

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050501.D
 Acq On : 9 Aug 2018 22:27
 Operator : MD\SY
 Sample : VN0809WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0809WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/10/2018 10:53:07 AM

Quant Time: Aug 10 07:46:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	138860	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	723753	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	636428	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	272481	28.87	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.23%
60) 4-Bromofluorobenzene	12.40	95	284311	29.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.93%
63) Toluene-d8	10.09	98	905237	29.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.27%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	140745	14.71	ug/l	96
3) Chloromethane	2.06	50	170258	17.26	ug/l	100
4) Vinyl Chloride	2.18	62	186756	17.78	ug/l	98
5) Bromomethane	2.57	94	106790	16.68	ug/l	96
6) Chloroethane	2.70	64	113966	18.35	ug/l	99
7) Trichlorofluoromethane	3.01	101	255942	18.65	ug/l	99
8) Diethyl Ether	3.41	74	87511	19.01	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	159637	19.12	ug/l	100
10) 1,1-Dichloroethene	3.74	96	141452	19.11	ug/l	92
11) Methyl Iodide	3.95	142	70304	6.45	ug/l	97
12) Methyl Acetate	4.33	43	133456	15.74	ug/l	98
13) Acrolein	3.61	56	41708	79.58	ug/l	98
14) Acrylonitrile	5.00	53	248969	87.98	ug/l	99
15) Acetone	3.82	58	75657	100.60	ug/l	97
16) Carbon Disulfide	4.05	76	408655	18.04	ug/l	100
17) Allyl chloride	4.33	41	206028	17.62	ug/l	97
18) Methylene Chloride	4.55	84	166182	19.45	ug/l	99
19) trans-1,2-Dichloroethene	5.05	96	151657	19.13	ug/l	95
20) Diisopropyl ether	5.96	45	481483	20.08	ug/l	98
21) 1,1-Dichloroethane	5.85	63	290403	19.26	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	173688	19.76	ug/l	97
23) tert-Butyl Alcohol	4.79	59	51358	81.22	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	387803	19.21	ug/l	99
25) Chloroform	7.37	83	300734	19.71	ug/l	100
26) Cyclohexane	7.66	56	225358	18.81	ug/l #	98
29) 1,1-Dichloropropene	7.80	75	213420	19.00	ug/l	99
30) 2-Butanone	6.84	43	359292	101.94	ug/l	98
31) 2,2-Dichloropropane	6.83	77	199236	16.05	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	252840	19.12	ug/l	99
33) Carbon Tetrachloride	7.78	117	222678	18.89	ug/l	97
34) Benzene	8.04	78	665327	19.50	ug/l	99
35) Methacrylonitrile	7.18	41	55082	13.73	ug/l	100
36) 1,2-Dichloroethane	8.13	62	210657	18.81	ug/l	100
37) Trichloroethene	8.84	130	173517	19.39	ug/l	99
38) Methylcyclohexane	9.09	83	211714	17.88	ug/l	99
39) 1,2-Dichloropropane	9.12	63	173986	19.36	ug/l	99
40) Dibromomethane	9.21	93	103510	18.64	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
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Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	223298	19.06	ug/l	96
42) Vinyl Acetate	5.90	43	1535924	92.60	ug/l	99
43) Ethyl Acetate	6.94	43	136501	18.55	ug/l #	92
44) Isopropyl Acetate	8.17	43	237856	17.45	ug/l #	81
45) 1,4-Dioxane	9.20	88	31436	350.39	ug/l	95
46) Methyl methacrylate	9.20	41	114900	17.38	ug/l	97
47) n-amyl Acetate	12.07	43	181741	17.13	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	200855	17.99	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	241967	18.44	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	150730	18.91	ug/l	97
51) Ethyl methacrylate	10.43	69	173813	17.96	ug/l	97
52) 1,3-Dichloropropane	10.71	76	249516	19.06	ug/l	99
53) Dibromochloromethane	10.90	129	165451	18.29	ug/l	99
54) 1,2-Dibromoethane	11.01	107	143506	18.38	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	426624	97.42	ug/l	100
56) Bromoform	12.13	173	108779	17.03	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	823253	111.17	ug/l	99
59) 2-Hexanone	10.75	43	520414	103.01	ug/l	99
61) Tetrachloroethene	10.63	164	167028	19.38	ug/l	97
62) Toluene	10.16	91	704142	19.39	ug/l	100
64) Chlorobenzene	11.44	112	427681	19.42	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	167430	19.50	ug/l	99
66) Ethyl Benzene	11.51	91	702233	18.92	ug/l	100
67) m/p-Xylenes	11.62	106	554128	38.80	ug/l	99
68) o-Xylene	11.95	106	262663	19.33	ug/l	98
69) Styrene	11.97	104	424300	19.48	ug/l	100
70) Isopropylbenzene	12.25	105	689983	19.07	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	181366	18.26	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	143481m	16.91	ug/l	
73) Bromobenzene	12.53	156	181741	18.85	ug/l	99
74) n-propylbenzene	12.59	91	775136	18.39	ug/l	100
75) 2-Chlorotoluene	12.68	91	483309	19.09	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	570855	19.21	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	38003	13.70	ug/l	90
78) 4-Chlorotoluene	12.77	91	480890	19.17	ug/l	100
79) tert-butylbenzene	12.99	119	481687	18.96	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	582435	19.34	ug/l	100
81) sec-Butylbenzene	13.17	105	632865	18.33	ug/l	100
82) p-Isopropyltoluene	13.29	119	539995	18.33	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	315431	18.79	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	296012	18.66	ug/l	99
85) n-Butylbenzene	13.62	91	402419	16.84	ug/l	99
86) Hexachloroethane	13.88	117	93339	15.86	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	307681	18.75	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25710	16.61	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	136646	17.44	ug/l	100
90) Hexachlorobutadiene	15.01	225	91829	17.77	ug/l	97
91) Naphthalene	15.14	128	278721	18.99	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	139399	17.49	ug/l	99

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS02

Manual Integrations
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QLast Update : Thu Jul 26 15:21:50 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

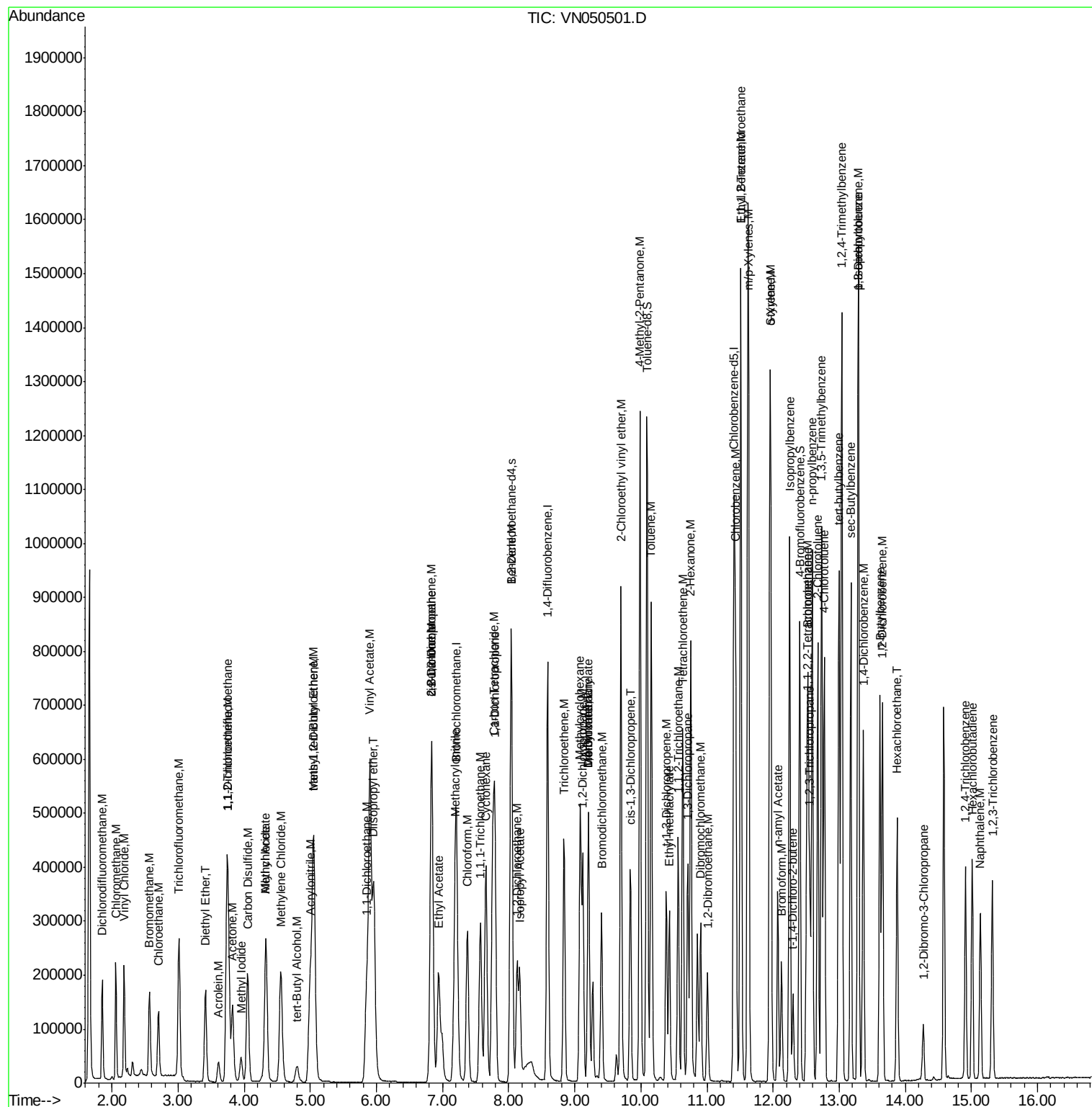
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050501.D
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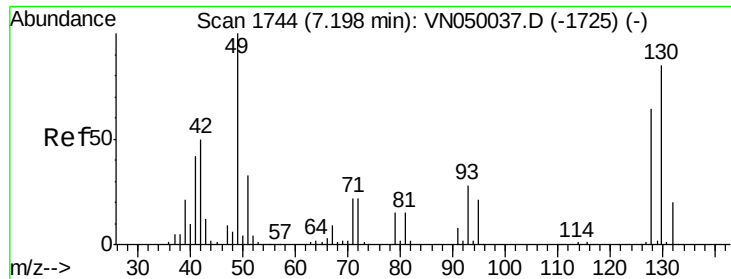
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS02

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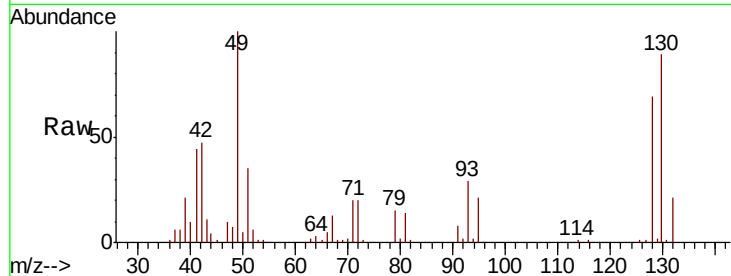
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.20 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	138860		
49	146.4	0.0	378.3	
130	128.4	0.0	320.7	

Manual Integrations
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8/10/2018 10:53:07 AM

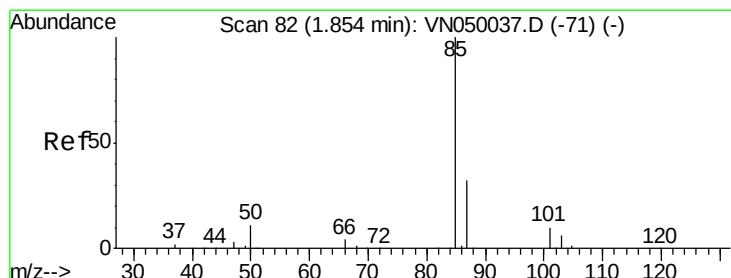
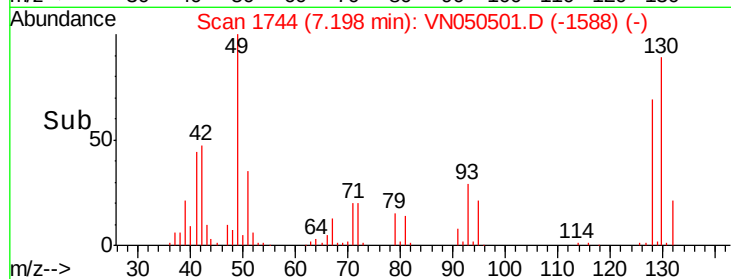
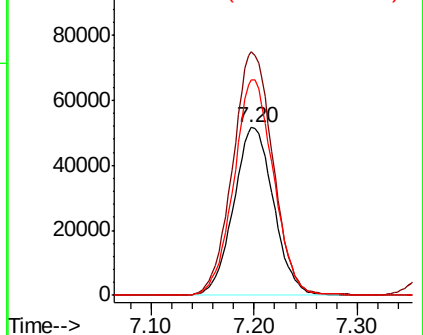


Abundance

Ion 128.00 (127.70 to 128.70): V

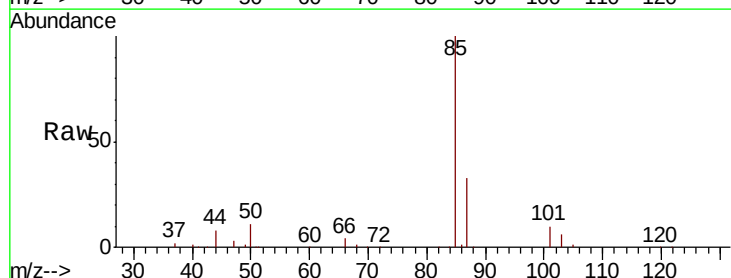
Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



#2
Dichlorodifluoromethane
Concen: 14.71 ug/l
RT: 1.85 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

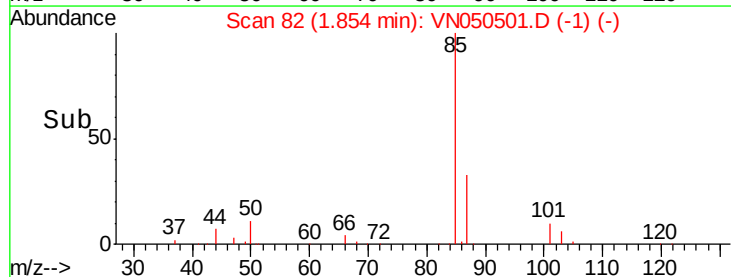
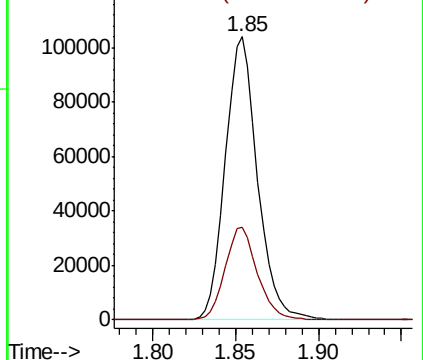
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	140745		
87	32.9	15.4	46.4	

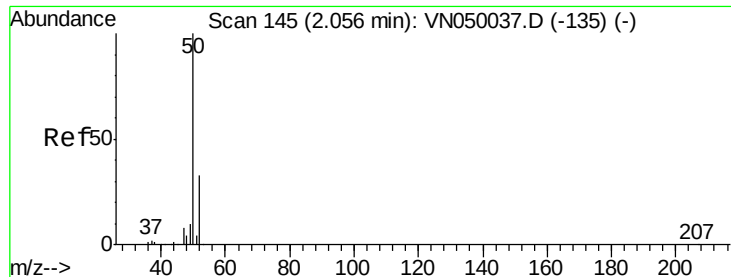


Abundance

Ion 85.00 (84.70 to 85.70): V

Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 17.26 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Instrument :

MSVOA_N

ClientSampled :

VN0809WBS02

Tot Ion: 50 Resp: 170258

Ion Ratio Lower Upper

50 100

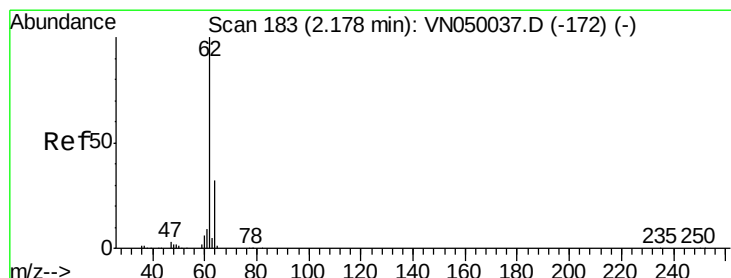
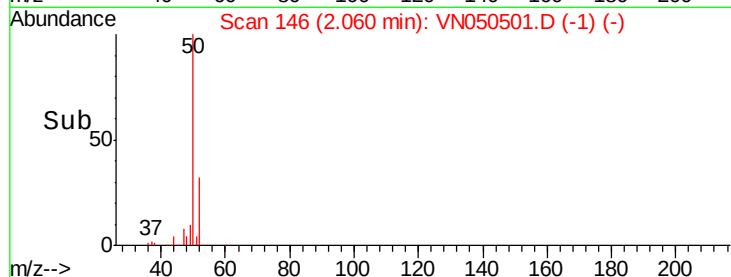
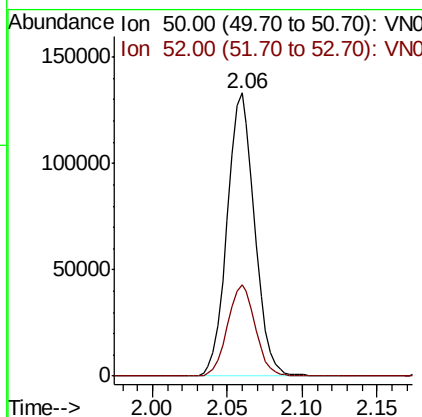
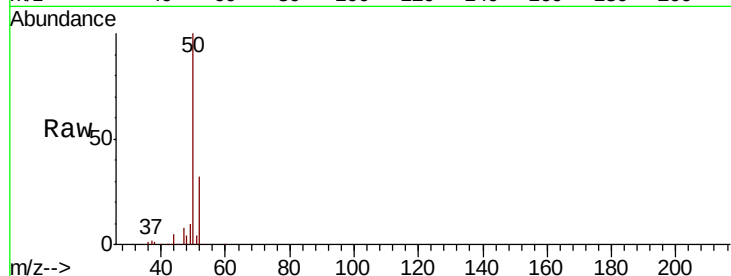
52 32.4 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.78 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.01 min

Lab File: VN050501.D

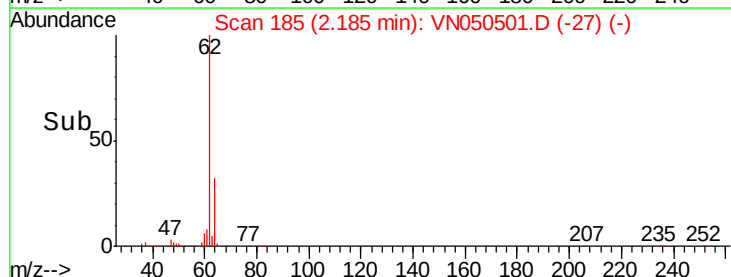
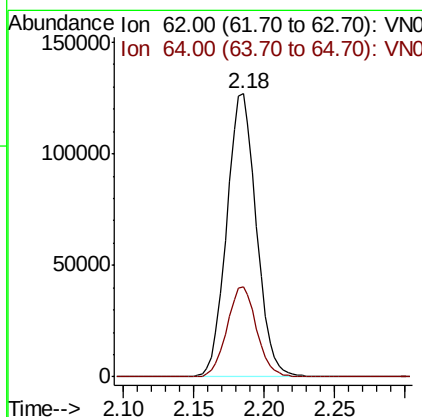
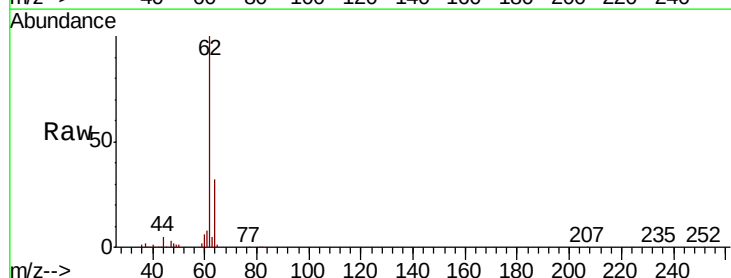
Acq: 9 Aug 2018 22:27

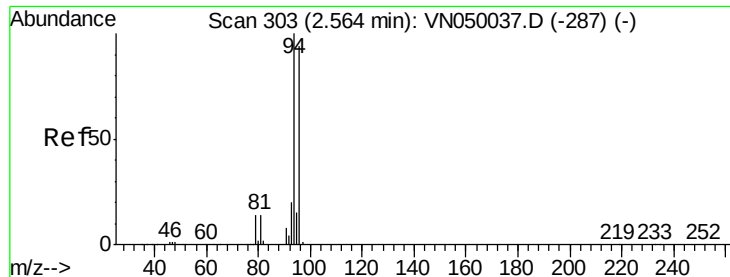
Tgt Ion: 62 Resp: 186756

Ion Ratio Lower Upper

62 100

64 31.7 24.4 36.6





#5

Bromomethane

Concen: 16.68 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS02

Tot Ion: 94 Resp: 106790

Ion Ratio Lower Upper

94 100

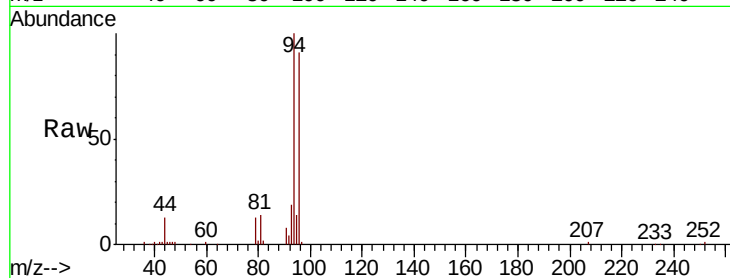
96 90.7 75.9 113.9

Manual Integrations

APPROVED

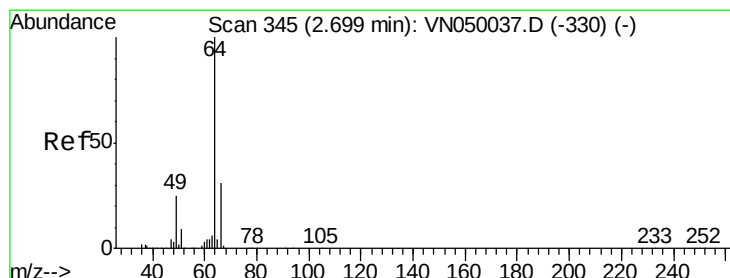
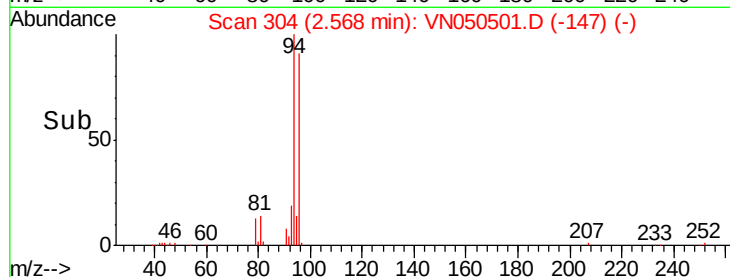
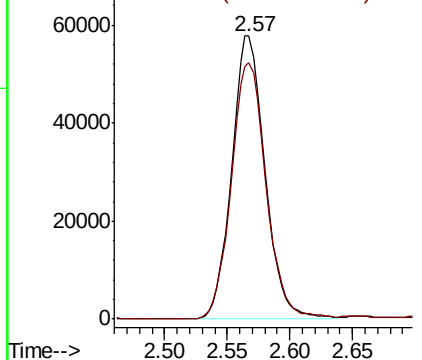
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.35 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050501.D

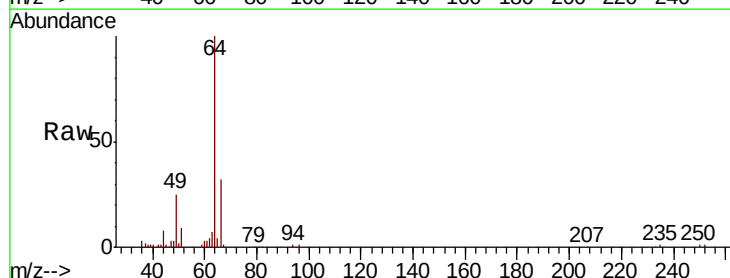
Acq: 9 Aug 2018 22:27

Tgt Ion: 64 Resp: 113966

Ion Ratio Lower Upper

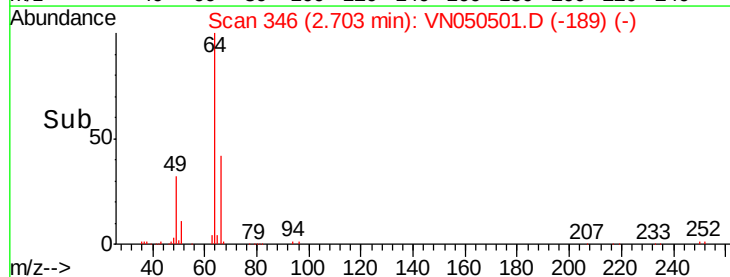
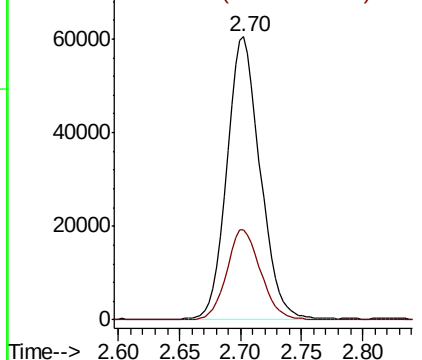
64 100

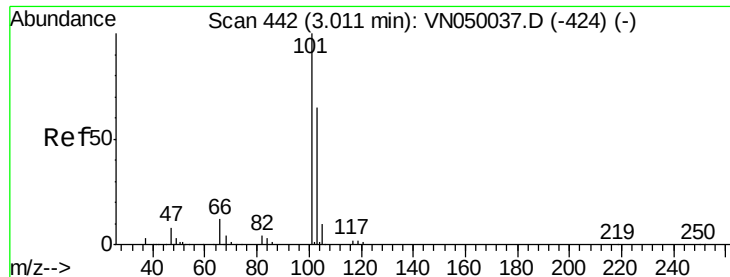
66 31.9 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

