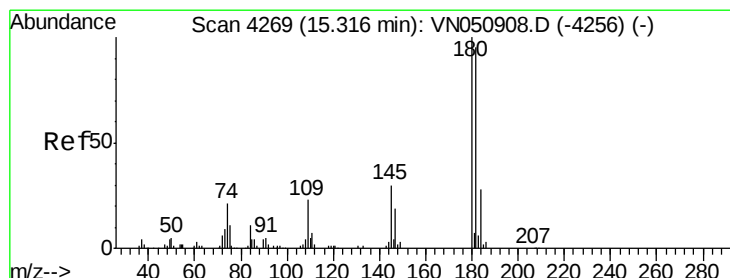
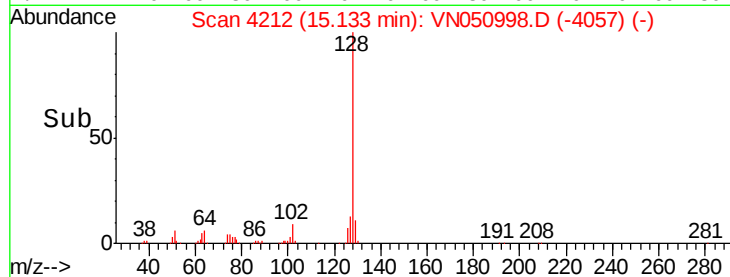
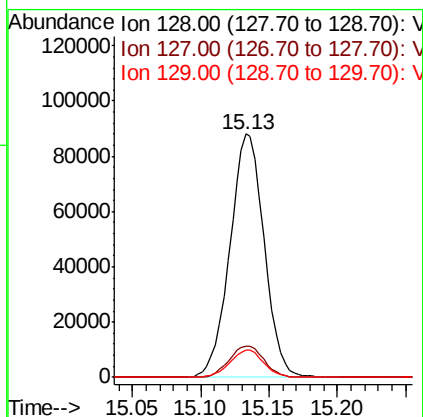
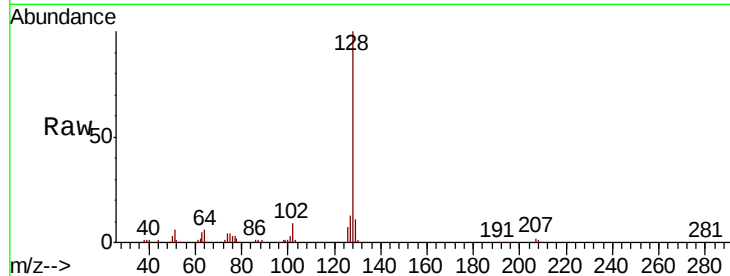
#91
Naphthalene
Concen: 16.79 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		153352		
127	13.0		10.6	16.0	
129	11.0		8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
9/4/2018 12:28:17 PM



#92
1,2,3-Trichlorobenzene
Concen: 15.24 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050998.D
Acq: 31 Aug 2018 19:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		91352		
182	94.4		0.0	192.8	
145	29.2		0.0	60.0	