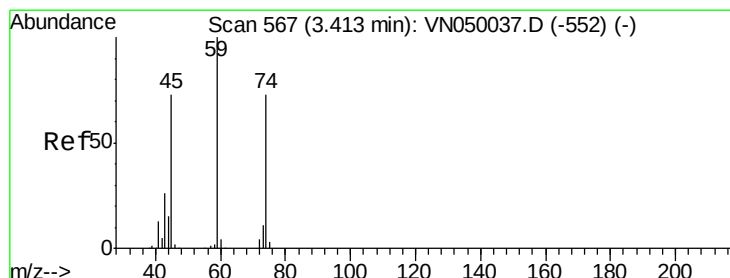
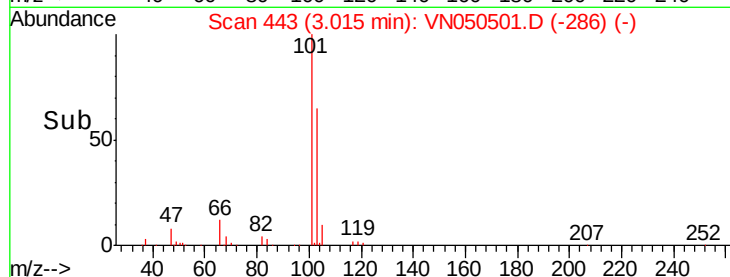
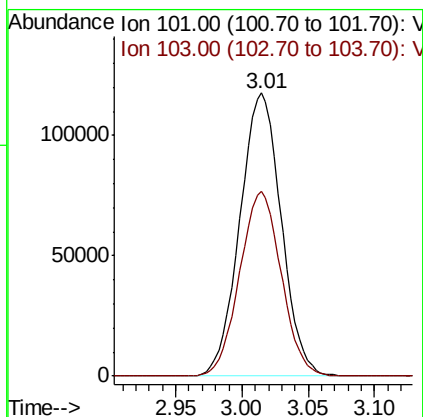
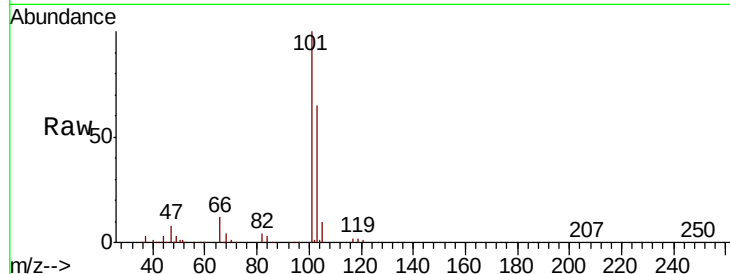
Trichlorofluoromethane
 Concen: 18.65 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.5	77.3

Manual Integrations
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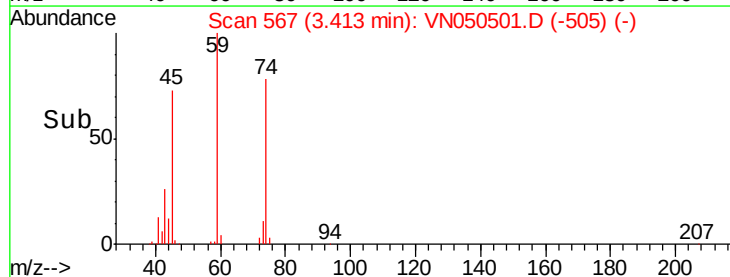
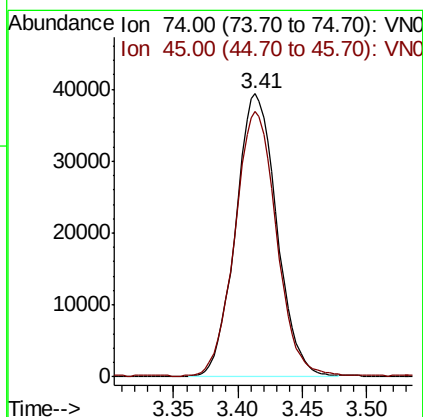
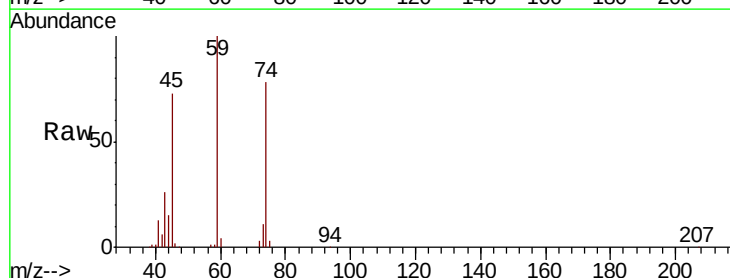
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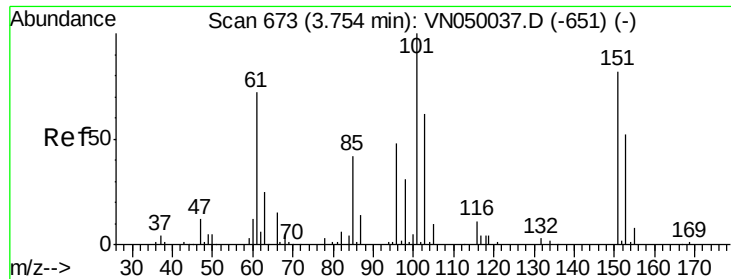


#8

Diethyl Ether
 Concen: 19.01 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	18.7	167.9





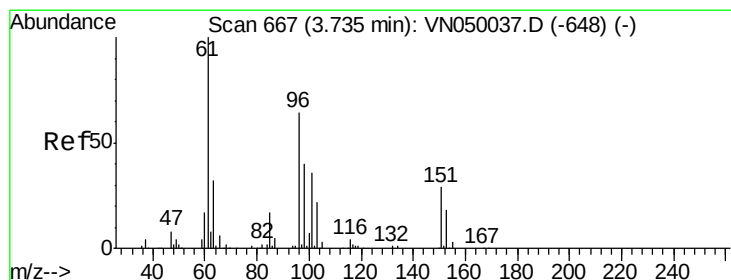
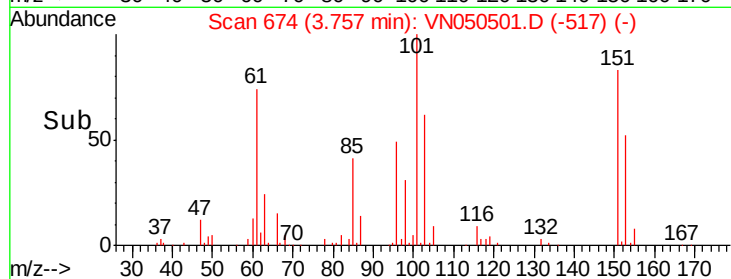
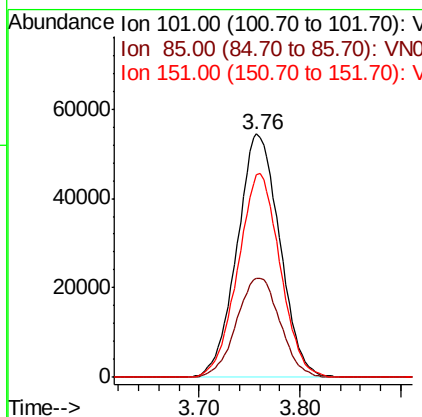
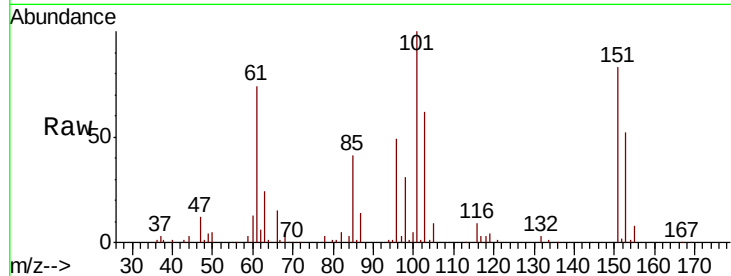
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.12 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	159637		
85	41.7	0.0	83.0	
151	82.8	0.0	166.8	

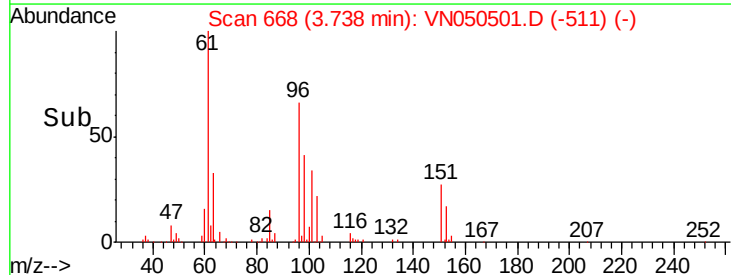
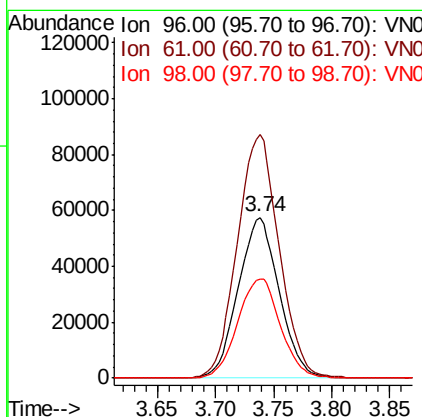
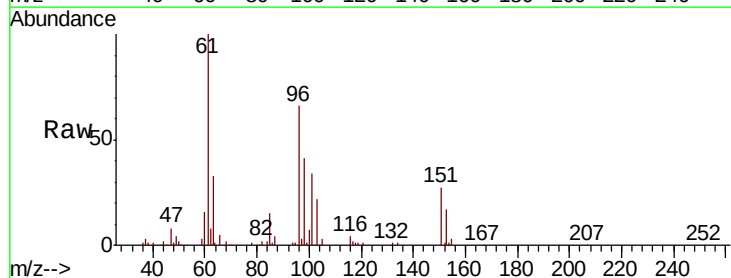
Manual Integrations
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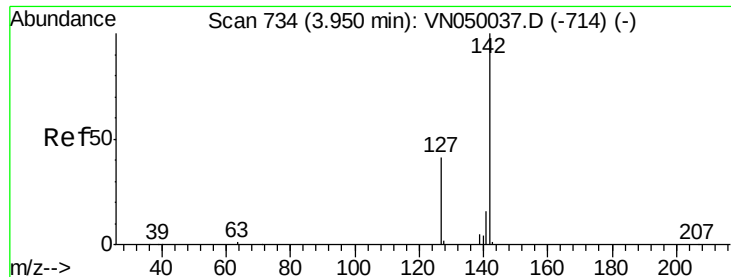
MMDadoda
 8/10/2018 10:53:07 AM



#10
 1,1-Dichloroethene
 Concen: 19.11 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	141452		
61	151.1	130.6	195.8	
98	61.8	53.5	80.3	





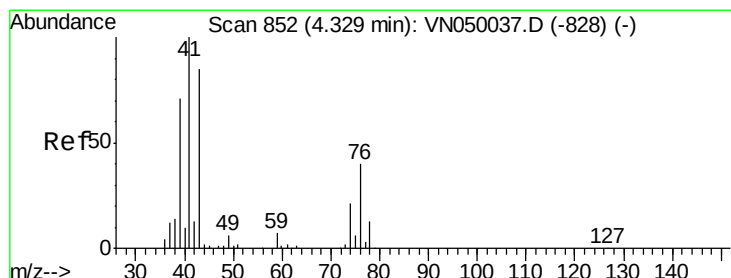
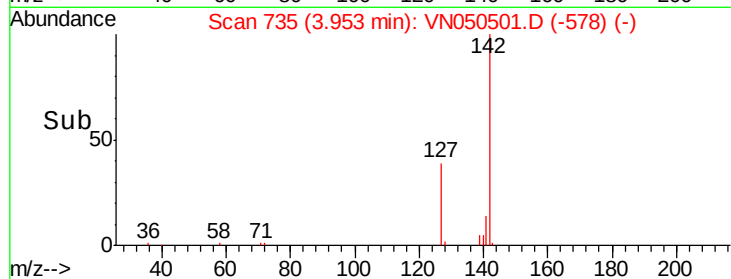
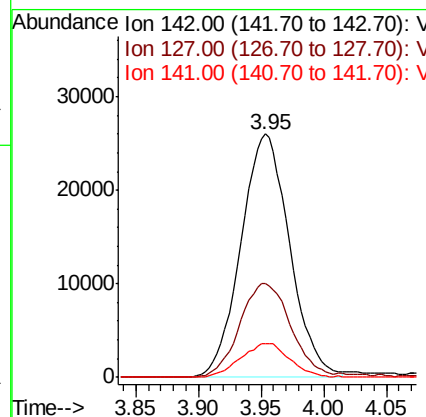
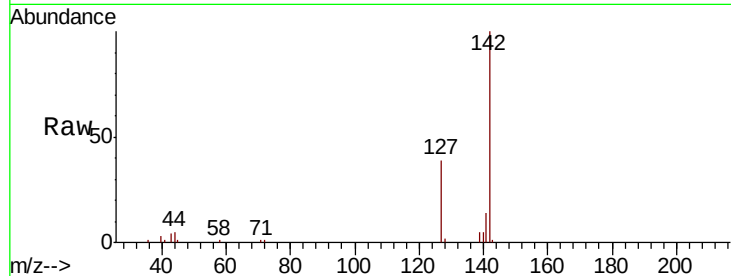
#11
Methyl Iodide
Concen: 6.45 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS02

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.3	20.2	60.5
141	14.2	6.9	20.6

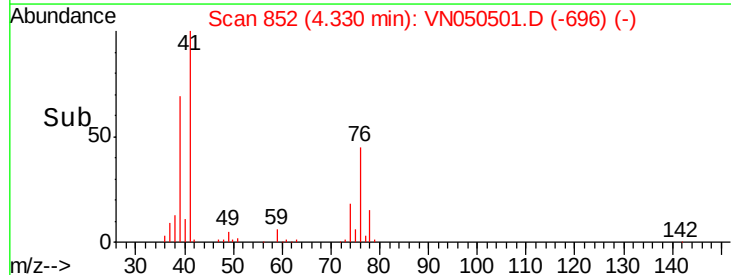
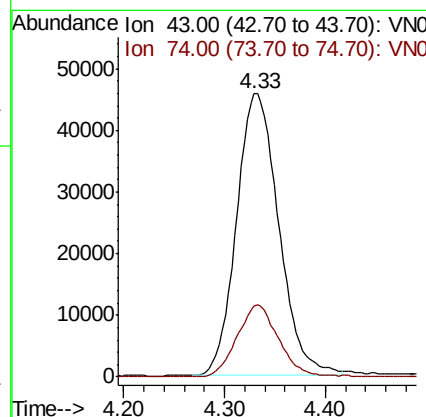
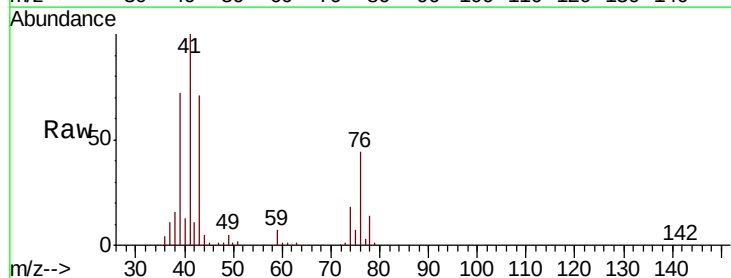
Manual Integrations
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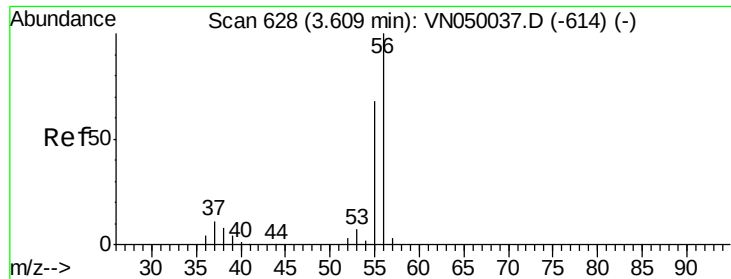
MMDadoda
8/10/2018 10:53:07 AM



#12
Methyl Acetate
Concen: 15.74 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.3	28.9





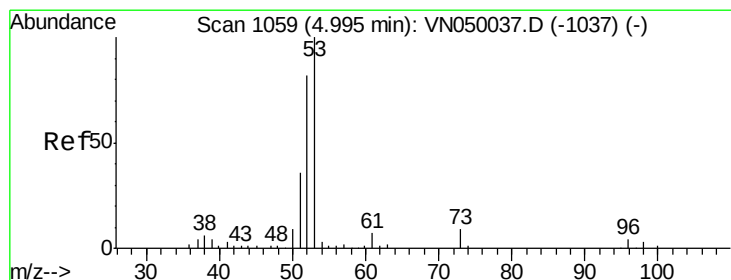
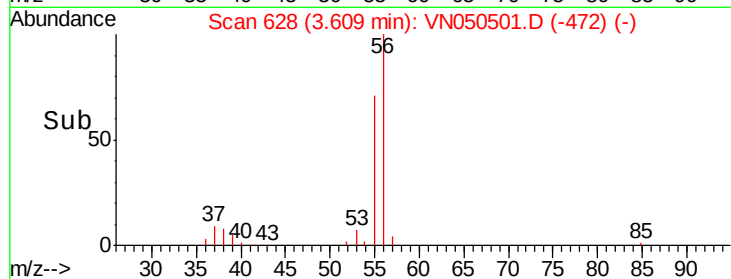
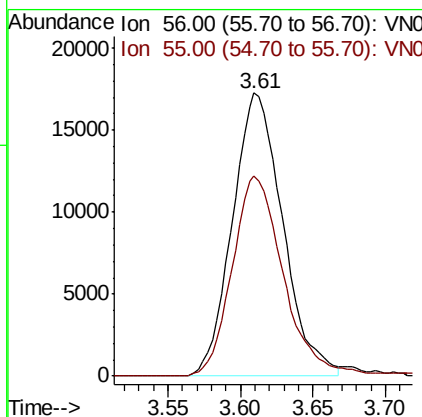
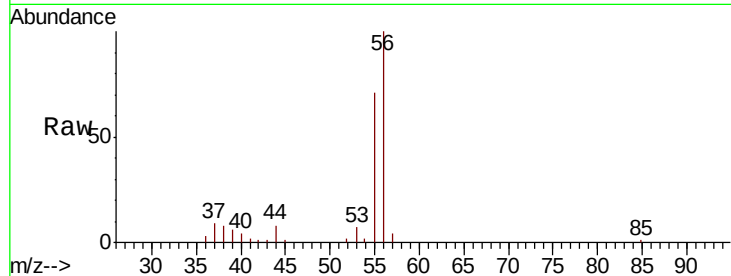
#13
Acrolein
Concen: 79.58 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS02

Tot Ion	56	55	Resp	Lower	Upper
41708	100	71.6		58.6	88.0

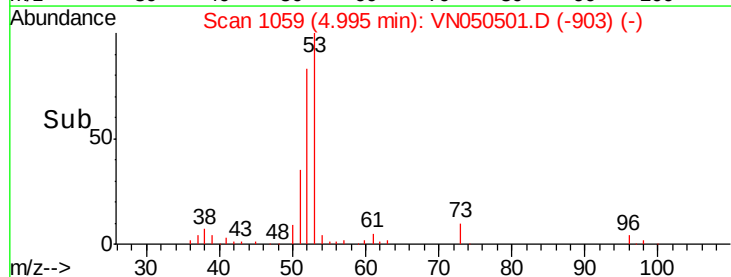
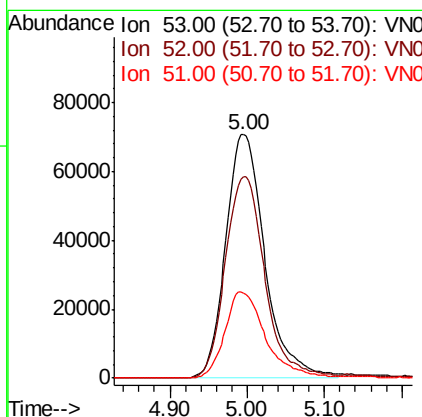
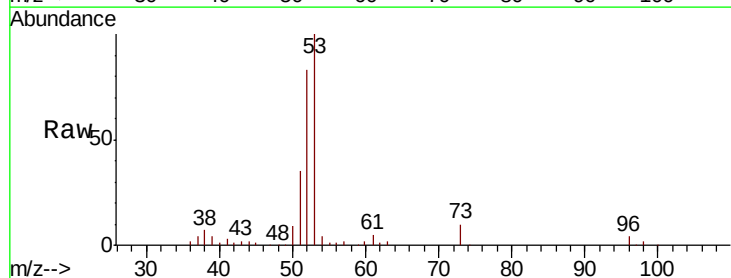
Manual Integrations
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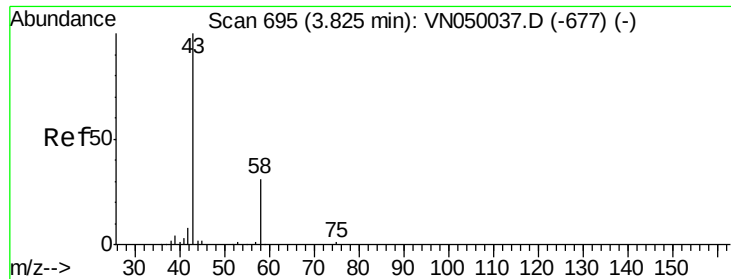
MMDadoda
8/10/2018 10:53:07 AM



#14
Acrylonitrile
Concen: 87.98 ug/l
RT: 5.00 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion	53	52	51	Resp	Lower	Upper
248969	100	83.7	36.7		41.5	124.5
					18.7	56.1





#15

Acetone

Concen: 100.60 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS02

Tot Ion: 58 Resp: 75657

Ion Ratio Lower Upper

58 100

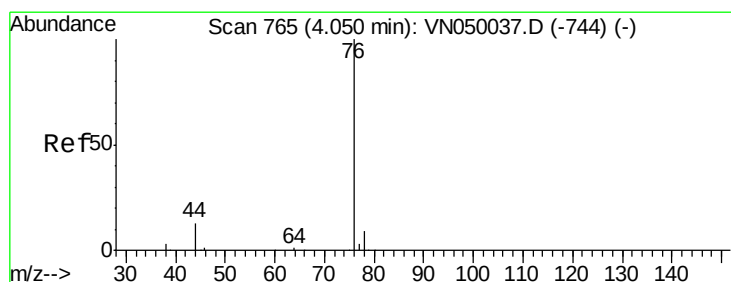
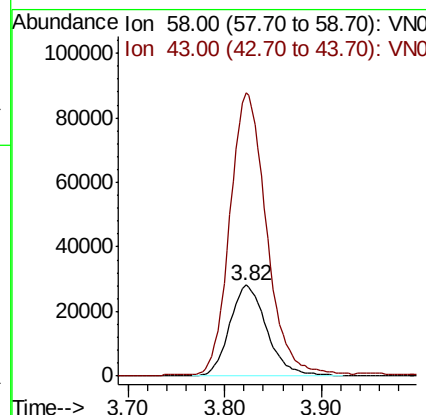
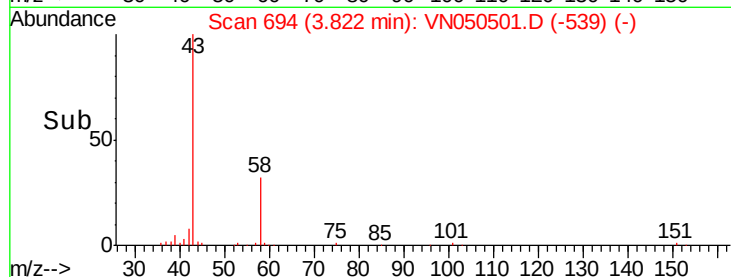
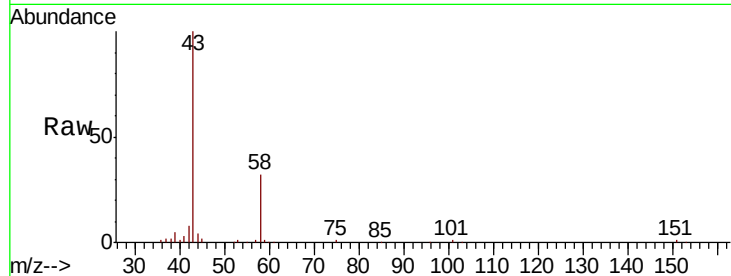
43 308.2 252.0 378.0

Manual Integrations

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8/10/2018 10:53:07 AM



#16

Carbon Disulfide

Concen: 18.04 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050501.D

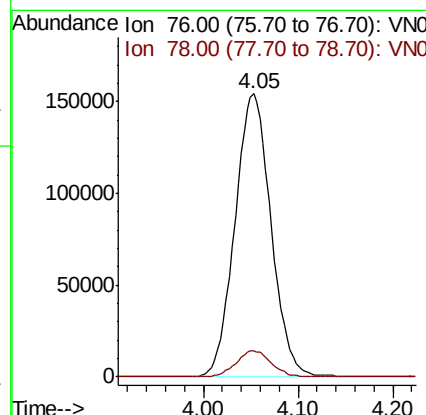
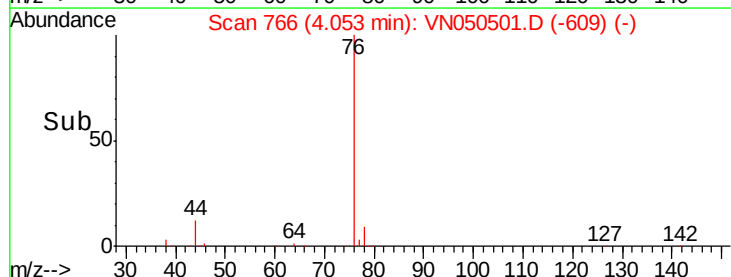
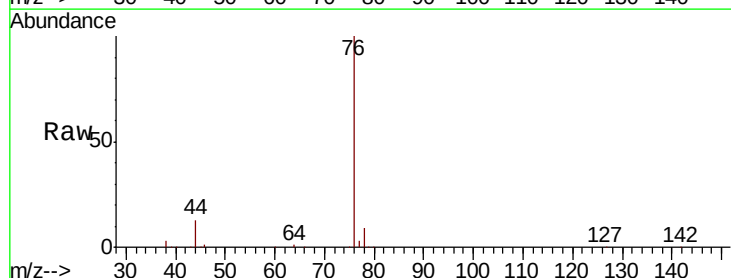
Acq: 9 Aug 2018 22:27

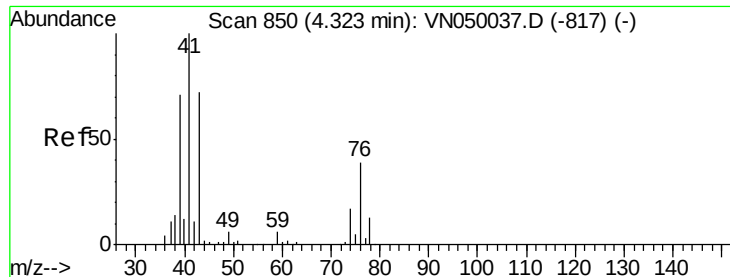
Tgt Ion: 76 Resp: 408655

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





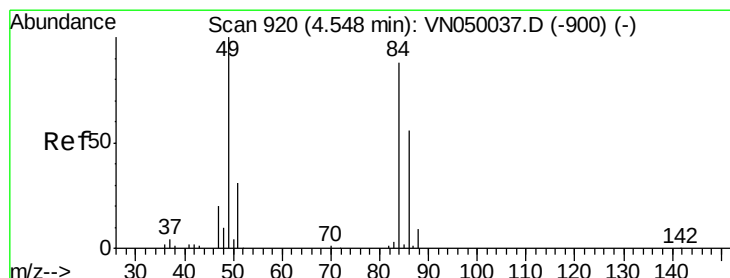
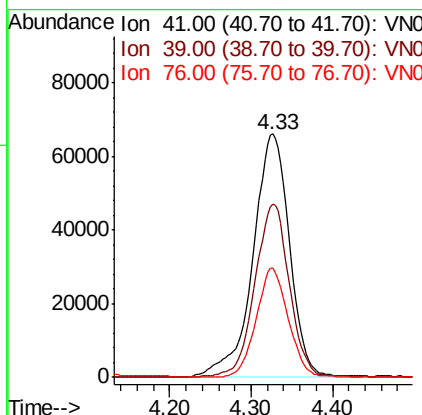
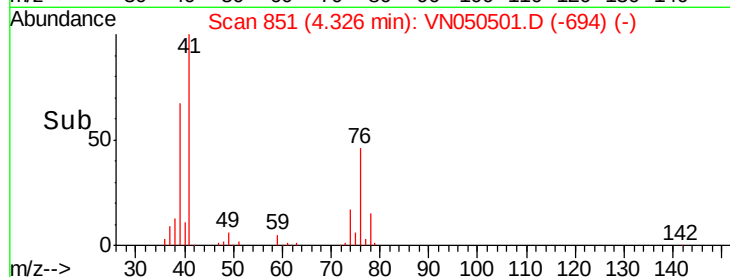
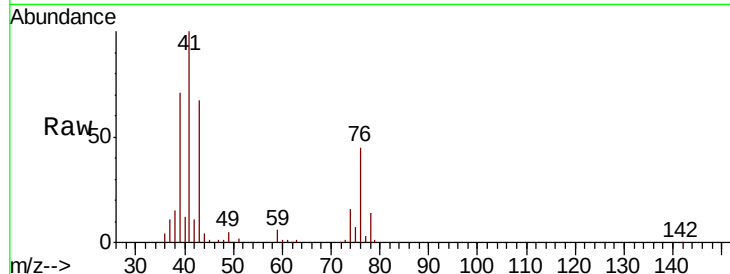
#17
Allvl chloride
Concen: 17.62 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS02

Tot Ion:	41	Resp:	206028
Ion	Ratio	Lower	Upper
41	100		
39	71.2	35.4	106.3
76	44.3	19.7	59.1

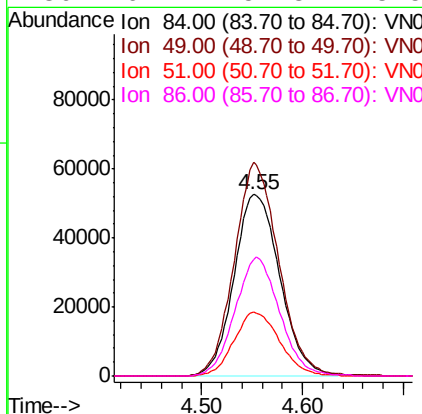
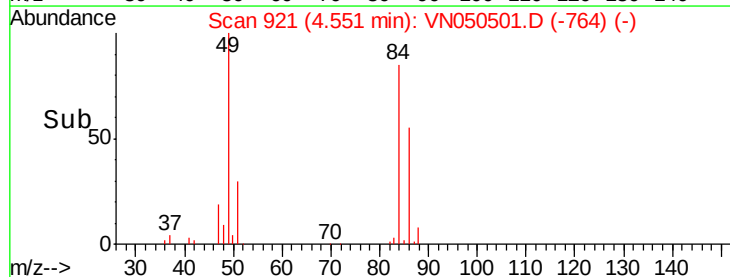
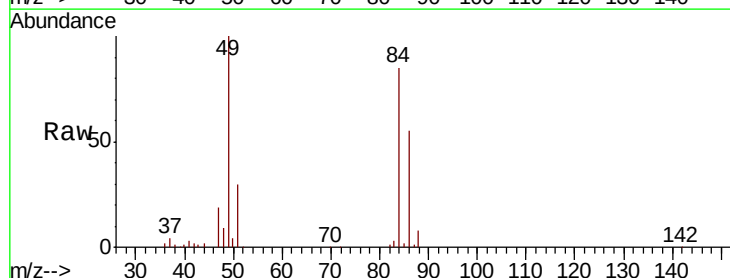
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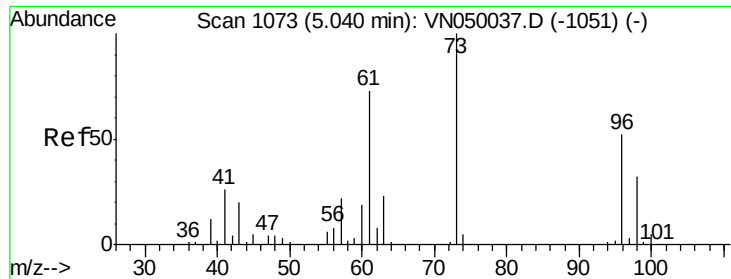
MMDadoda
8/10/2018 10:53:07 AM



#18
Methylene Chloride
Concen: 19.45 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion:	84	Resp:	166182
Ion	Ratio	Lower	Upper
84	100		
49	117.4	95.1	142.7
51	35.0	28.8	43.2
86	64.4	52.3	78.5





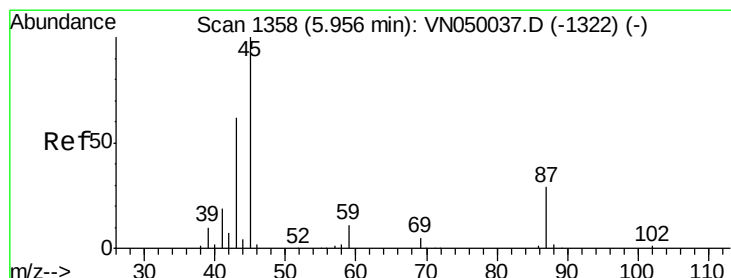
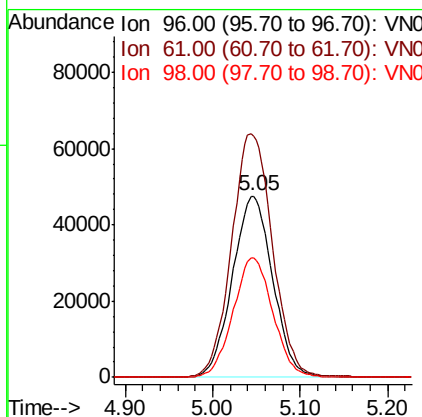
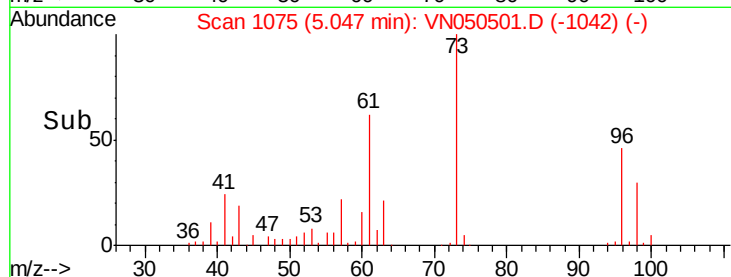
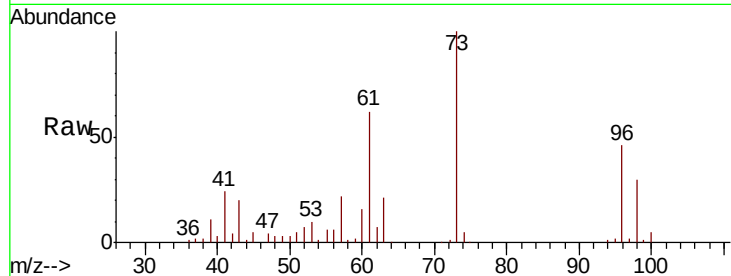
#19
trans-1,2-Dichloroethene
Concen: 19.13 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.5	112.1	168.1
98	65.7	51.3	76.9

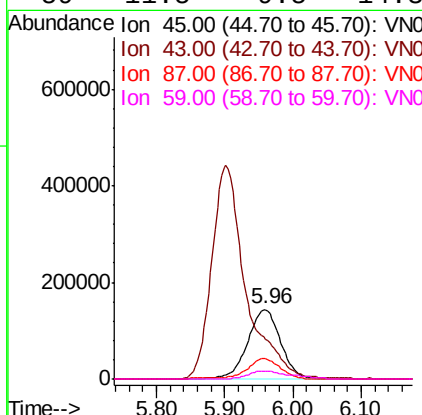
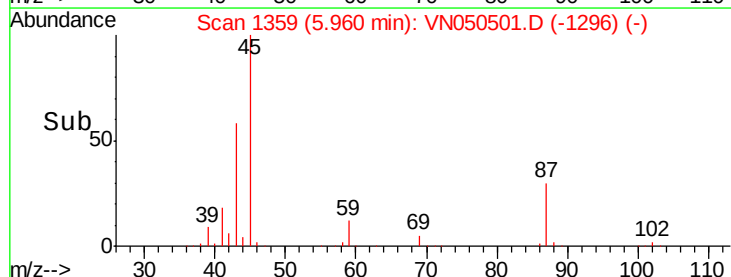
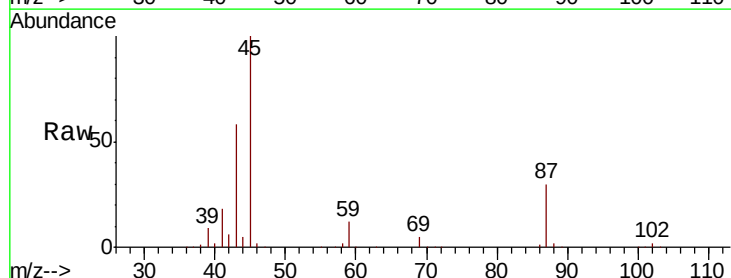
Manual Integrations
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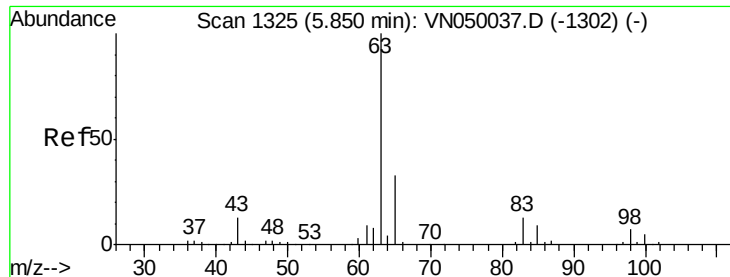
MMDadoda
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#20
Diisopropyl ether
Concen: 20.08 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.5	46.6	70.0
87	29.6	22.3	33.5
59	11.5	9.5	14.3





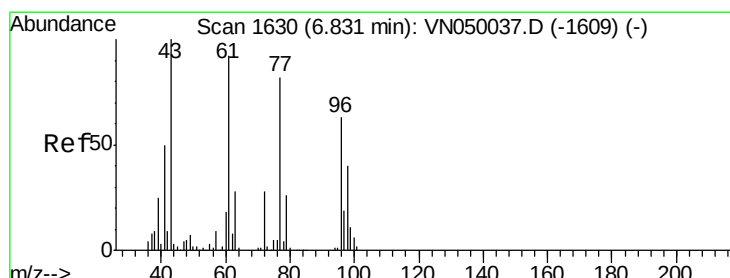
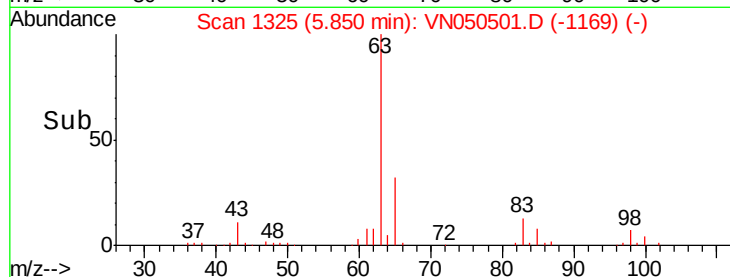
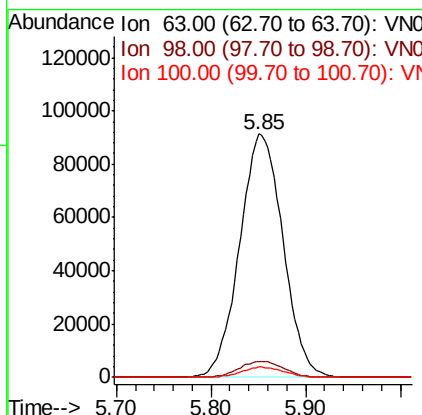
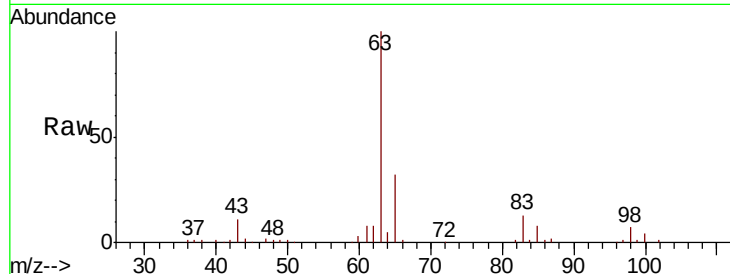
#21
 1,1-Dichloroethane
 Concen: 19.26 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS02

Tot Ion	Ratio	Resp	Lower	Upper
63	100	290403		
98	6.6		3.5	10.6
100	4.2		2.3	6.8

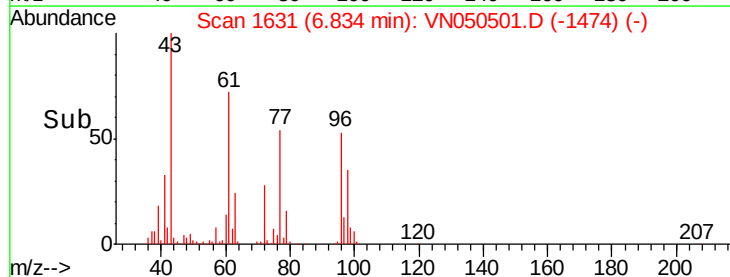
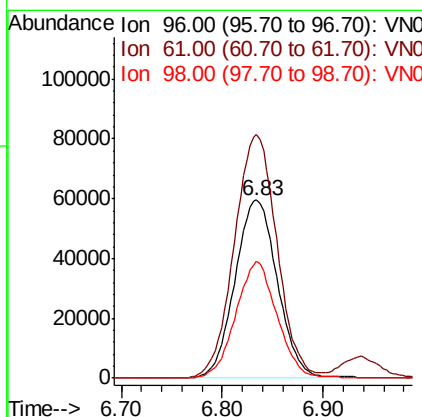
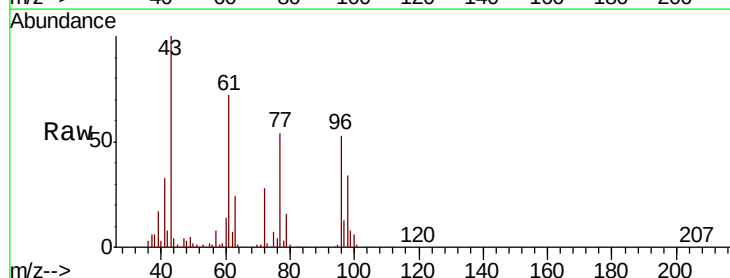
Manual Integrations
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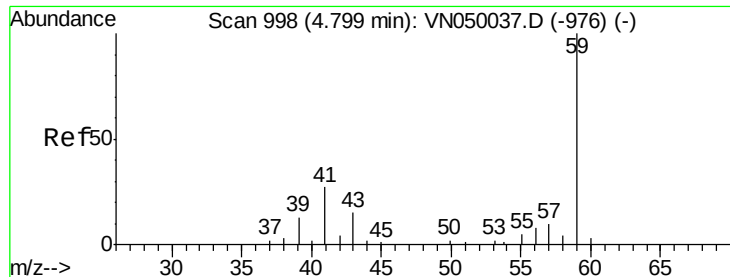
MMDadoda
 8/10/2018 10:53:07 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.76 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	173688		
61	137.5		114.2	171.2
98	63.4		51.7	77.5





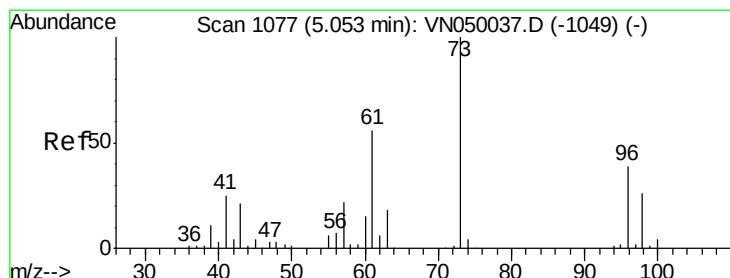
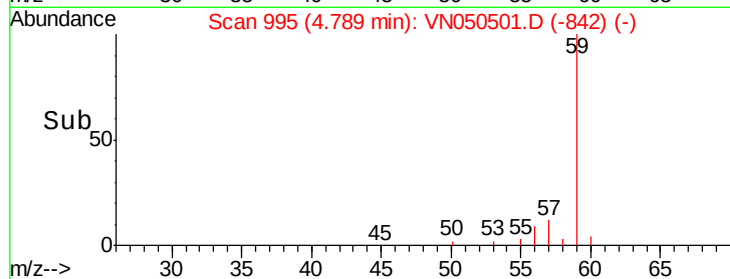
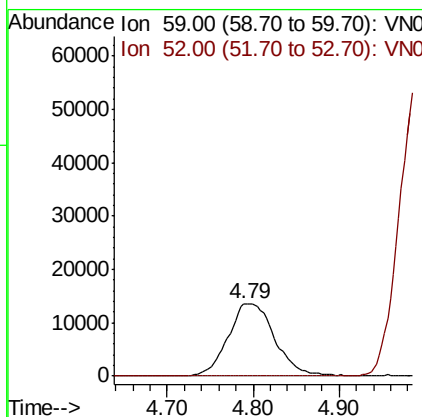
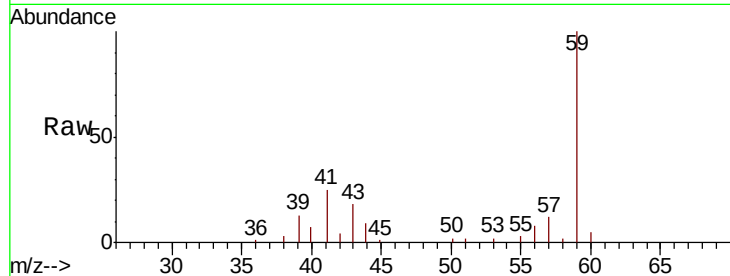
#23
 tert-Butyl Alcohol
 Concen: 81.22 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0809WBS02

Tot Ion: 59 Resp: 51358
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

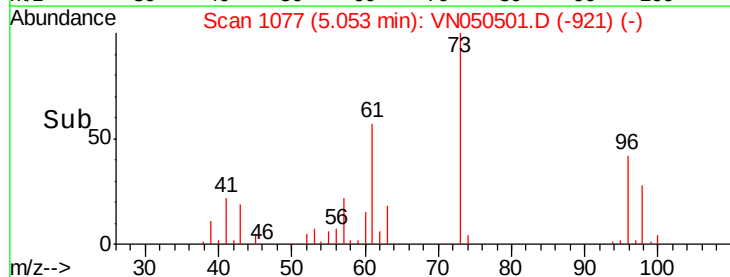
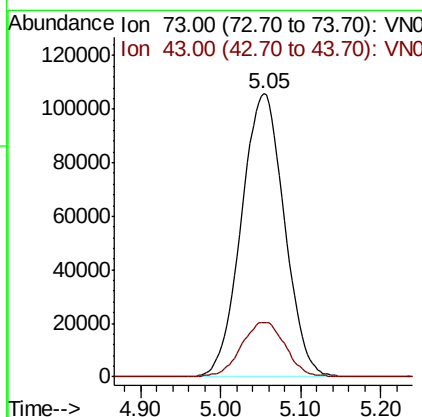
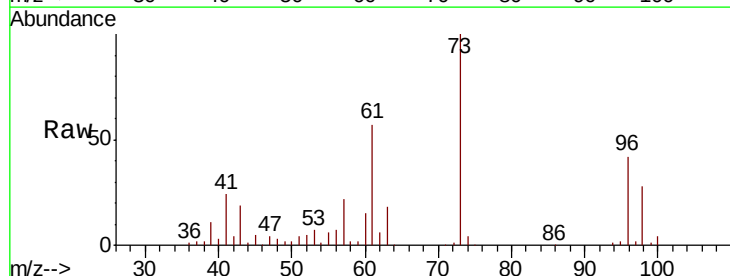
Manual Integrations
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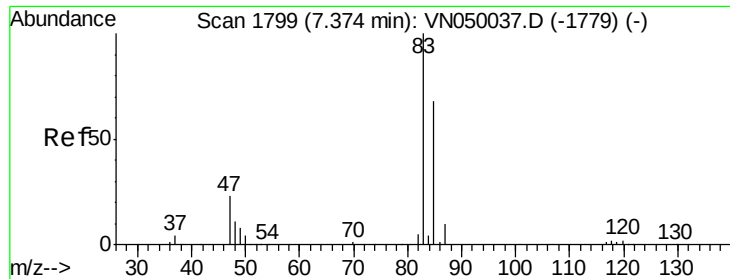
MMDadoda
 8/10/2018 10:53:07 AM



#24
 Methyl tert-Butyl Ether
 Concen: 19.21 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Tgt Ion: 73 Resp: 387803
 Ion Ratio Lower Upper
 73 100
 43 19.8 15.5 23.3





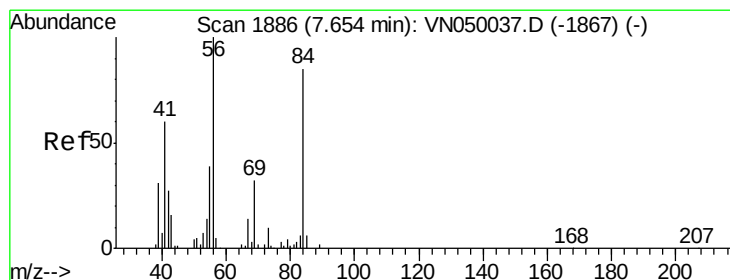
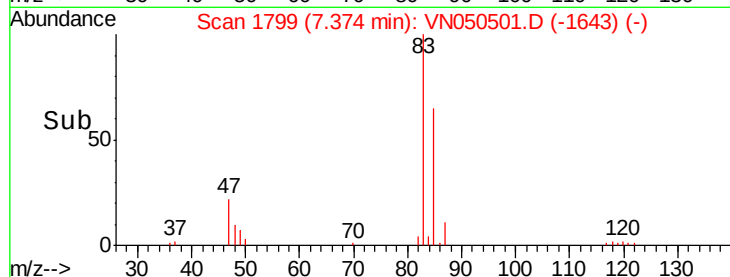
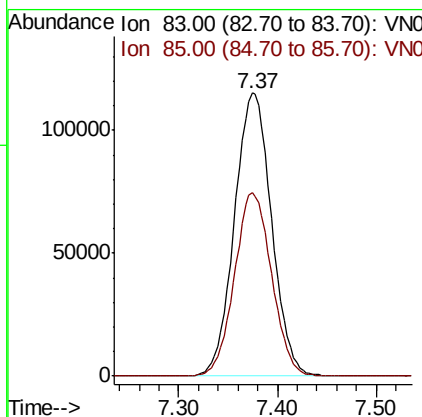
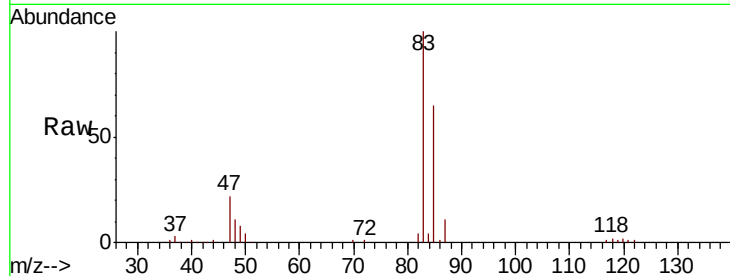
#25
Chloroform
Concen: 19.71 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampled :
VN0809WBS02

Tot Ion	83	Resp	300734
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	52.1	78.1

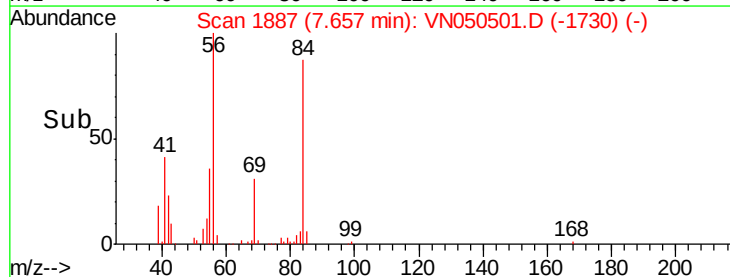
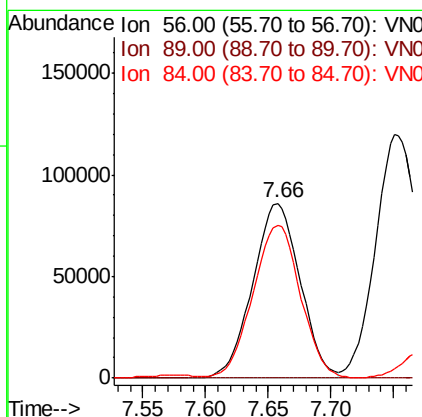
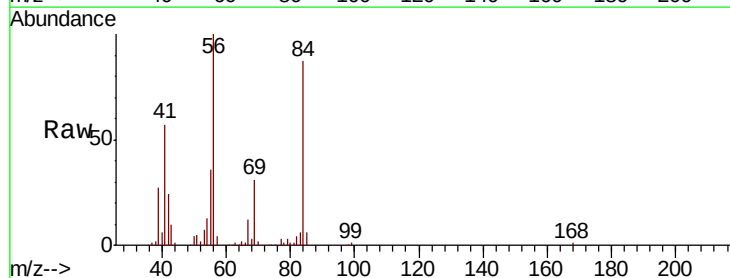
Manual Integrations
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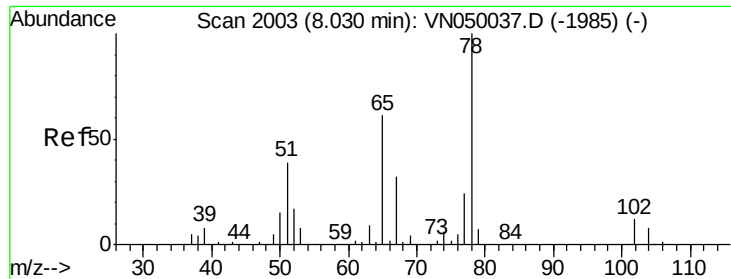
MMDadoda
8/10/2018 10:53:07 AM



#26
Cyclohexane
Concen: 18.81 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion	56	Resp	225358
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	3.0	4.4#
84	88.4	69.8	104.8





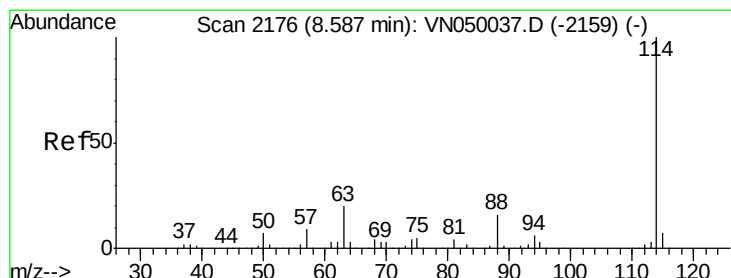
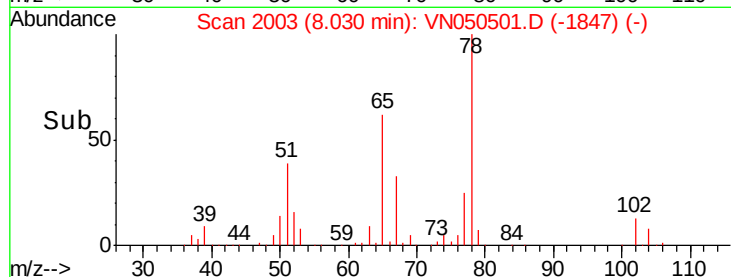
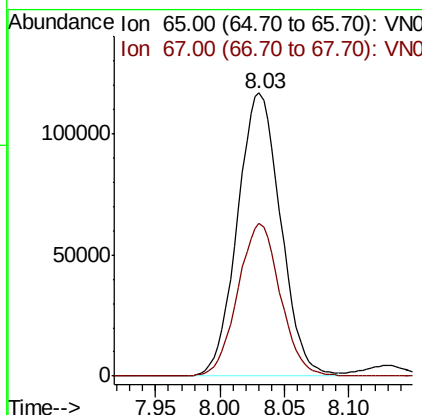
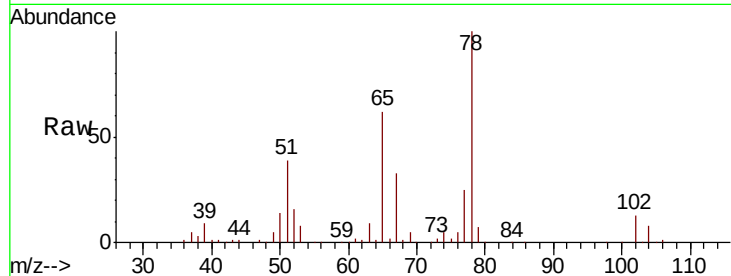
#27
 1,2-Dichloroethane-d4
 Concen: 28.87 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0809WBS02

Tot Ion: 65 Resp: 272481
 Ion Ratio Lower Upper
 65 100
 67 53.1 42.7 64.1

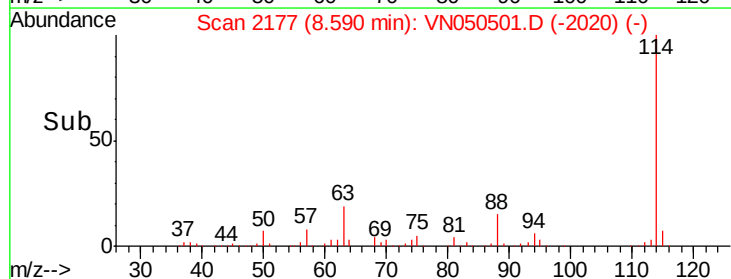
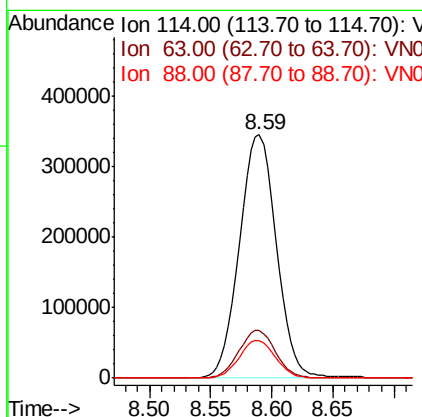
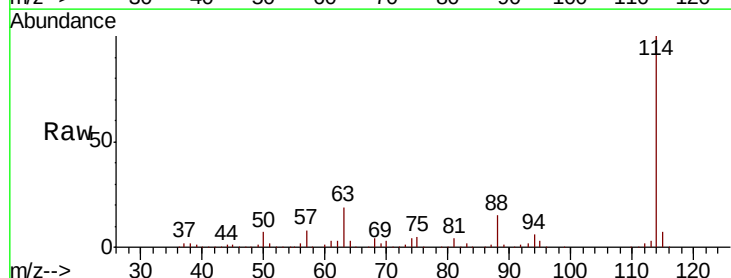
Manual Integrations
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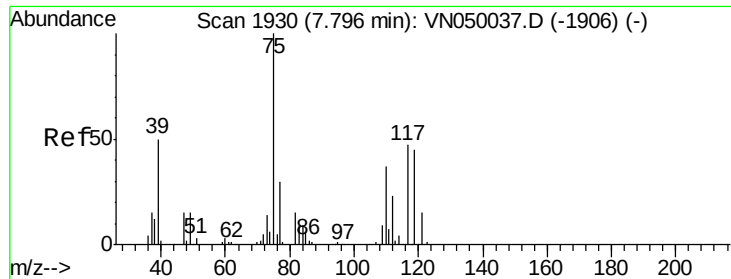
MMDadoda
 8/10/2018 10:53:07 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Tgt Ion: 114 Resp: 723753
 Ion Ratio Lower Upper
 114 100
 63 19.4 16.2 24.2
 88 15.3 12.3 18.5





#29

1,1-Dichloropropene

Concen: 19.00 ug/l

RT: 7.80 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Instrument :

MSVOA_N

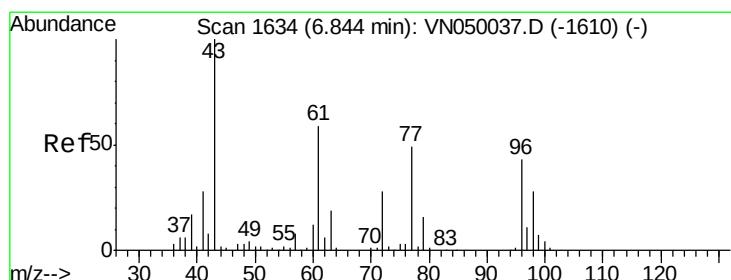
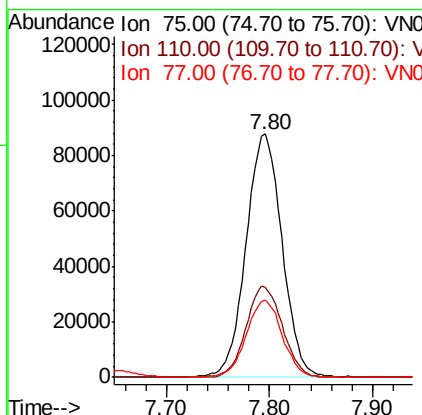
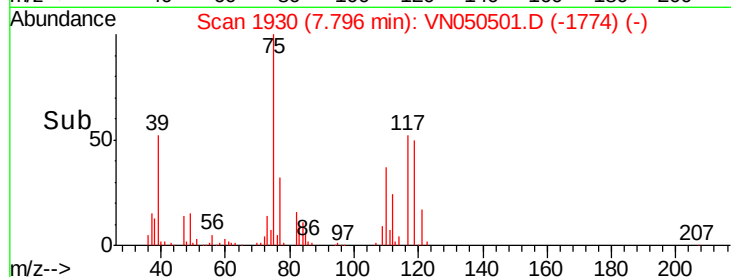
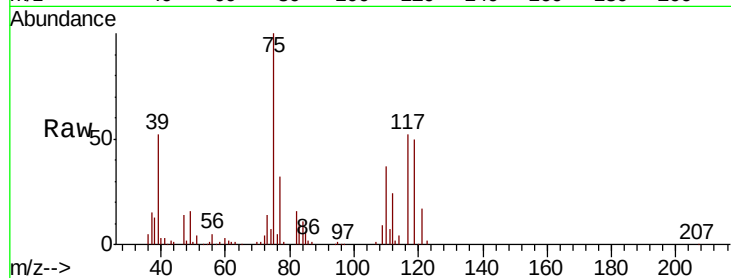
ClientSampled :

VN0809WBS02

Tot Ion:	75	Resp:	213420
Ion Ratio	Lower	Upper	
75	100		
110	37.5	0.0	73.2
77	31.7	0.0	62.0

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#30

2-Butanone

Concen: 101.94 ug/l

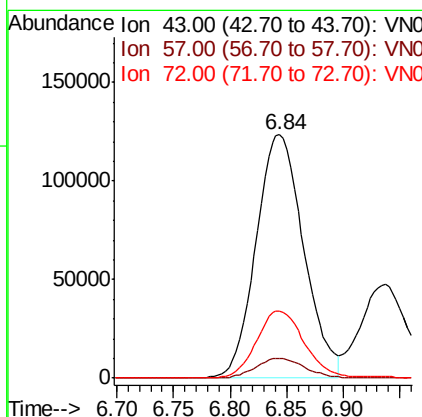
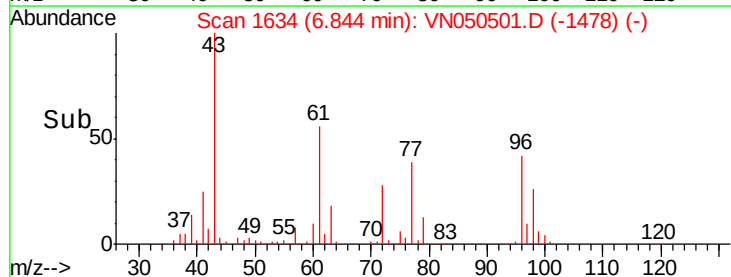
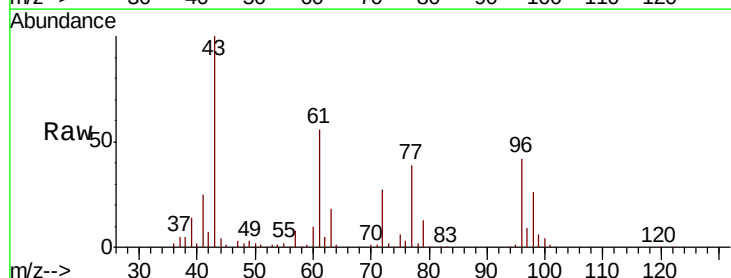
RT: 6.84 min Scan# 1634

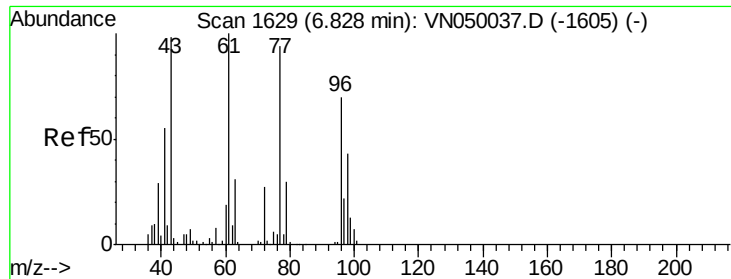
Delta R.T. 0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Tgt Ion:	43	Resp:	359292
Ion Ratio	Lower	Upper	
43	100		
57	8.4	6.8	10.2
72	27.7	21.4	32.0





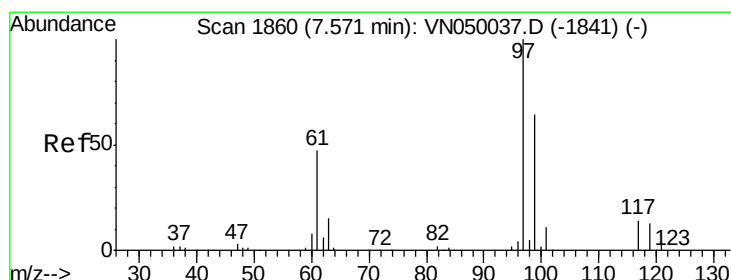
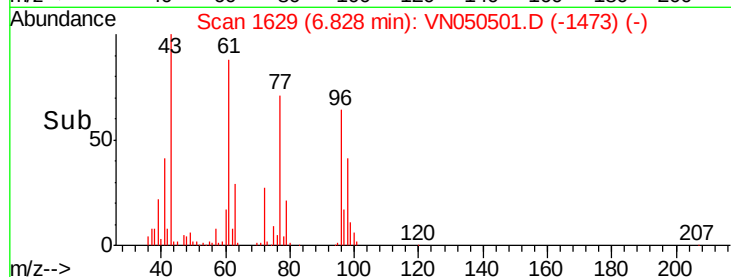
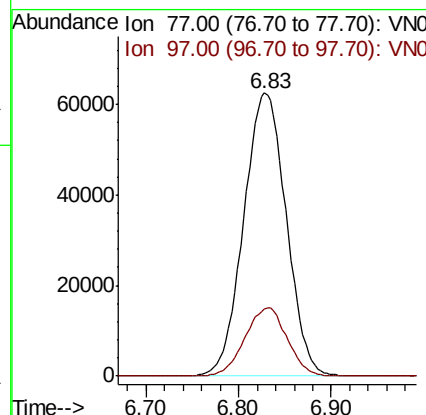
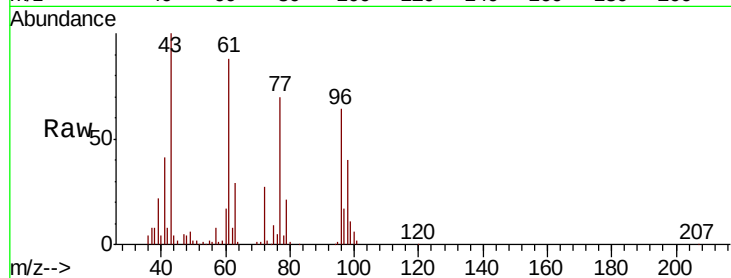
#31
 2,2-Dichloropropane
 Concen: 16.05 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0809WBS02

Tot Ion	Ratio	Lower	Upper
77	100		
97	23.9	18.9	28.3

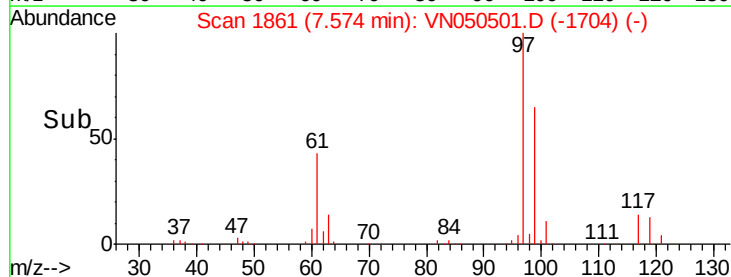
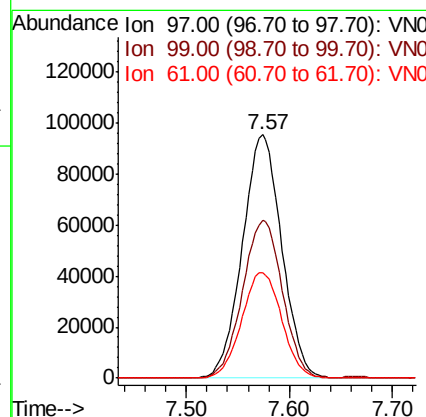
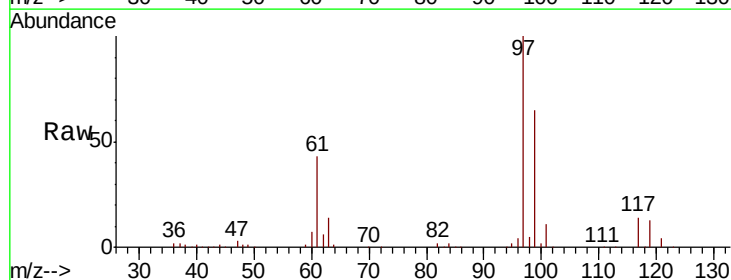
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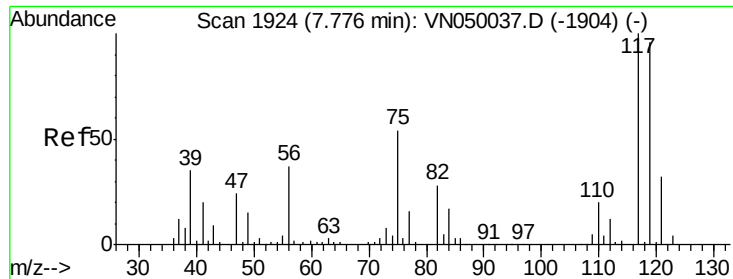
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#32
 1,1,1-Trichloroethane
 Concen: 19.12 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.2	76.8
61	44.2	35.3	52.9





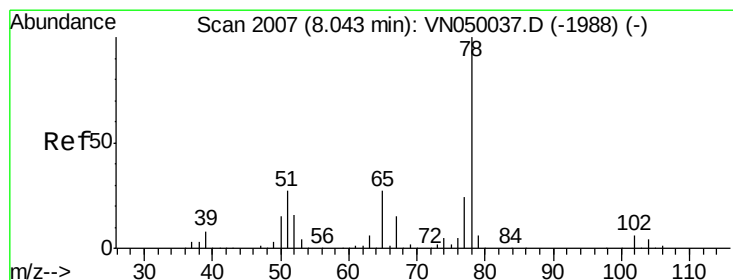
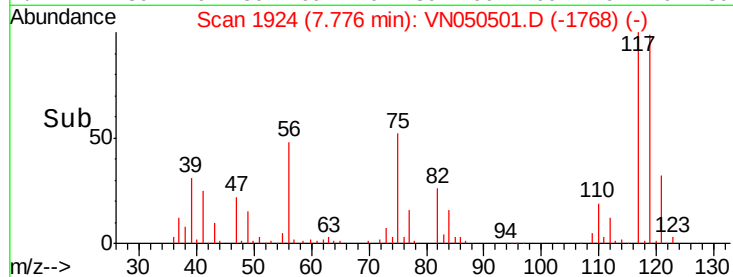
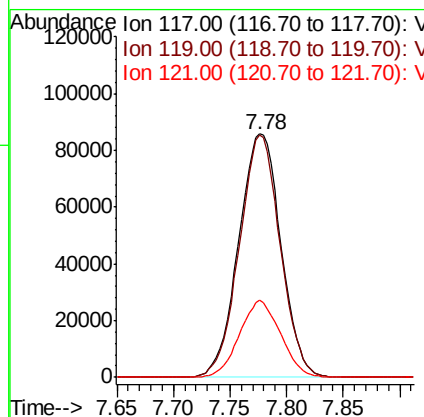
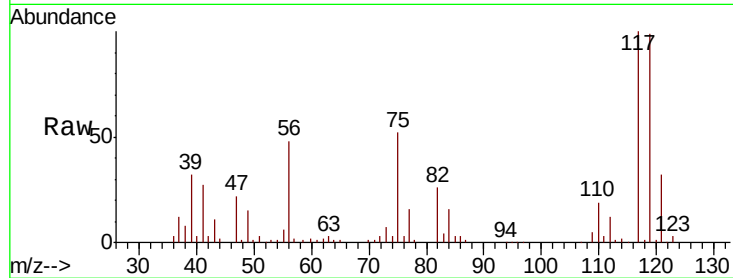
#33
Carbon Tetrachloride
Concen: 18.89 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	222678		
119	99.5	76.9	115.3	
121	31.6	24.4	36.6	

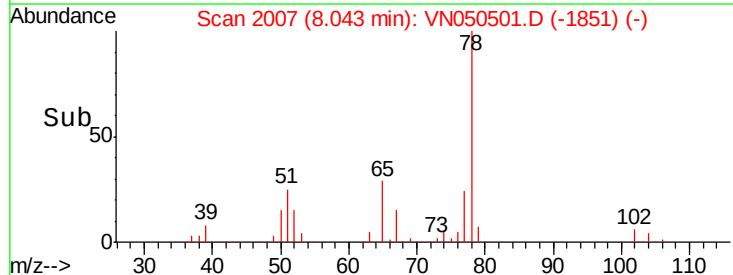
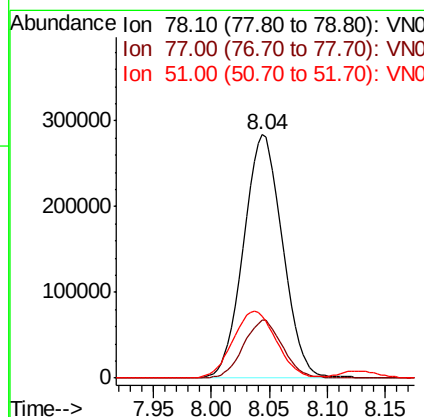
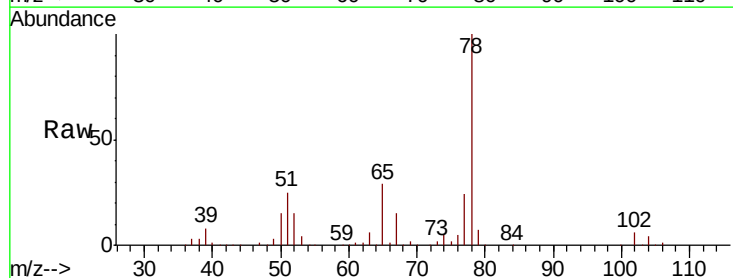
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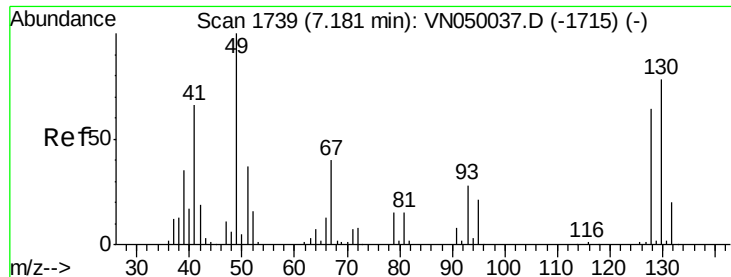
MMDadoda
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#34
Benzene
Concen: 19.50 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	665327		
77	23.6	19.1	28.7	
51	25.2	21.0	31.4	





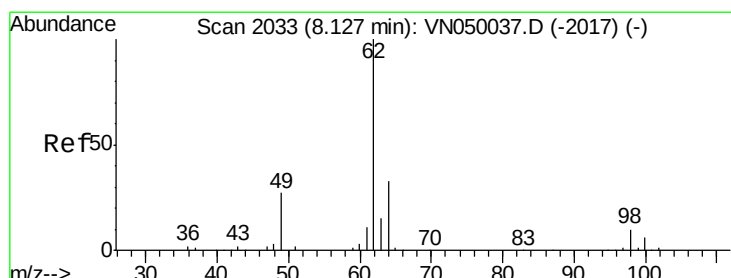
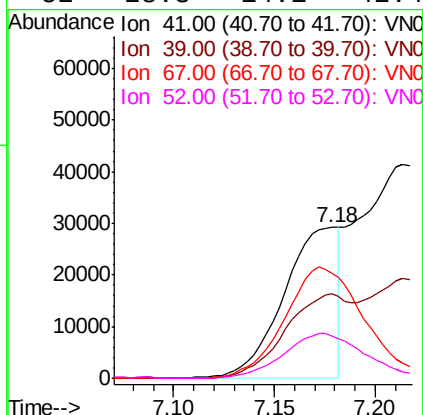
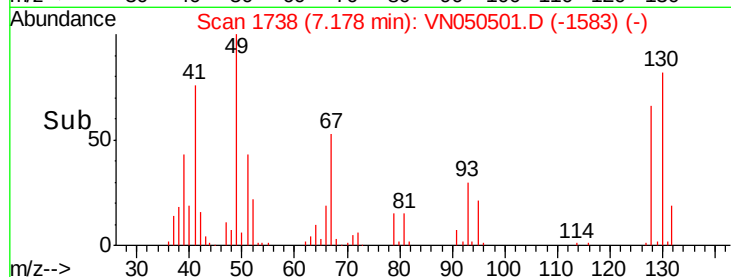
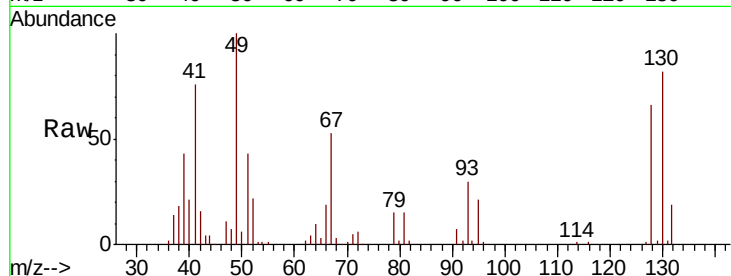
#35
Methacrylonitrile
Concen: 13.73 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.8	27.6	82.7
67	70.1	35.1	105.5
52	28.3	14.1	42.4

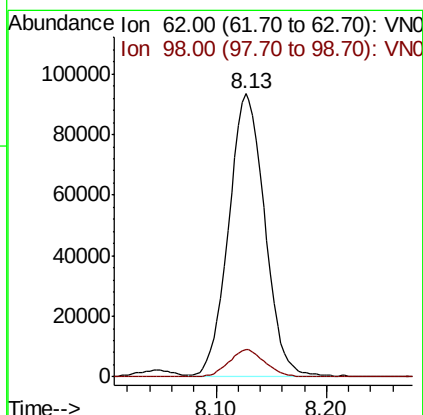
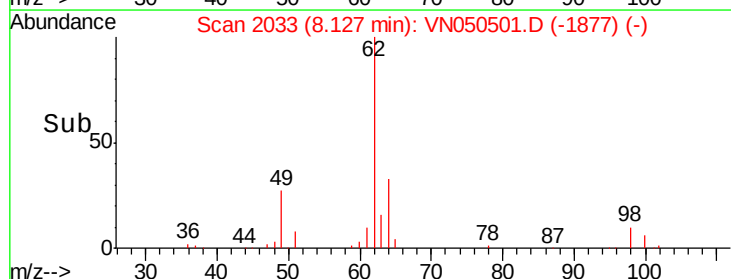
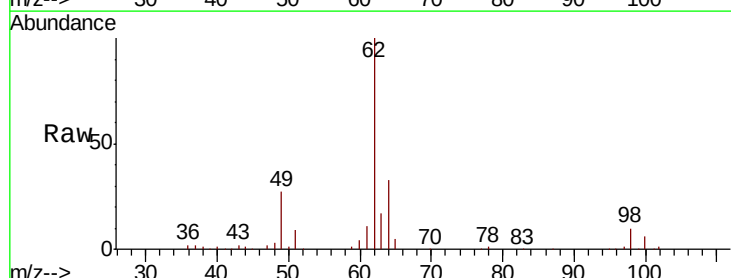
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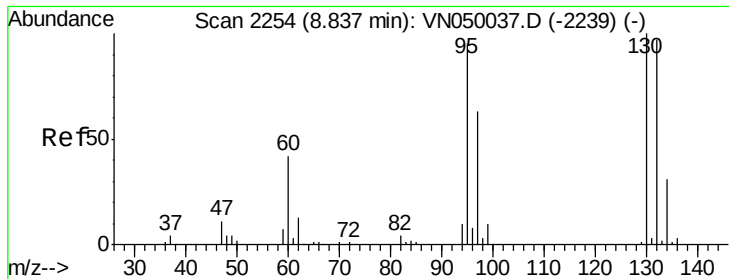
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#36
1,2-Dichloroethane
Concen: 18.81 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	7.8	11.6





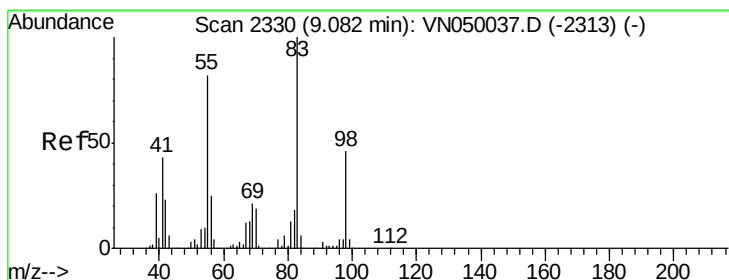
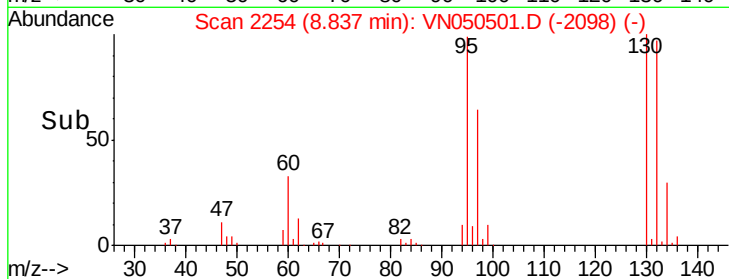
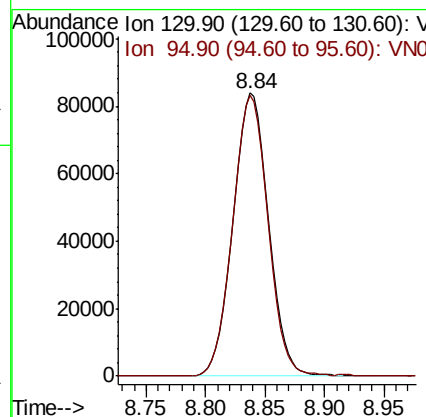
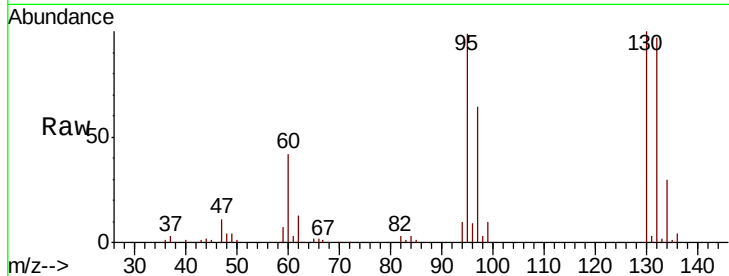
#37
 Trichloroethene
 Concen: 19.39 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0809WBS02

Tot Ion:130 Resp: 173517
 Ion Ratio Lower Upper
 130 100
 95 99.0 79.7 119.5

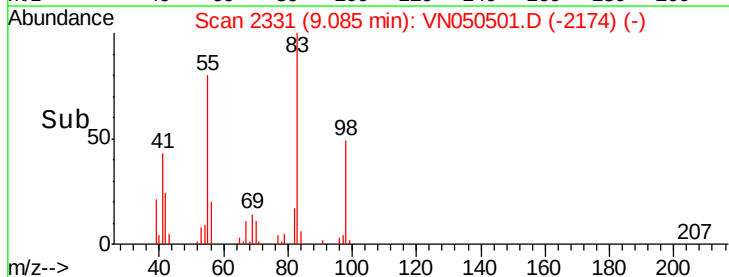
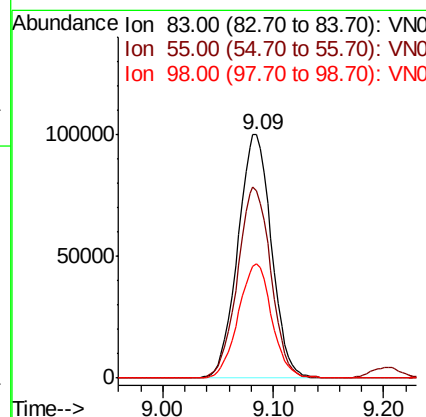
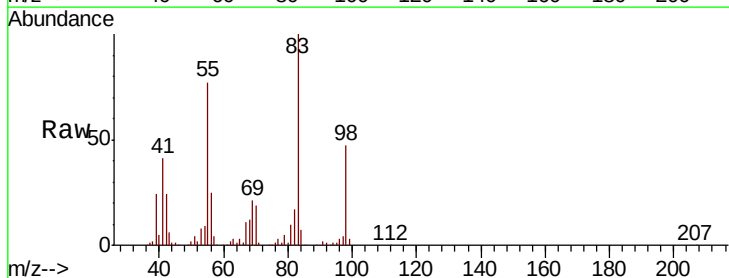
Manual Integrations
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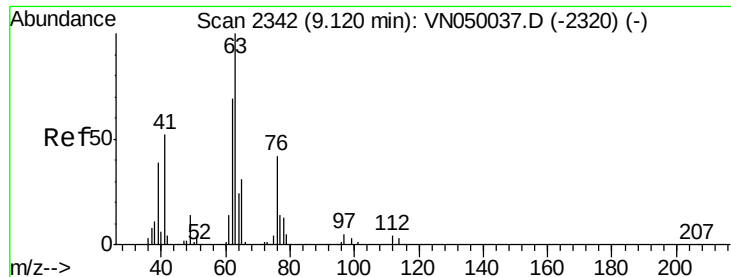
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 8/10/2018 10:53:07 AM



#38
 Methylcyclohexane
 Concen: 17.88 ug/l
 RT: 9.09 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Tgt Ion: 83 Resp: 211714
 Ion Ratio Lower Upper
 83 100
 55 77.7 39.3 117.8
 98 46.6 23.0 69.0





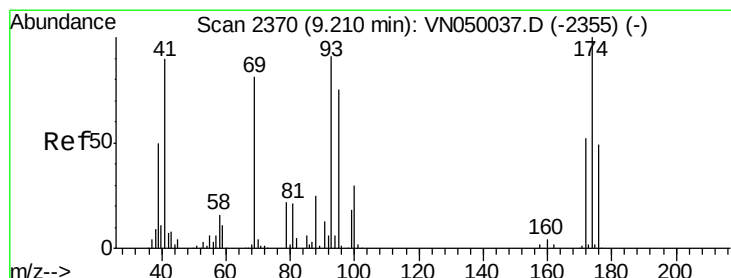
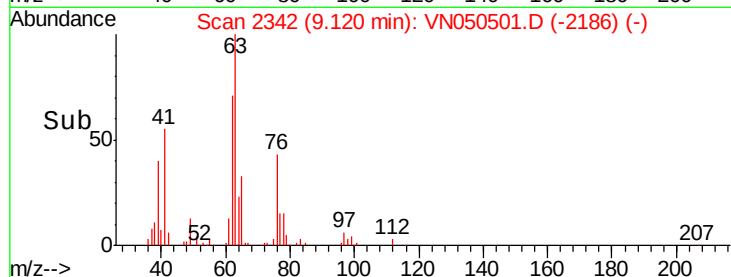
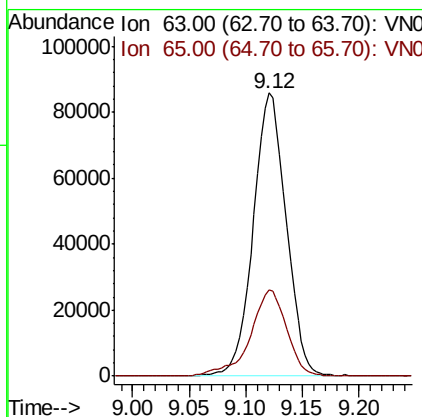
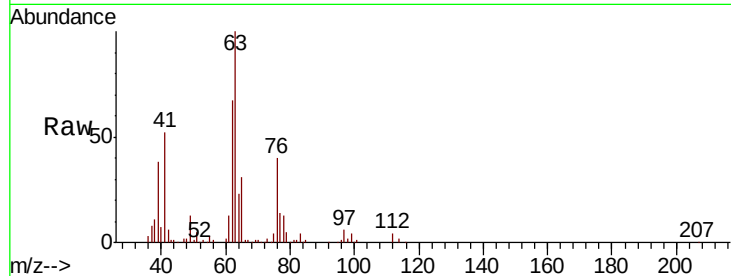
#39
 1,2-Dichloropropane
 Concen: 19.36 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.2	36.2

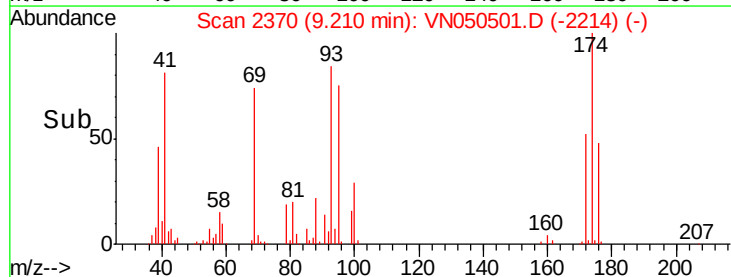
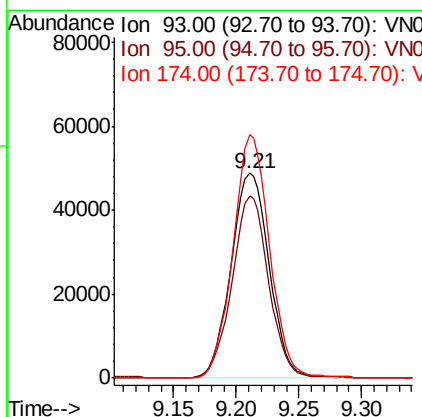
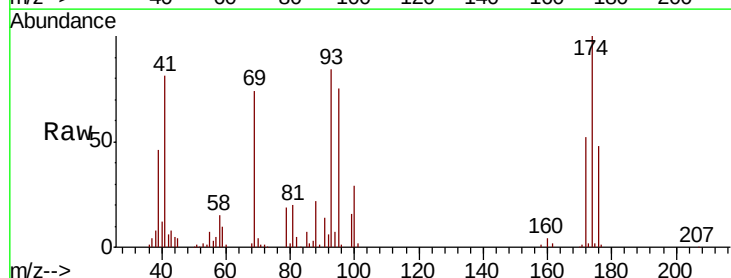
Manual Integrations
 APPROVED

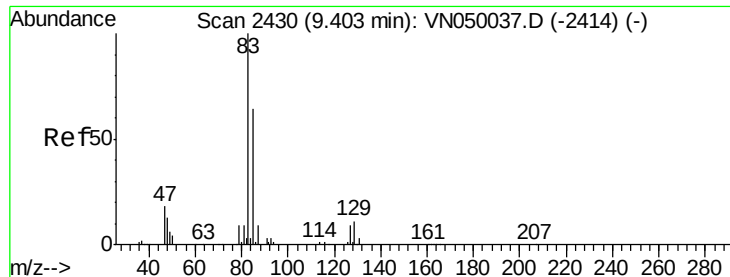
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 8/10/2018 10:53:07 AM



#40
 Dibromomethane
 Concen: 18.64 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.0	0.0	165.6
174	113.7	0.0	223.2





#41

Bromodichloromethane

Concen: 19.06 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Instrument :

MSVOA_N

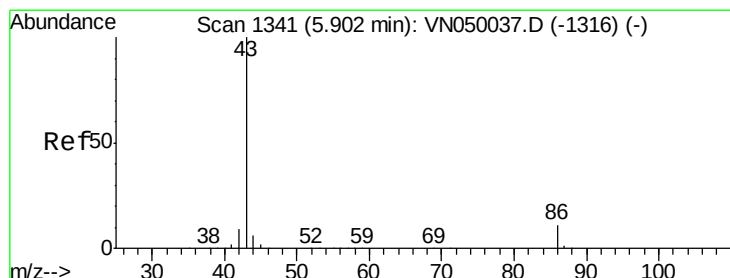
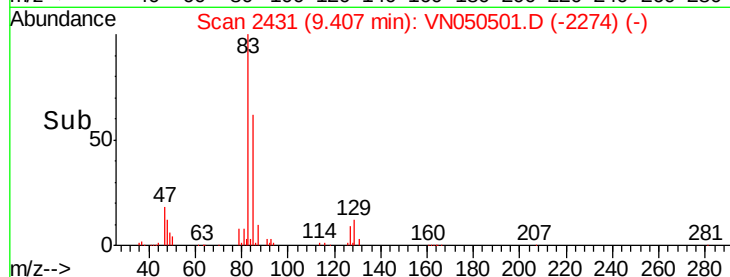
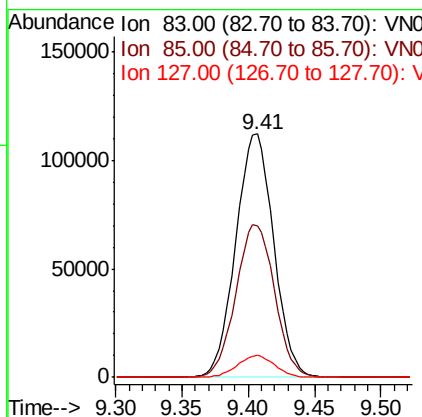
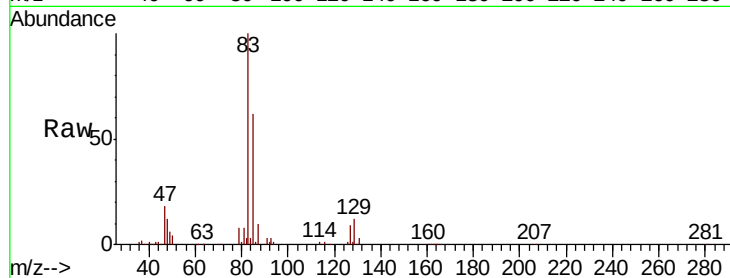
ClientSampleId :

VN0809WBS02

Tot Ion:	83	Resp:	223298
Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.6	78.8
127	9.1	7.0	10.4

Manual Integrations
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8/10/2018 10:53:07 AM



#42

Vinyl Acetate

Concen: 92.60 ug/l

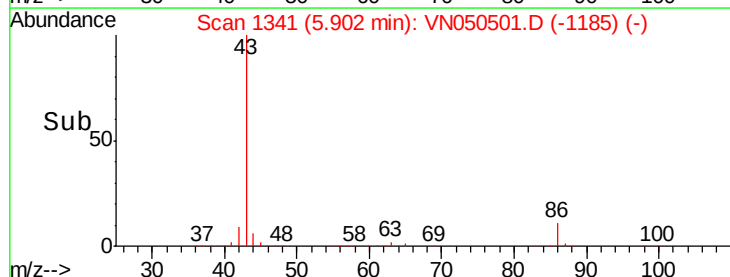
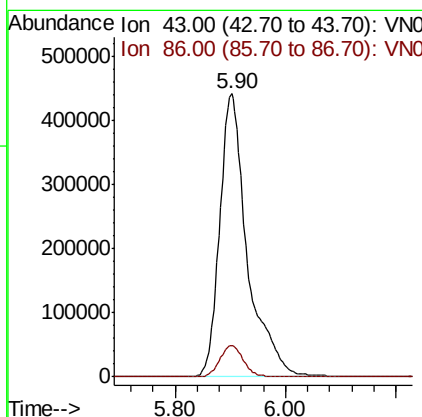
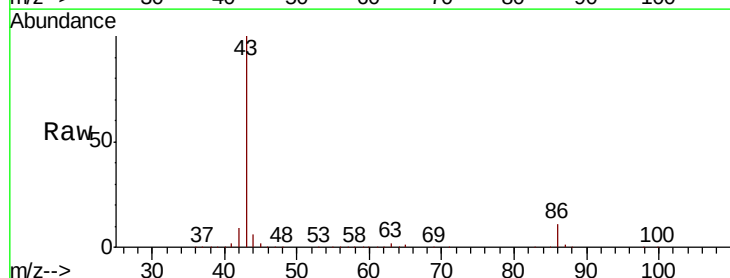
RT: 5.90 min Scan# 1341

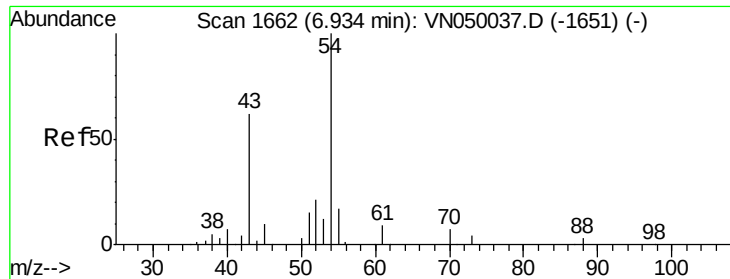
Delta R.T. 0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Tgt Ion:	43	Resp:	1535924
Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.3	10.9





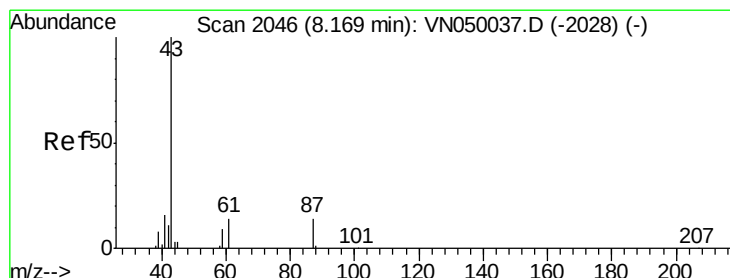
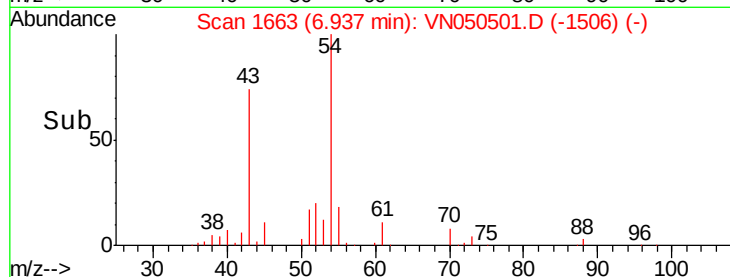
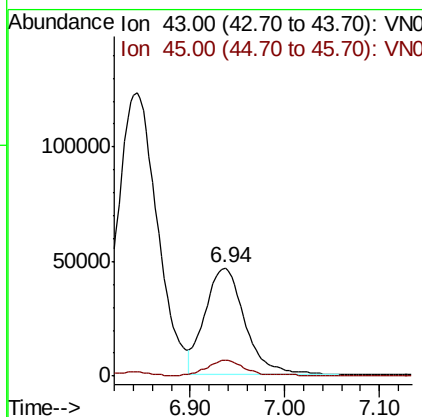
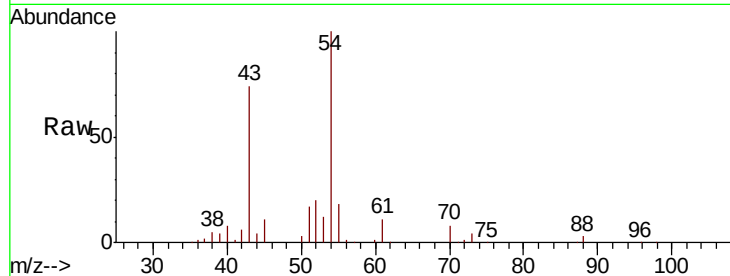
#43
Ethyl Acetate
Concen: 18.55 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampled :
VN0809WBS02

Tot Ion	43	45	Ratio	100	12.8	Resp	136501	Lower	Upper

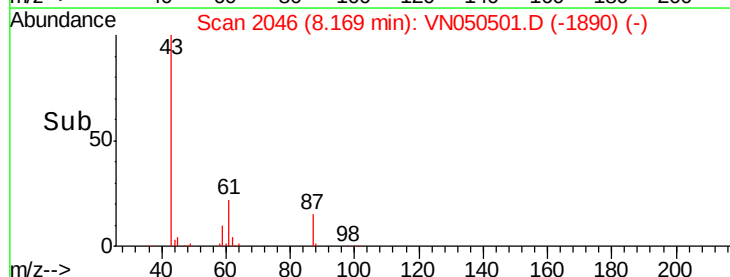
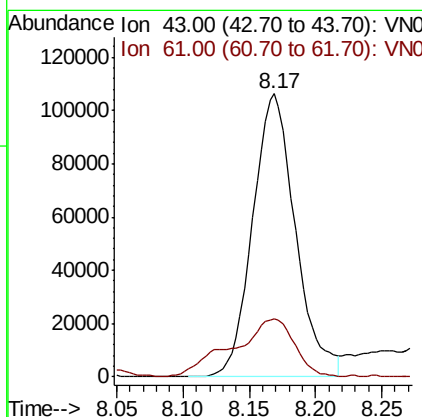
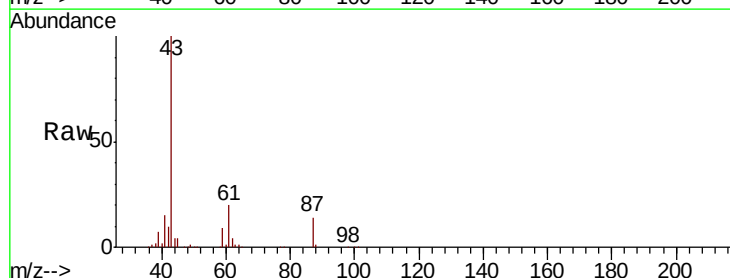
Manual Integrations
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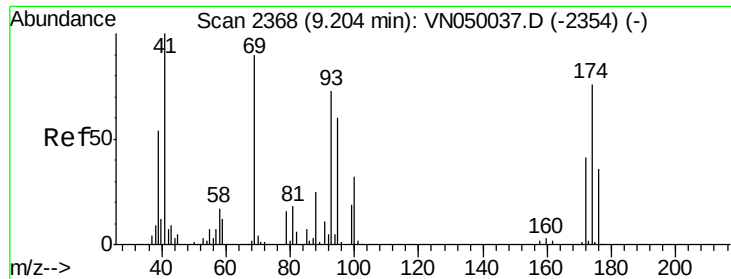
MMDadoda
8/10/2018 10:53:07 AM



#44
Isopropyl Acetate
Concen: 17.45 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion	43	61	Ratio	100	29.2	Resp	237856	Lower	Upper





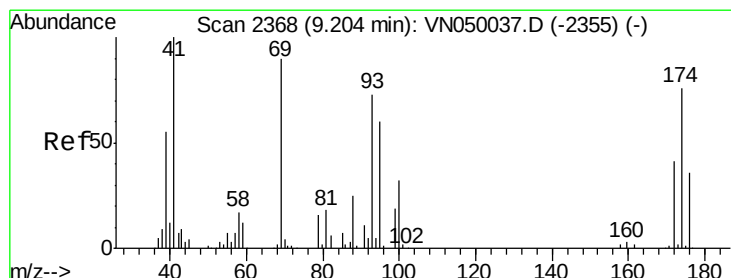
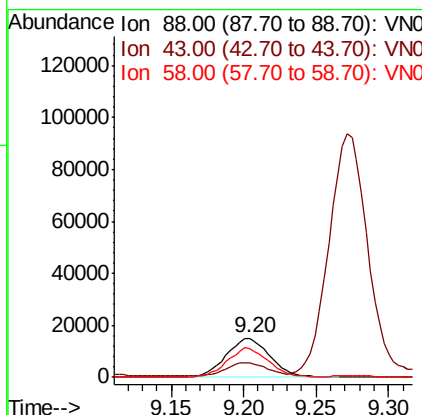
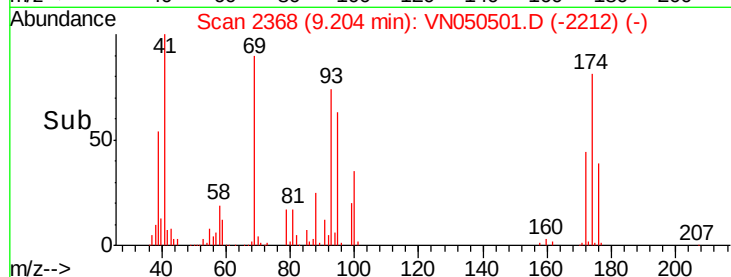
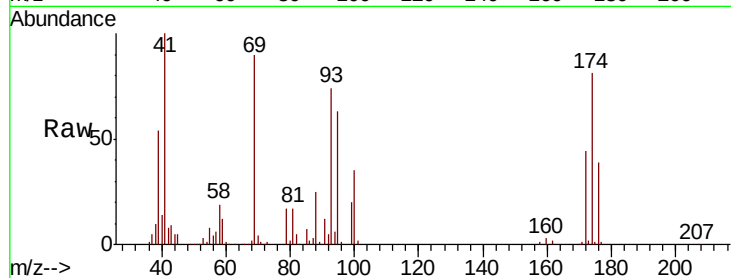
#45
1,4-Dioxane
Concen: 350.39 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS02

Tot Ion	88	Resp	31436
Ion	Ratio	Lower	Upper
88	100		
43	32.5	26.9	40.3
58	71.6	53.6	80.4

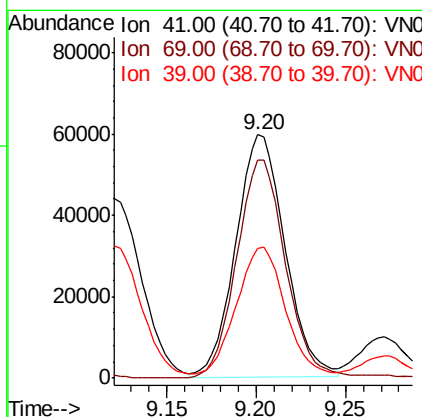
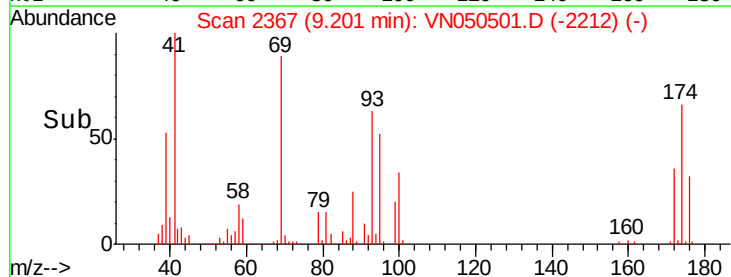
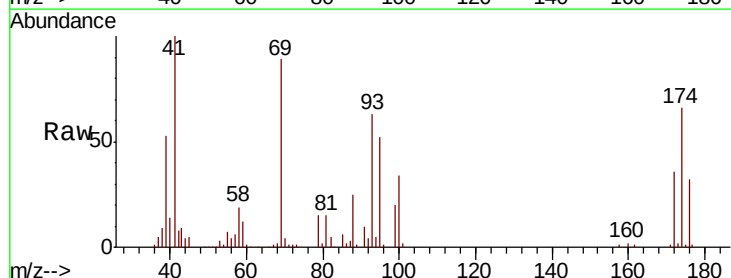
Manual Integrations
APPROVED

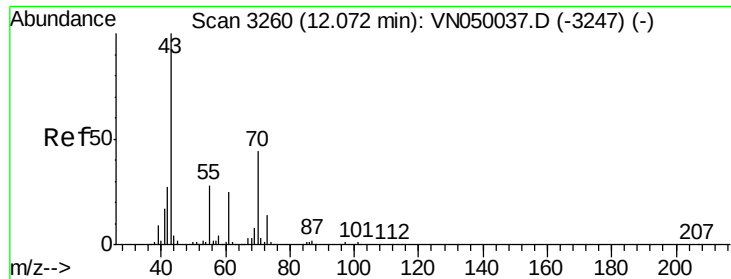
MMDadoda
8/10/2018 10:53:07 AM



#46
Methyl methacrylate
Concen: 17.38 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion	41	Resp	114900
Ion	Ratio	Lower	Upper
41	100		
69	90.8	44.0	132.1
39	52.6	27.0	80.8





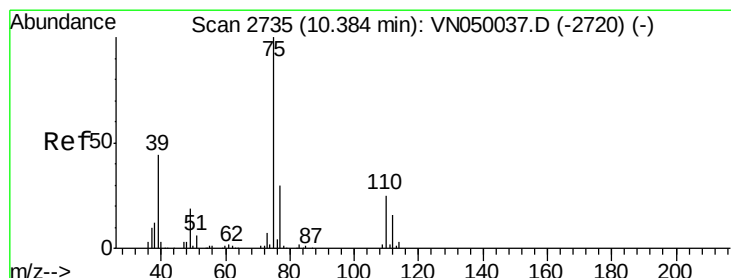
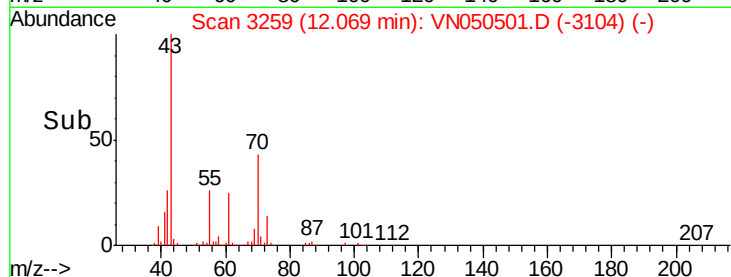
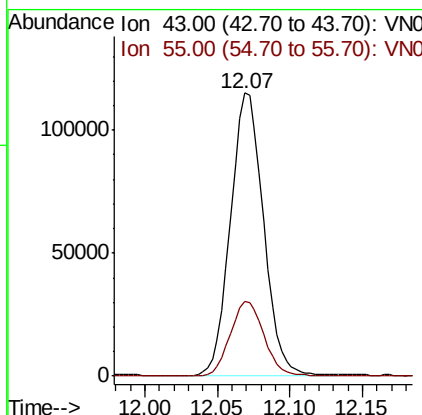
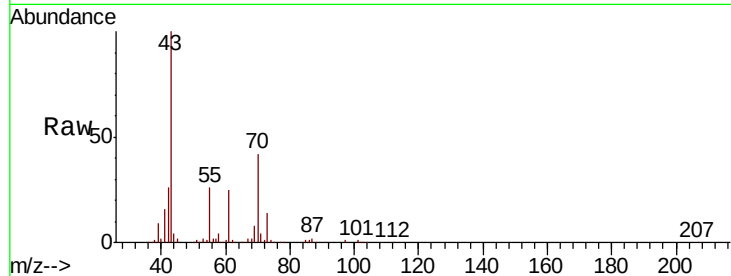
#47
n-amyl Acetate
Concen: 17.13 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS02

Tot Ion: 43 Resp: 181741
Ion Ratio Lower Upper
43 100
55 27.1 21.0 31.4

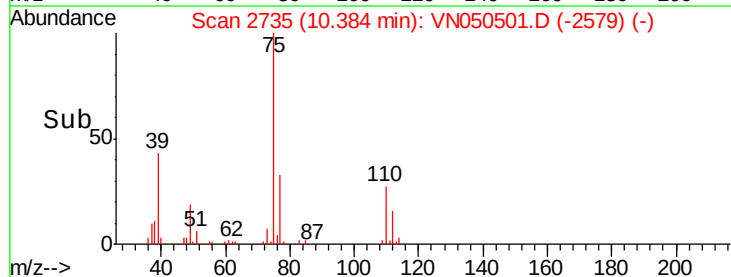
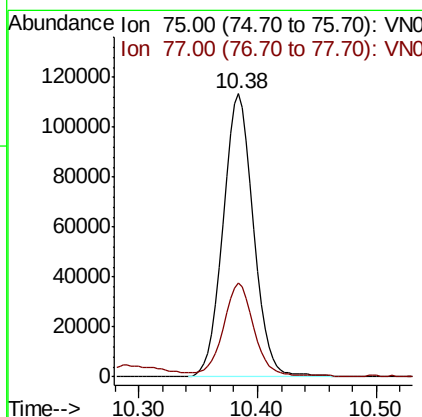
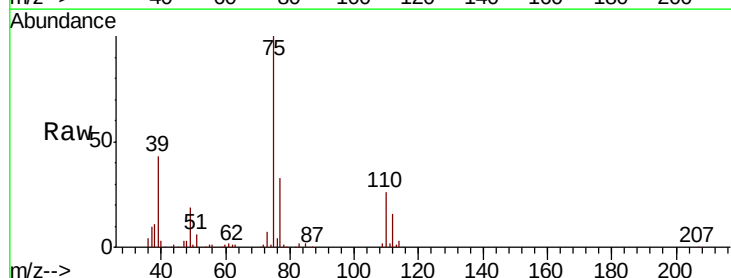
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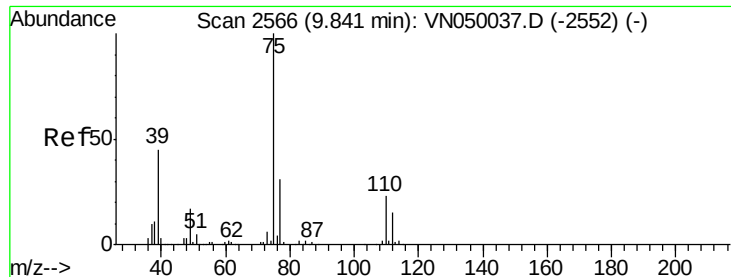
MMDadoda
8/10/2018 10:53:07 AM



#48
t-1,3-Dichloropropene
Concen: 17.99 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion: 75 Resp: 200855
Ion Ratio Lower Upper
75 100
77 32.9 24.6 37.0





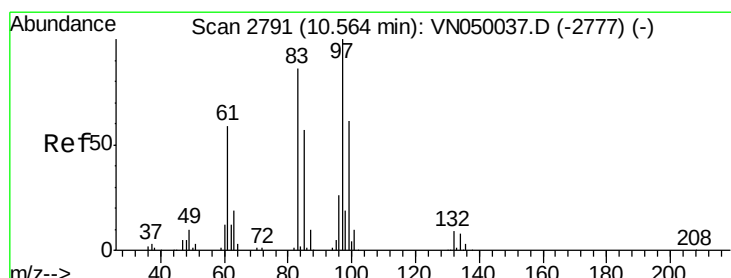
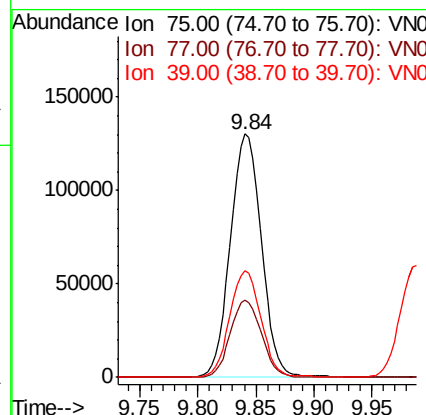
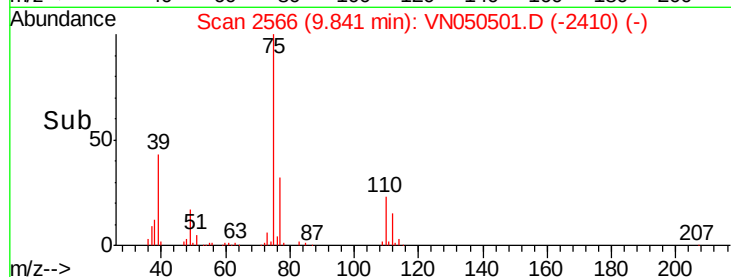
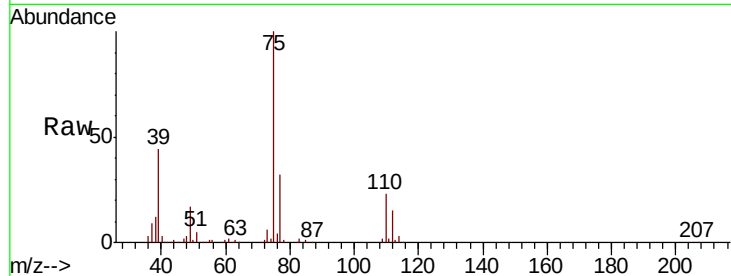
#49
 cis-1,3-Dichloropropene
 Concen: 18.44 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5
39	43.6	36.3	54.5

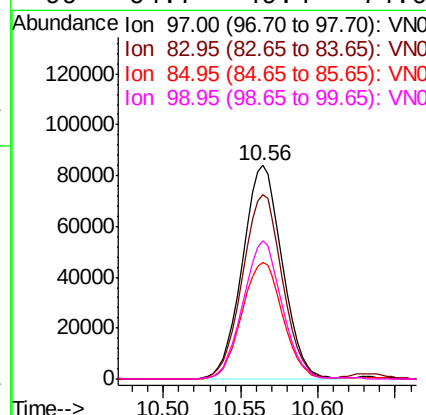
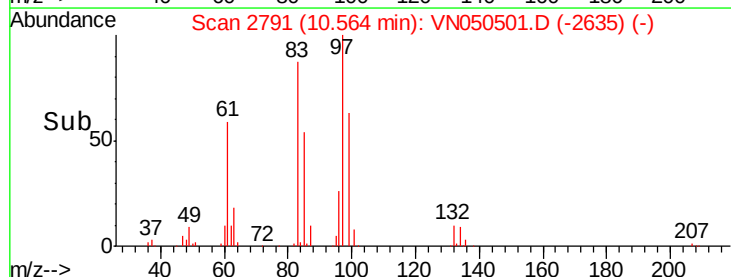
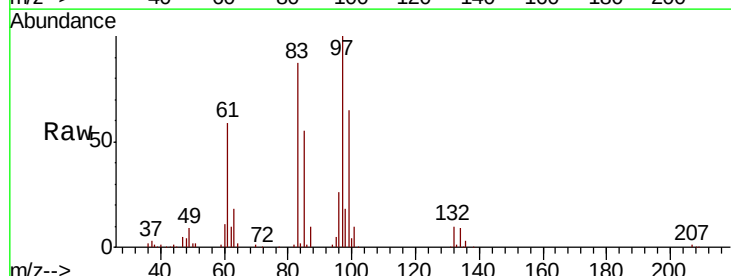
Manual Integrations
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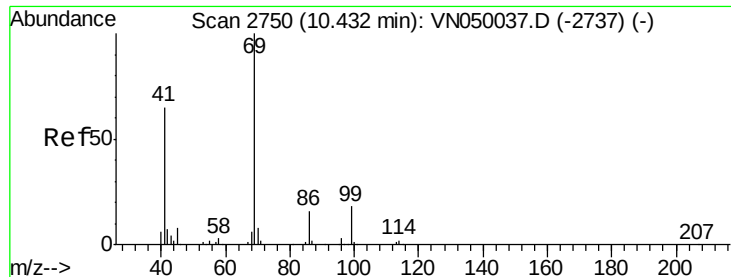
MMDadoda
 8/10/2018 10:53:07 AM



#50
 1,1,2-Trichloroethane
 Concen: 18.91 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.1	102.1
85	54.5	45.4	68.2
99	64.7	49.4	74.0





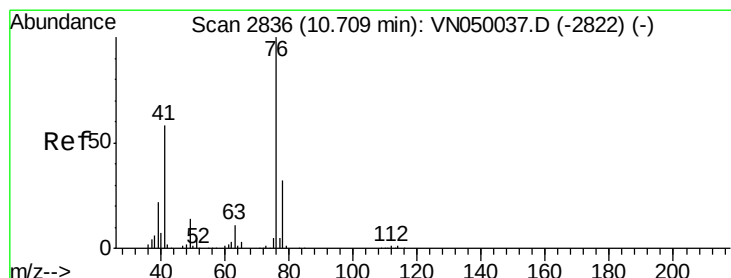
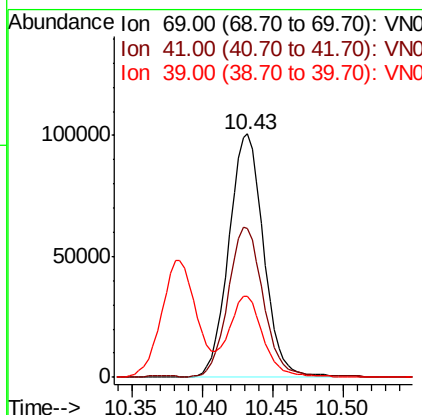
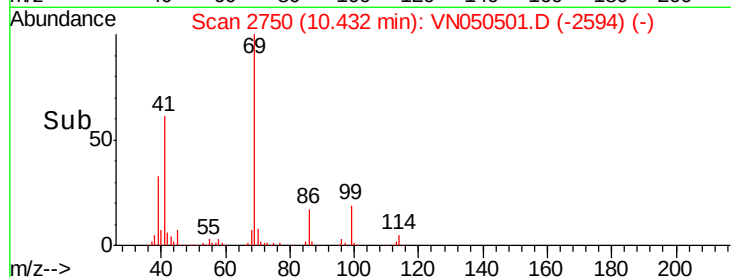
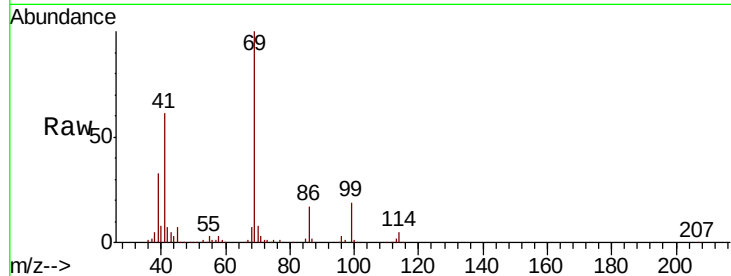
#51
Ethyl methacrylate
Concen: 17.96 ug/l
RT: 10.43 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS02

Tot Ion	Ratio	Resp	Lower	Upper
69	100	173813		
41	60.9		31.9	95.9
39	32.8		16.7	50.1

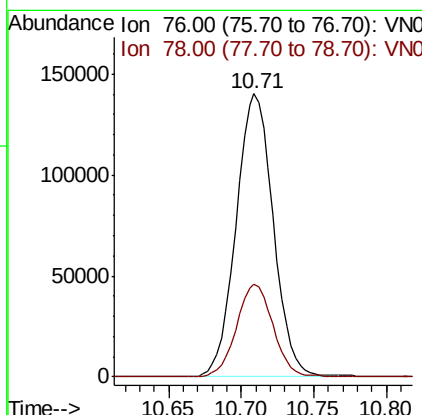
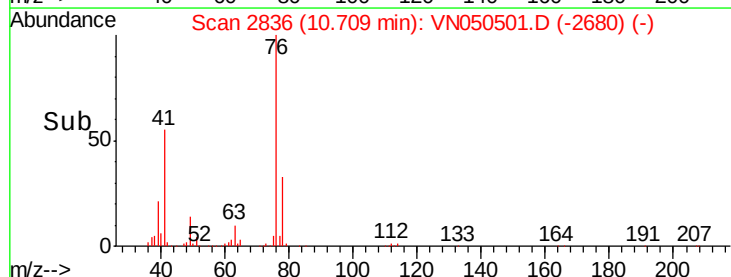
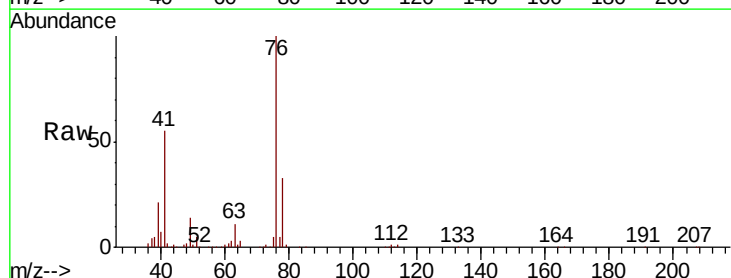
Manual Integrations
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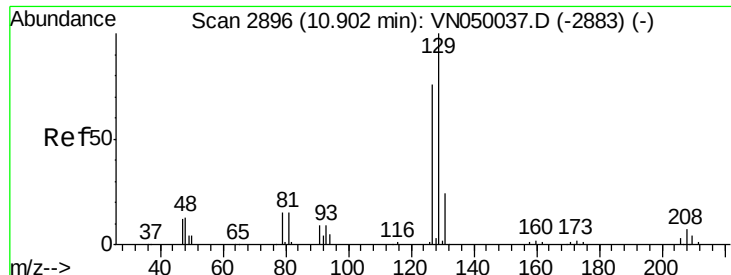
MMDadoda
8/10/2018 10:53:07 AM



#52
1,3-Dichloropropane
Concen: 19.06 ug/l
RT: 10.71 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
76	100	249516		
78	32.3		0.0	65.6





#53

Dibromochloromethane

Concen: 18.29 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS02

Tot Ion:129 Resp: 165451

Ion Ratio Lower Upper

129 100

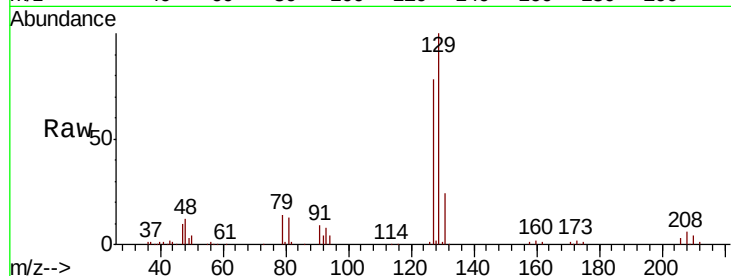
127 77.4 38.1 114.5

Manual Integrations

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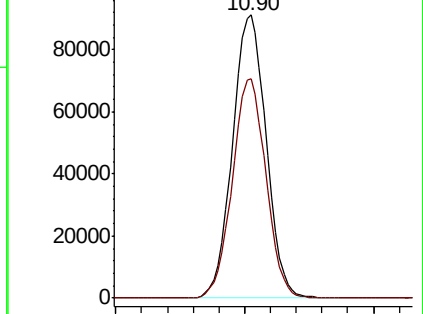
MMDadoda

8/10/2018 10:53:07 AM

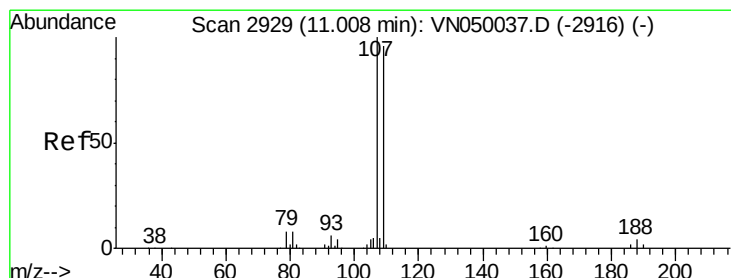
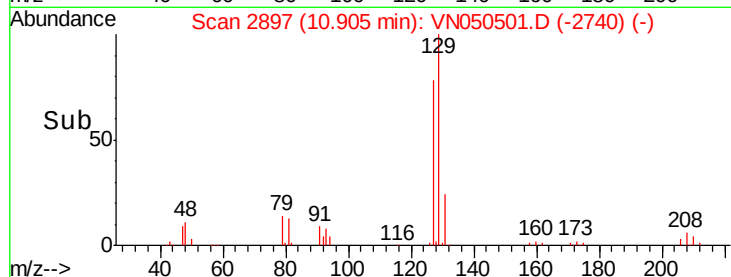


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time--> 10.80 10.90 11.00



#54

1,2-Dibromoethane

Concen: 18.38 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050501.D

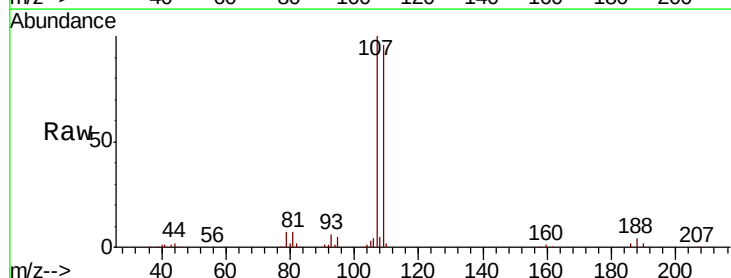
Acq: 9 Aug 2018 22:27

Tgt Ion:107 Resp: 143506

Ion Ratio Lower Upper

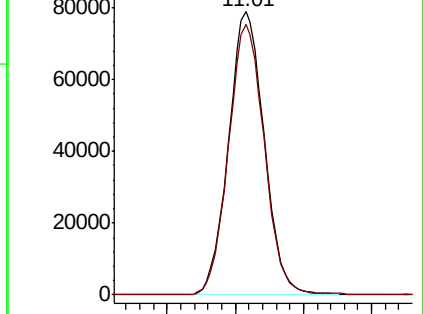
107 100

109 95.5 76.2 114.2

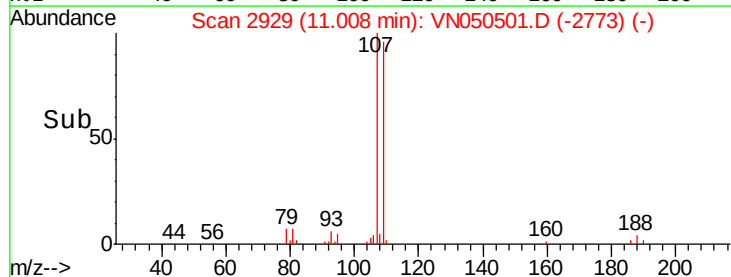


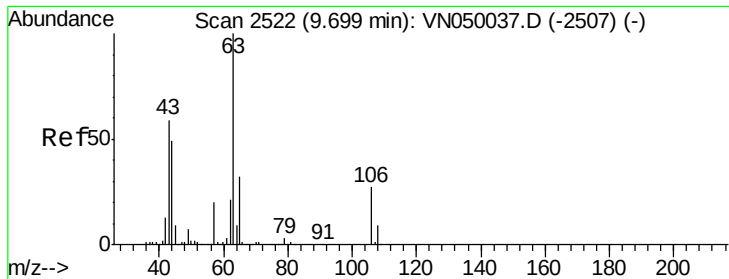
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time--> 10.95 11.00 11.05 11.10





#55

2-Chloroethyl vinyl ether

Concen: 97.42 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Instrument :

MSVOA_N

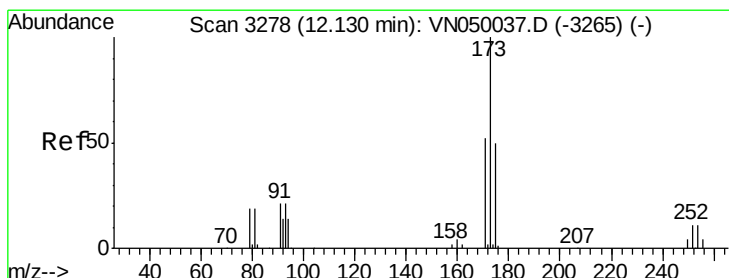
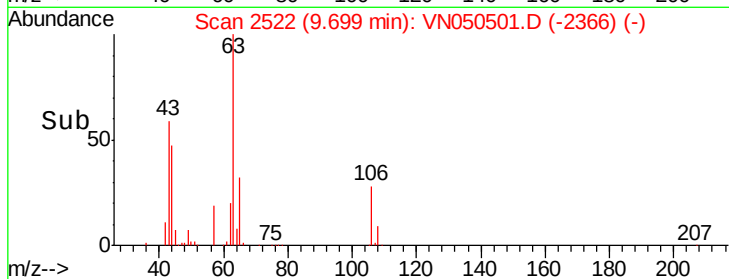
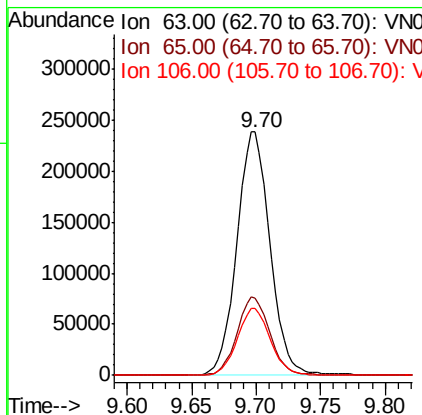
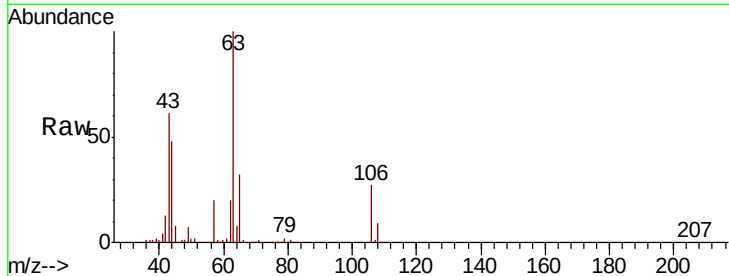
ClientSampleId :

VN0809WBS02

Tot Ion:	63	Resp:	426624
Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.5	38.3
106	27.5	21.8	32.6

Manual Integrations
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8/10/2018 10:53:07 AM



#56

Bromoform

Concen: 17.03 ug/l

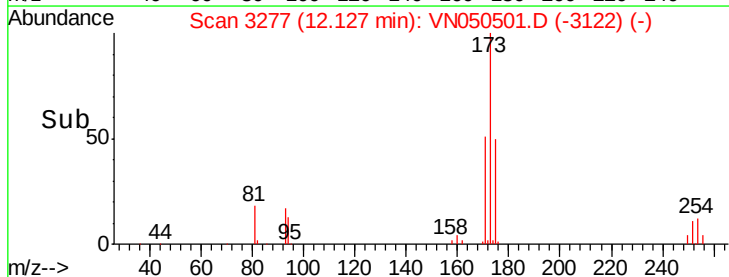
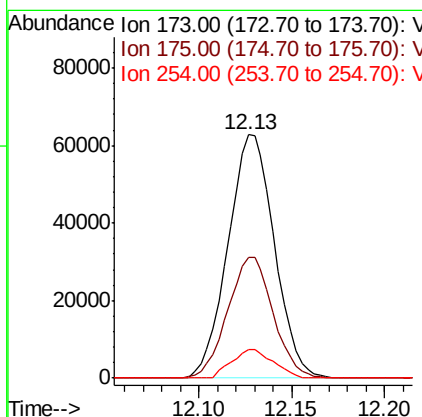
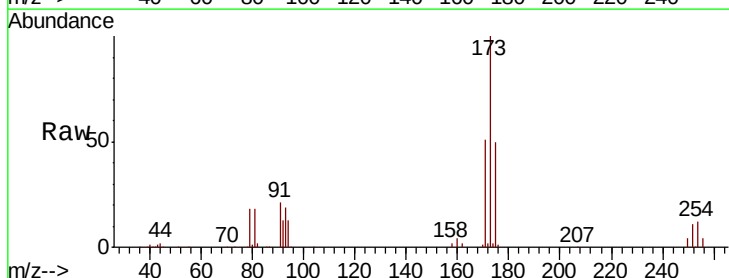
RT: 12.13 min Scan# 3277

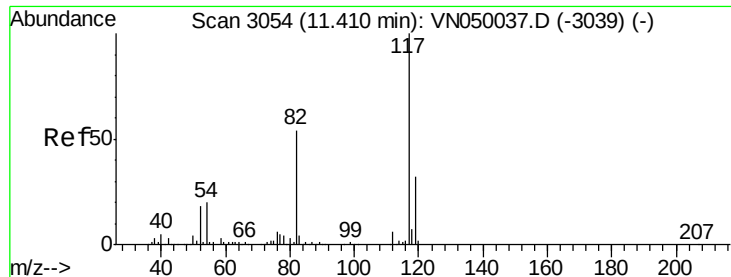
Delta R.T. -0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Tgt Ion:	173	Resp:	108779
Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.6	57.8
254	10.5	8.8	13.2





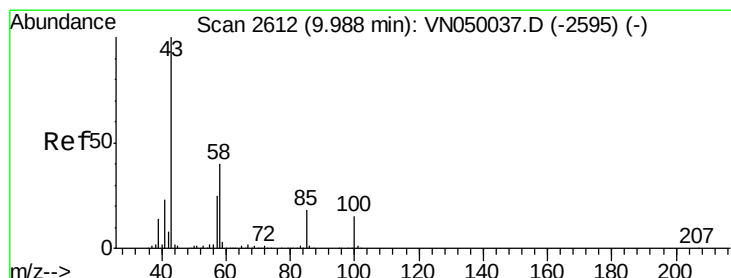
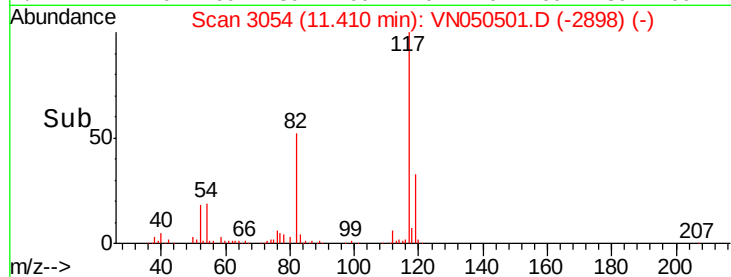
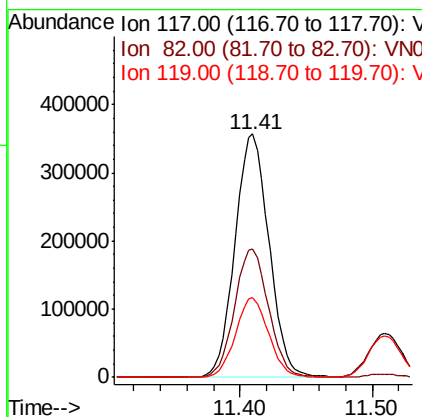
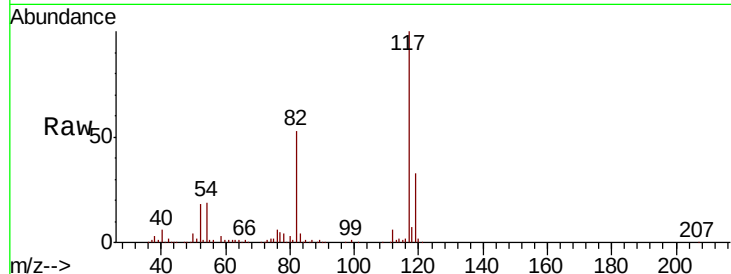
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	636428		
82	52.7	42.4	63.6	
119	31.9	25.4	38.0	

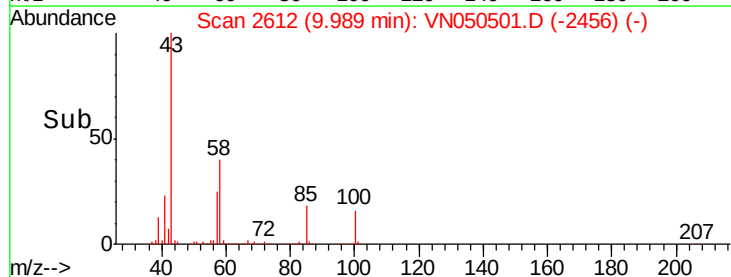
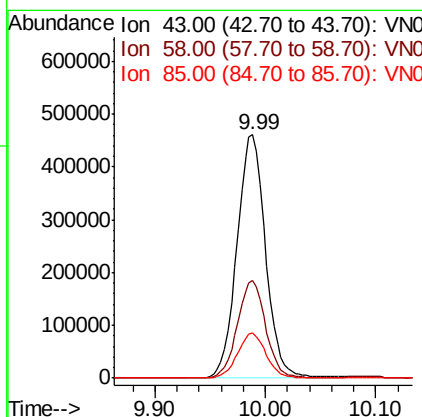
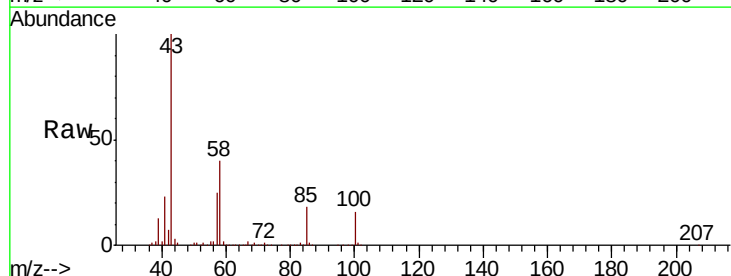
Manual Integrations
APPROVED

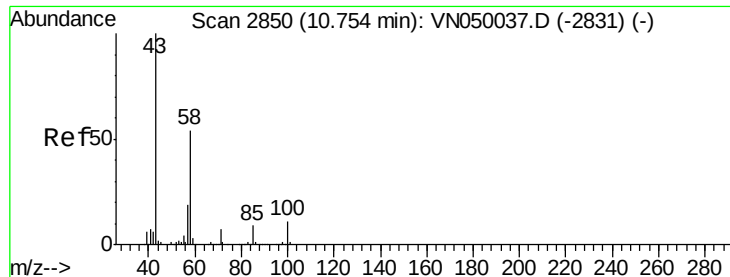
MMDadoda
8/10/2018 10:53:07 AM



#58
4-Methyl-2-Pentanone
Concen: 111.17 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	823253		
58	39.9	31.2	46.8	
85	18.6	14.4	21.6	





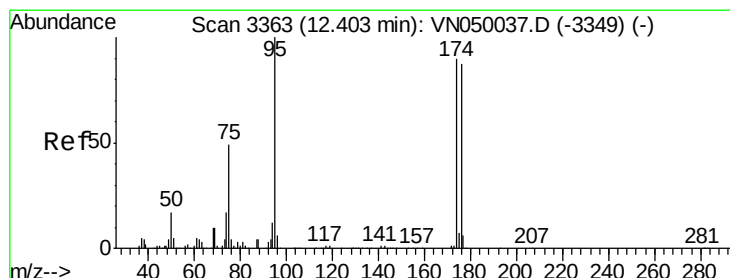
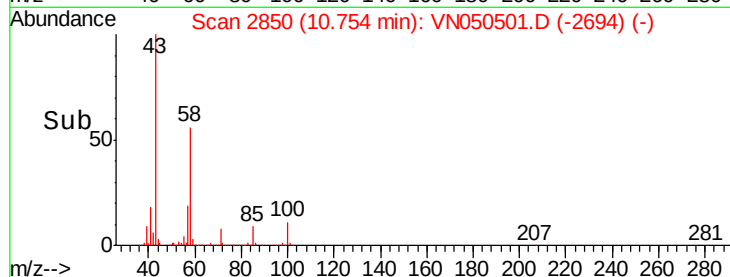
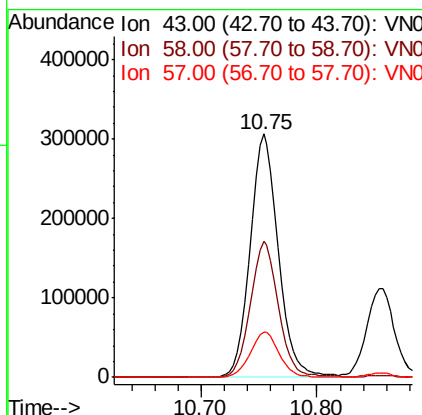
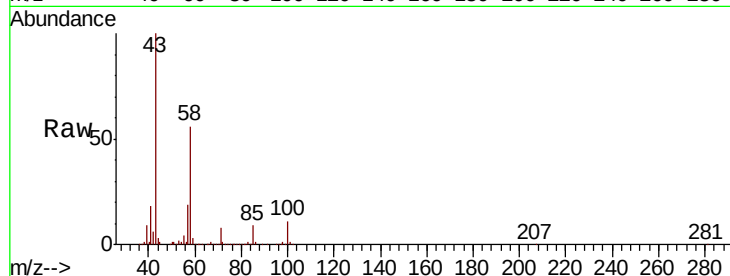
#59
2-Hexanone
Concen: 103.01 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.8	43.8	65.8
57	19.2	15.1	22.7

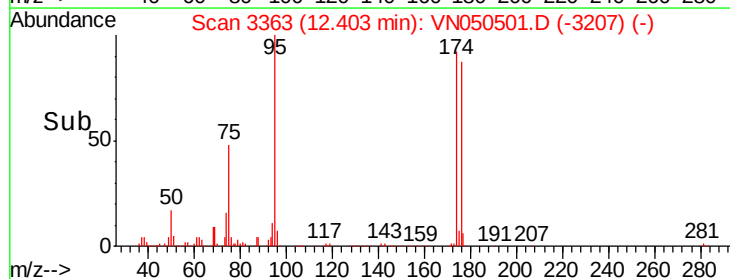
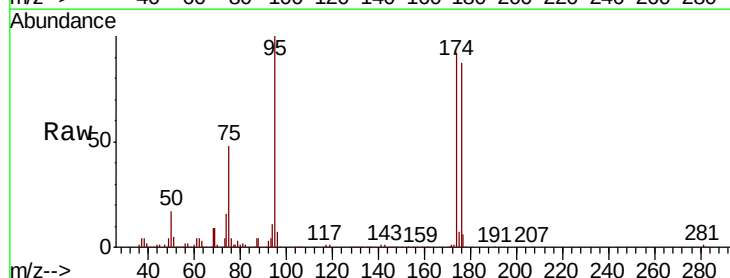
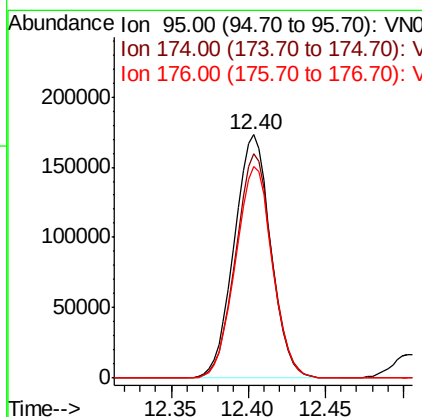
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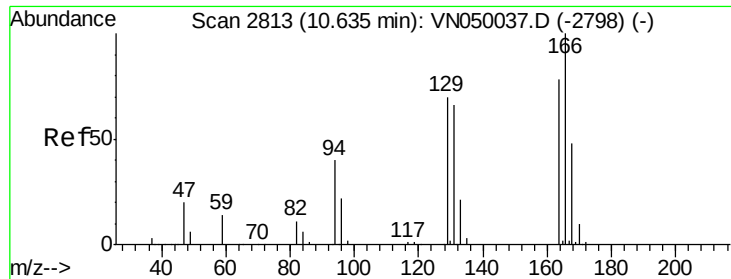
MMDadoda
8/10/2018 10:53:07 AM



#60
4-Bromofluorobenzene
Concen: 29.08 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.7	72.3	108.5
176	87.7	70.0	105.0





#61

Tetrachloroethene

Concen: 19.38 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS02

Tot Ion:164 Resp: 167028

Ion Ratio Lower Upper

164 100

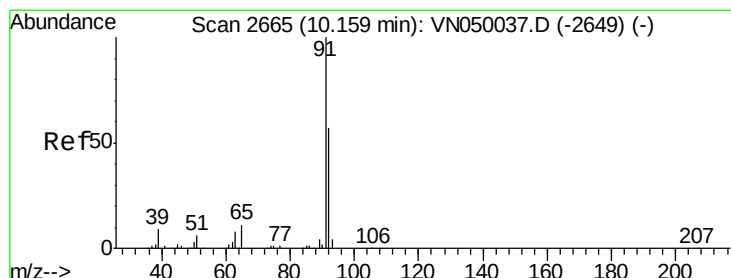
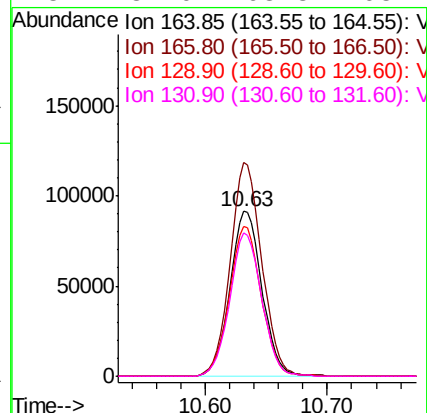
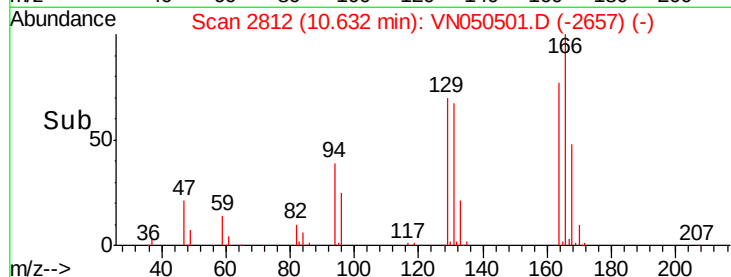
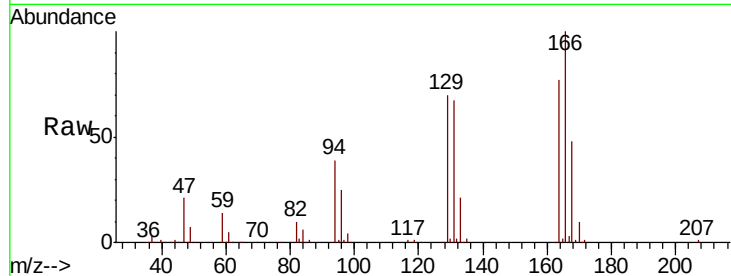
166 129.5 100.0 150.0

129 90.6 69.3 103.9

131 87.0 68.8 103.2

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#62

Toluene

Concen: 19.39 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050501.D

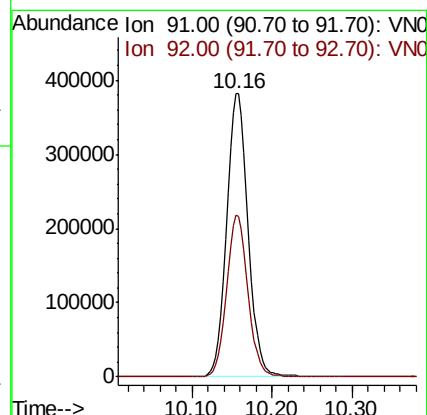
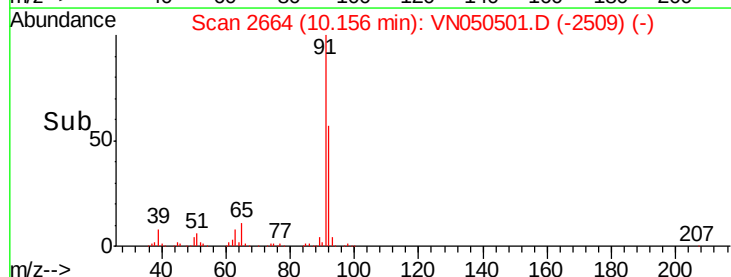
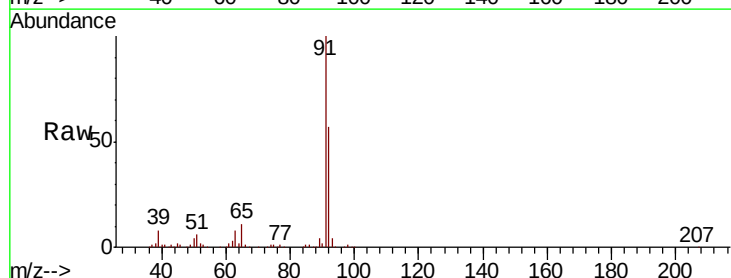
Acq: 9 Aug 2018 22:27

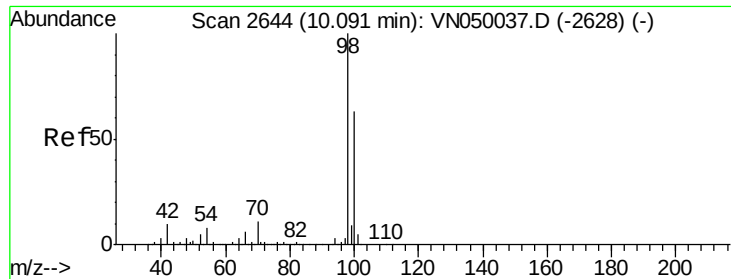
Tgt Ion: 91 Resp: 704142

Ion Ratio Lower Upper

91 100

92 56.9 45.7 68.5





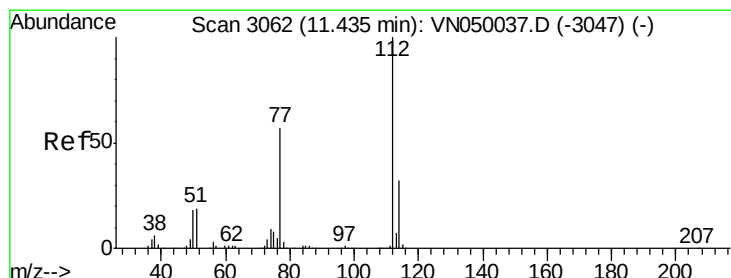
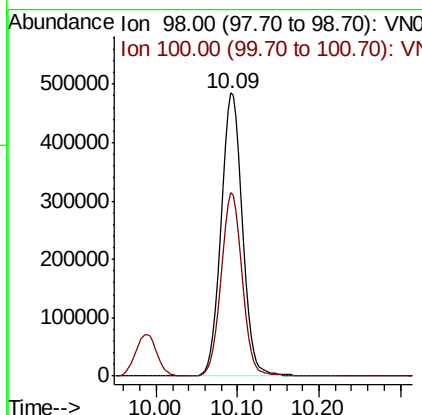
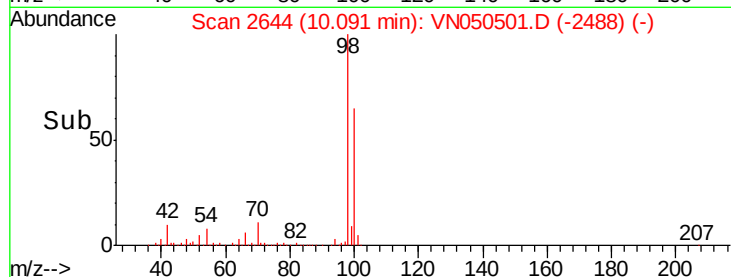
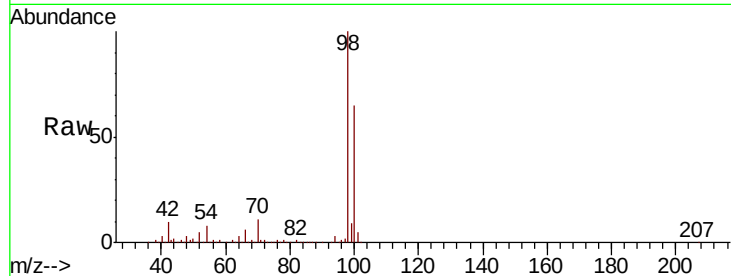
#63
Toluene-d8
Concen: 29.78 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampled :
VN0809WBS02

Tot Ion: 98 Resp: 905237
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8

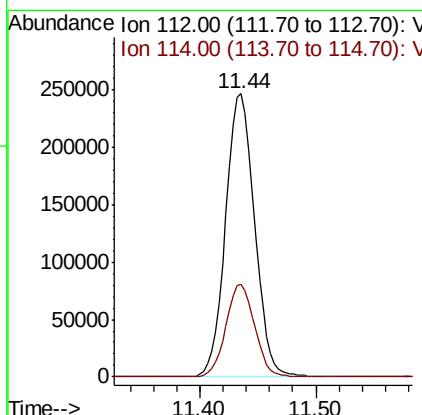
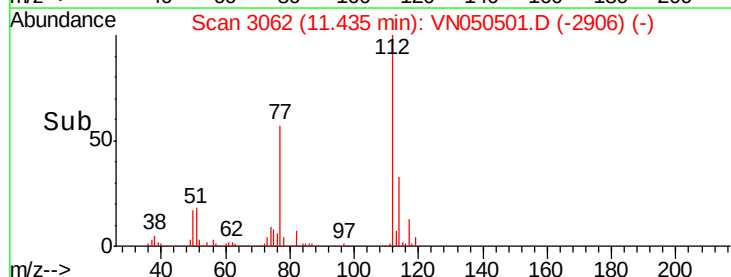
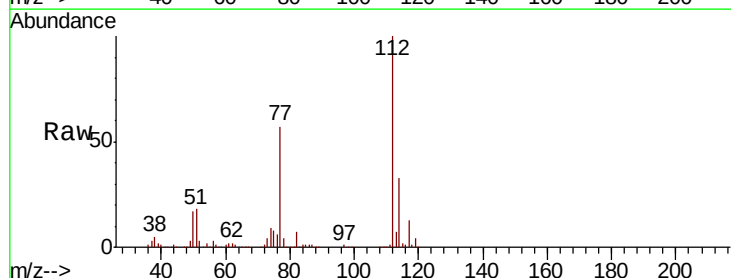
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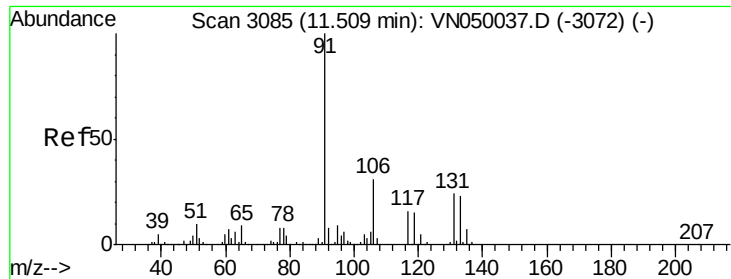
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#64
Chlorobenzene
Concen: 19.42 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion: 112 Resp: 427681
Ion Ratio Lower Upper
112 100
114 32.9 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.50 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Instrument :

MSVOA_N

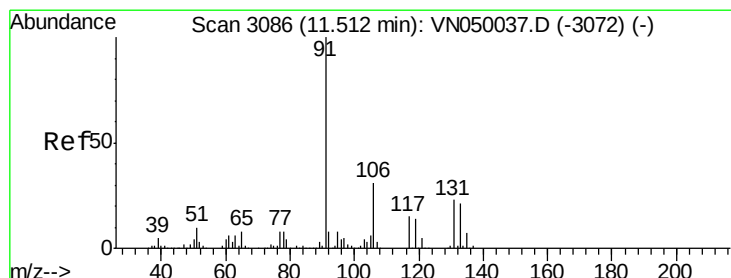
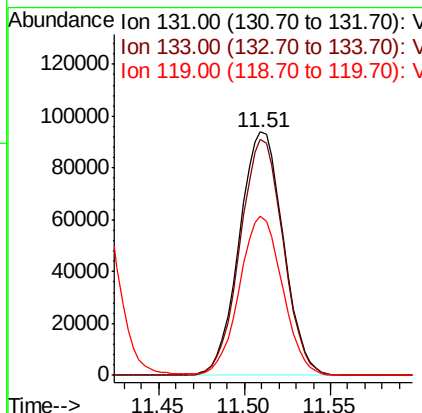
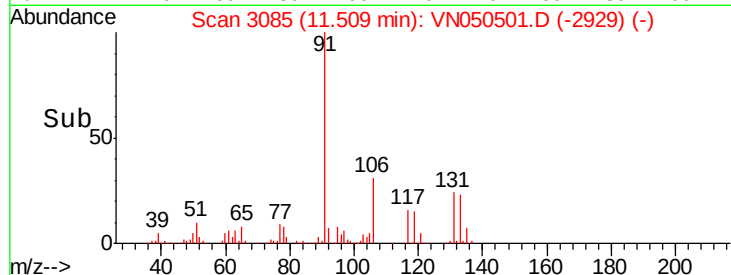
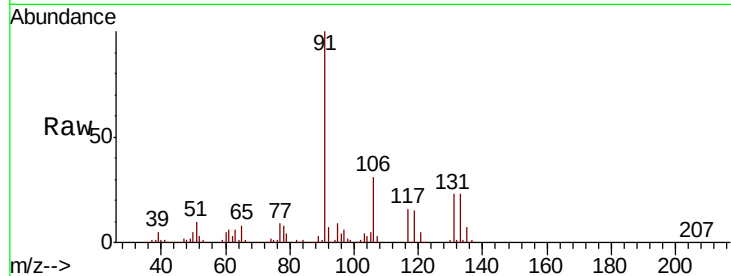
ClientSampled :

VN0809WBS02

Tot Ion:	131	Resp:	167430
Ion Ratio	Lower	Upper	
131	100		
133	95.0	0.0	190.0
119	63.8	0.0	131.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.92 ug/l

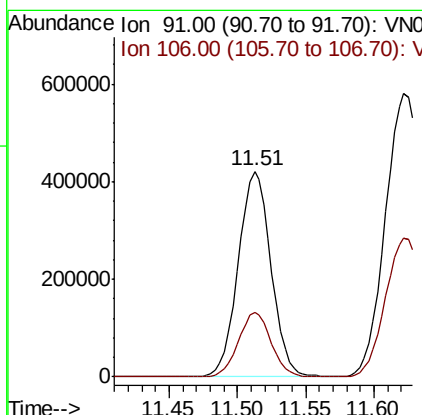
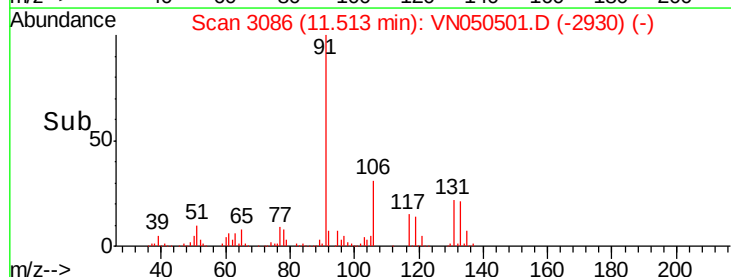
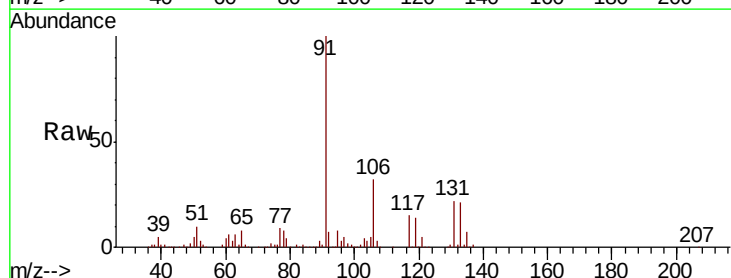
RT: 11.51 min Scan# 3086

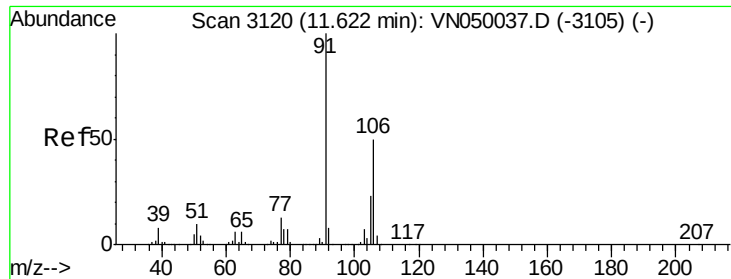
Delta R.T. 0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Tgt Ion:	91	Resp:	702233
Ion Ratio	Lower	Upper	
91	100		
106	31.5	25.1	37.7





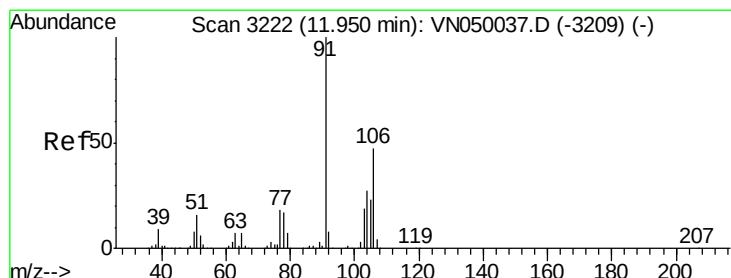
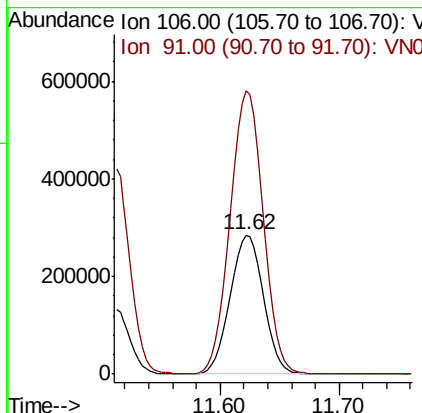
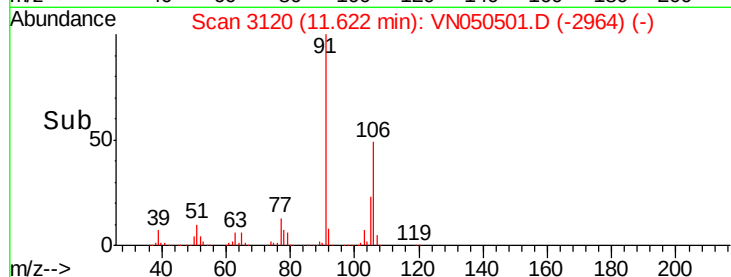
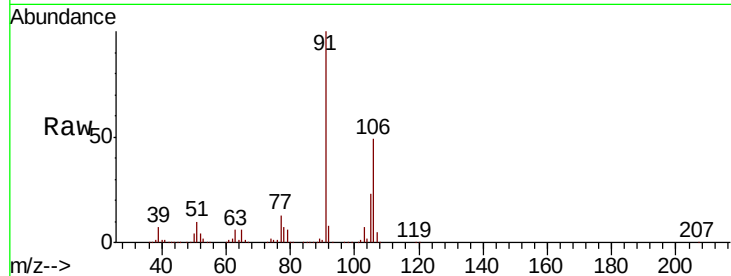
#67
m/p-Xylenes
Concen: 38.80 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	202.1	162.5	554128	243.7	

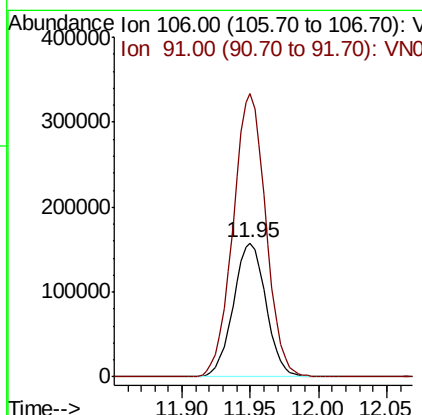
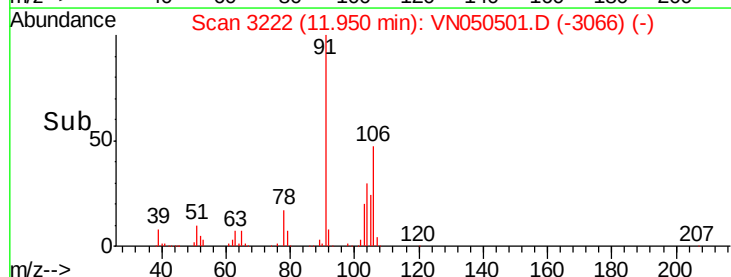
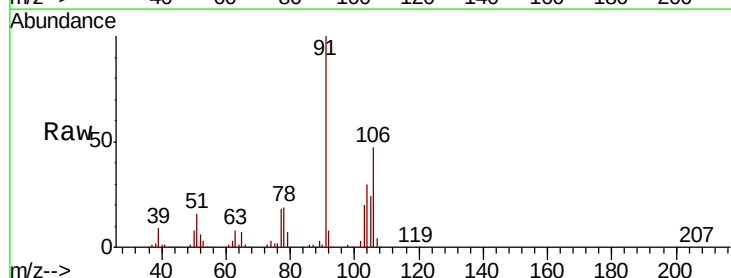
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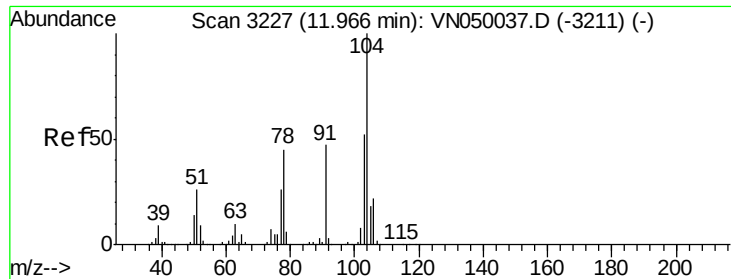
MMDadoda
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#68
o-Xylene
Concen: 19.33 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	211.1	106.8	262663	320.4	





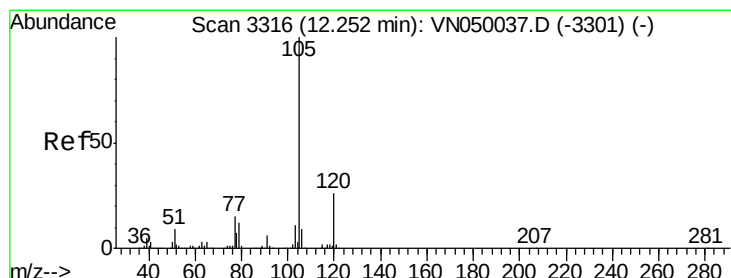
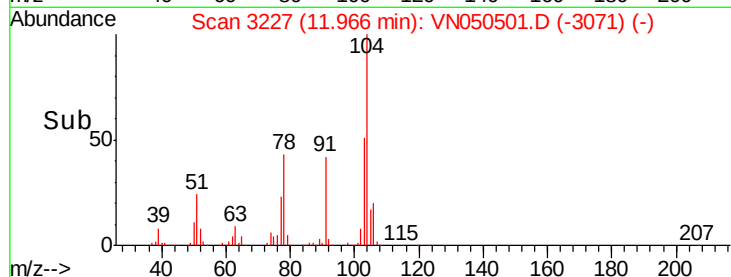
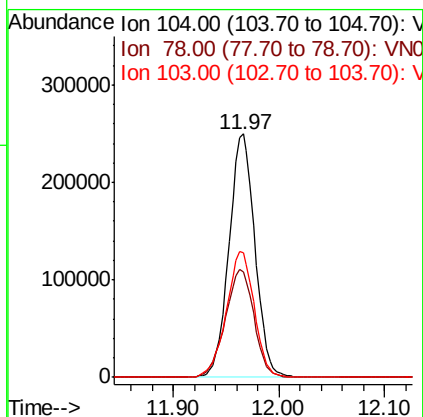
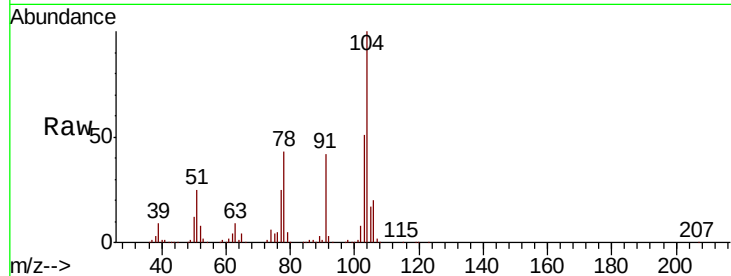
#69
Stvrene
Concen: 19.48 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS02

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.3	58.9
103	55.6	44.5	66.7

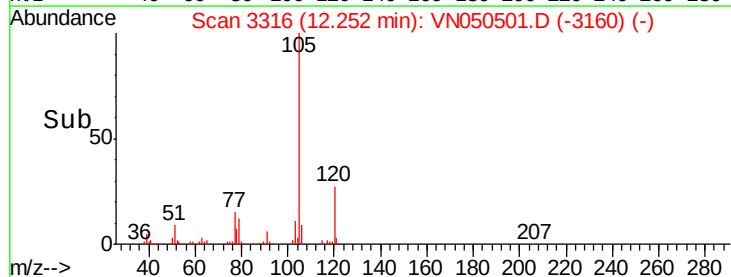
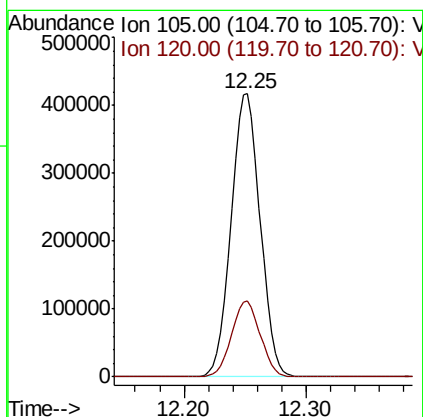
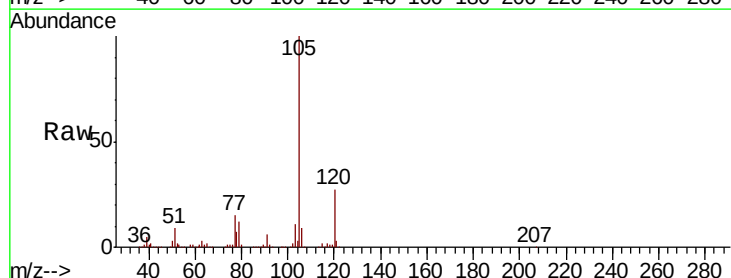
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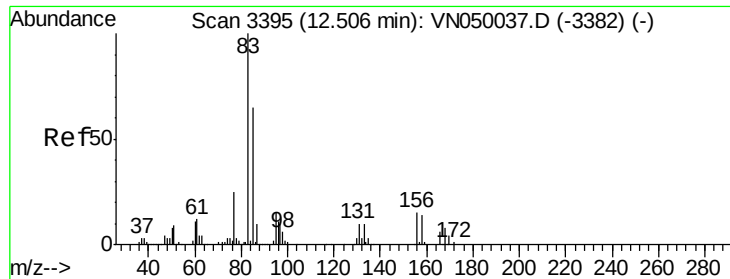
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#70
Isopropylbenzene
Concen: 19.07 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.9	35.1





#71

1,1,2,2-Tetrachloroethane

Concen: 18.26 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Instrument :

MSVOA_N

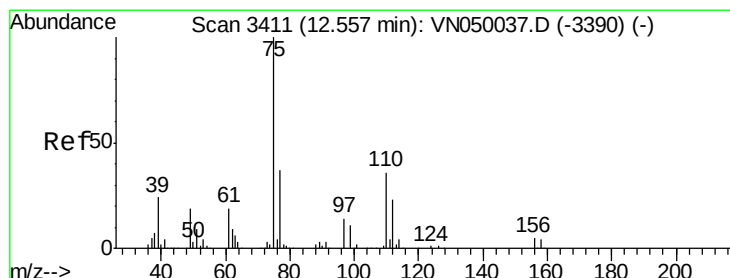
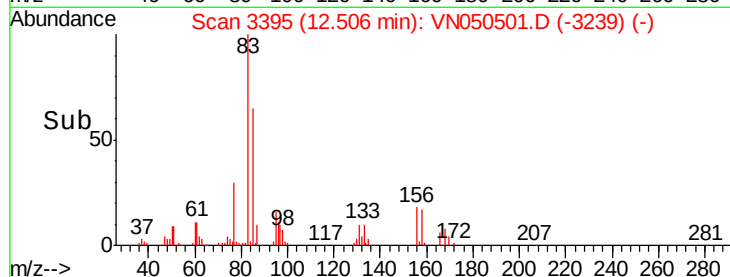
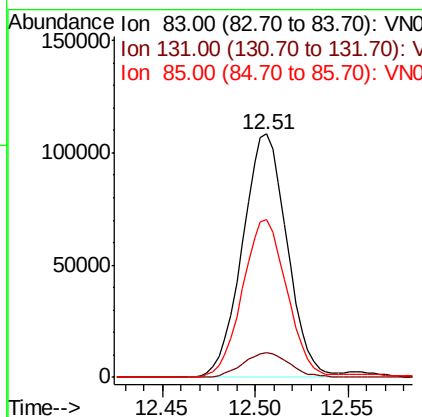
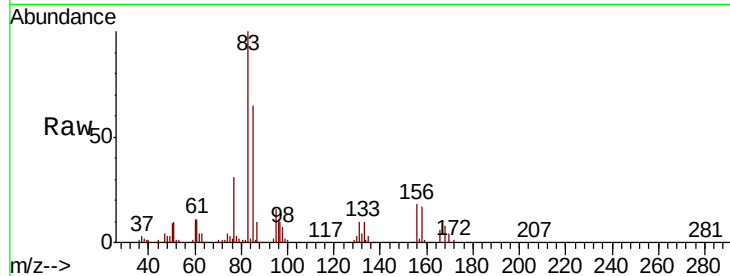
ClientSampleId :

VN0809WBS02

Tot Ion:	83	Resp:	181366
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.5	31.7	95.1

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#72

1,2,3-Trichloropropane

Concen: 16.91 ug/l m

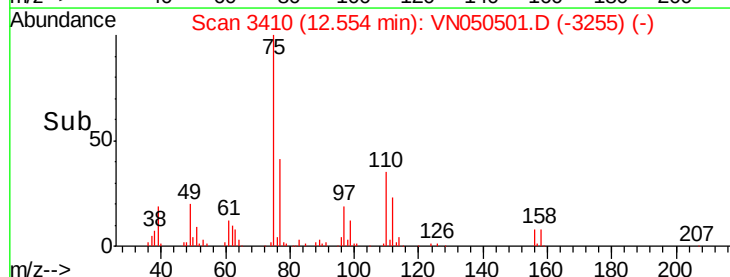
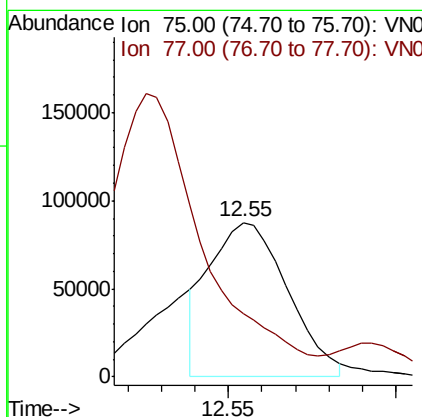
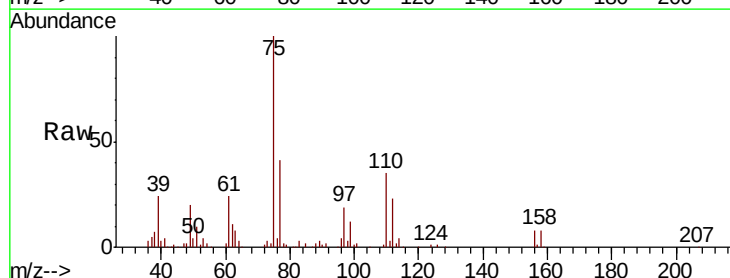
RT: 12.55 min Scan# 3410

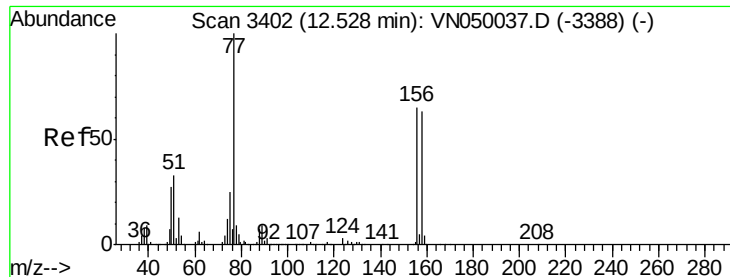
Delta R.T. -0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Tgt Ion:	75	Resp:	143481
Ion Ratio	Lower	Upper	
75	100		
77	226.0	0.0	454.4





#73

Bromobenzene

Concen: 18.85 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Instrument :

MSVOA_N

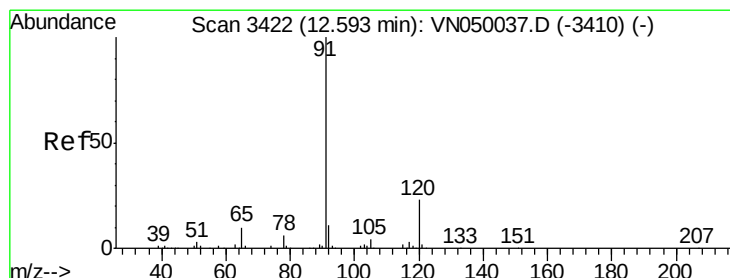
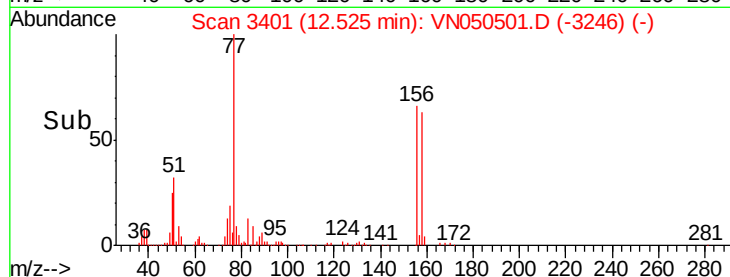
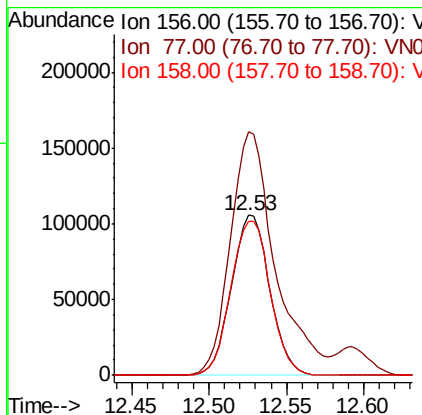
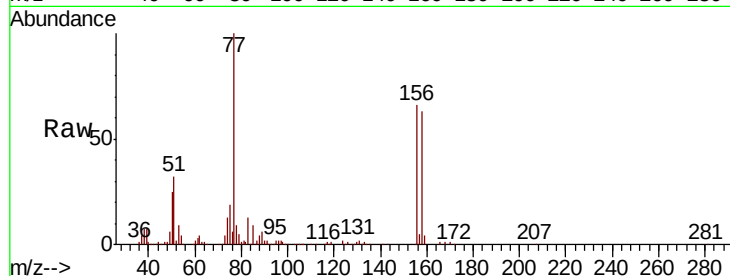
ClientSampleId :

VN0809WBS02

Tot Ion:	156	Resp:	181741
Ion Ratio	Lower	Upper	
156	100		
77	178.4	0.0	359.8
158	98.7	0.0	192.8

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#74

n-propylbenzene

Concen: 18.39 ug/l

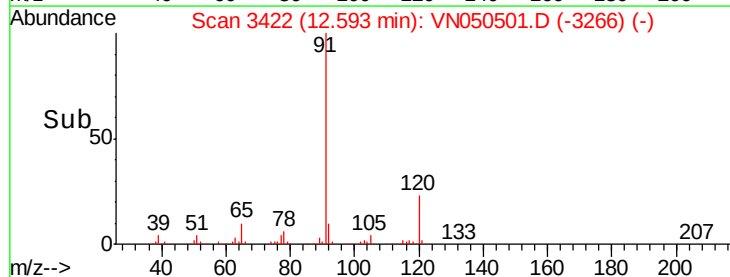
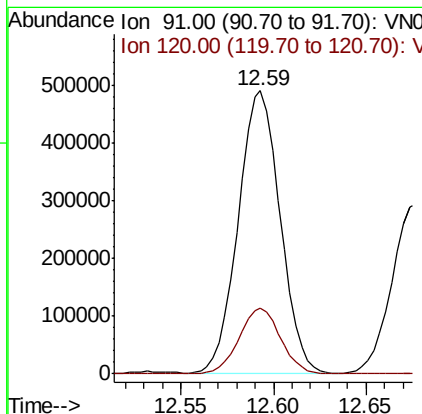
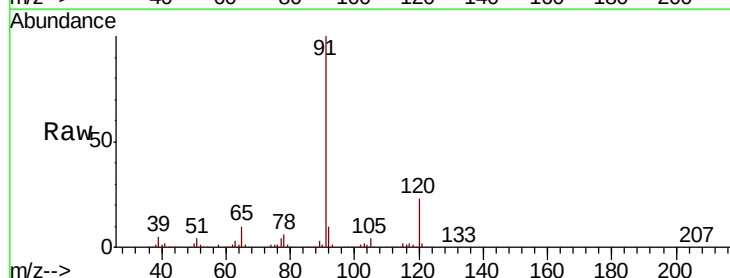
RT: 12.59 min Scan# 3422

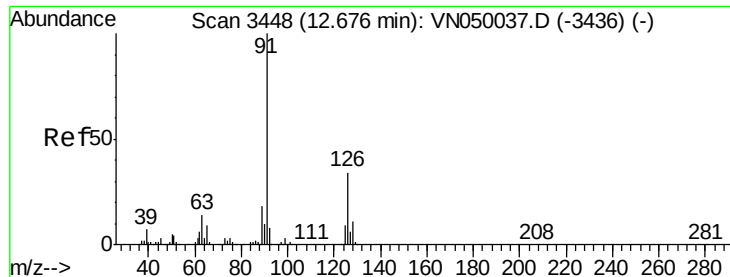
Delta R.T. 0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Tgt Ion:	91	Resp:	775136
Ion Ratio	Lower	Upper	
91	100		
120	23.0	0.0	46.4





#75

2-Chlorotoluene

Concen: 19.09 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS02

Tot Ion: 91 Resp: 483309

Ion Ratio Lower Upper

91 100

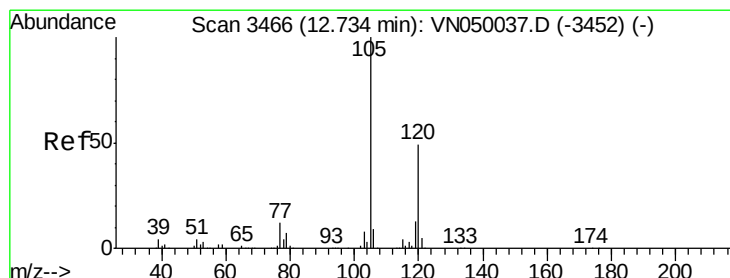
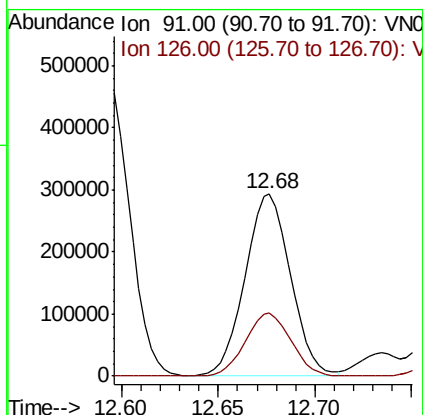
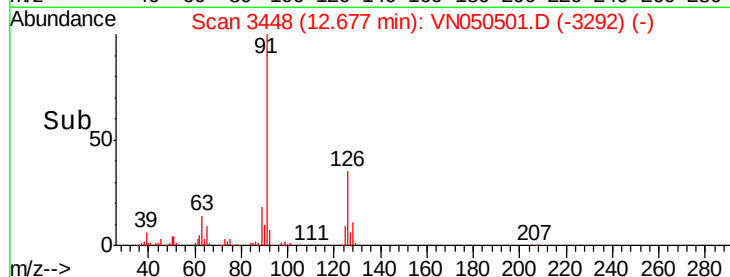
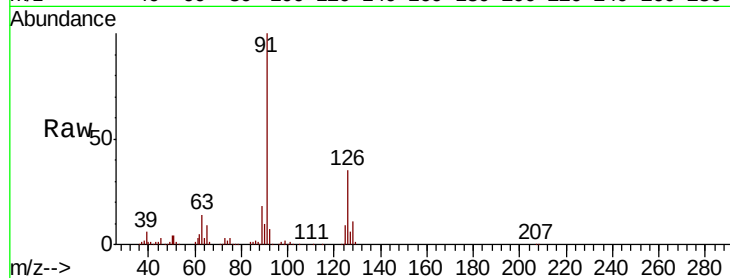
126 34.6 0.0 68.6

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.21 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050501.D

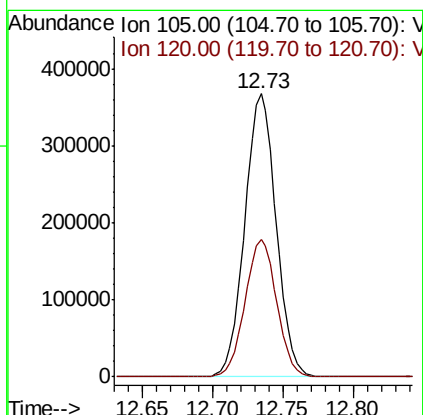
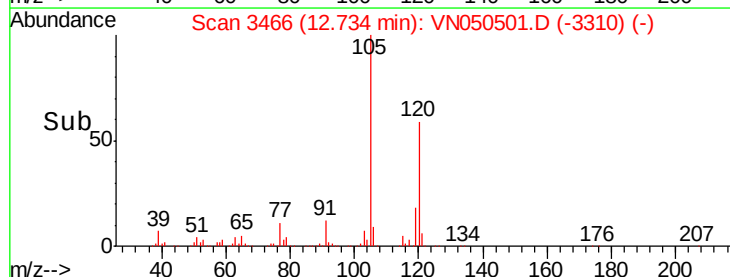
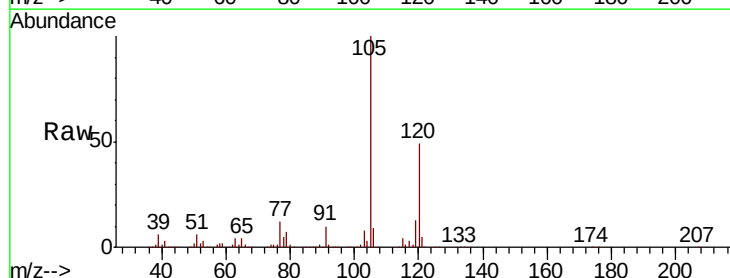
Acq: 9 Aug 2018 22:27

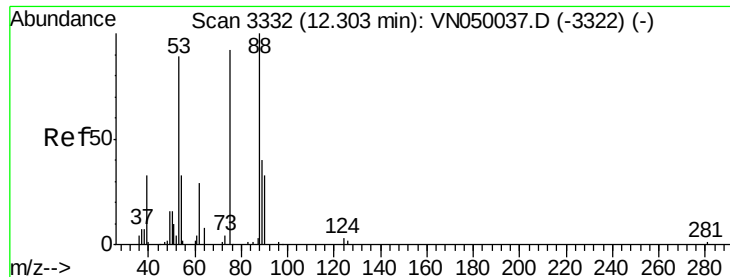
Tgt Ion:105 Resp: 570855

Ion Ratio Lower Upper

105 100

120 49.0 0.0 98.0





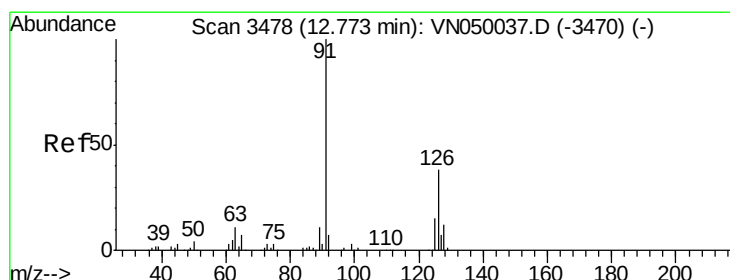
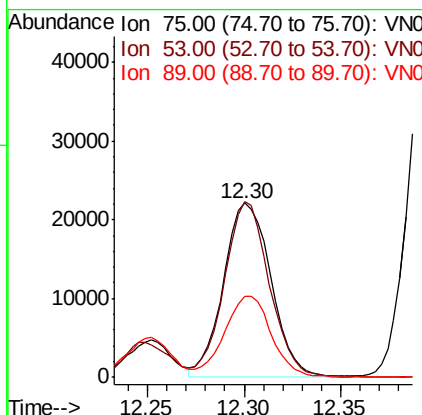
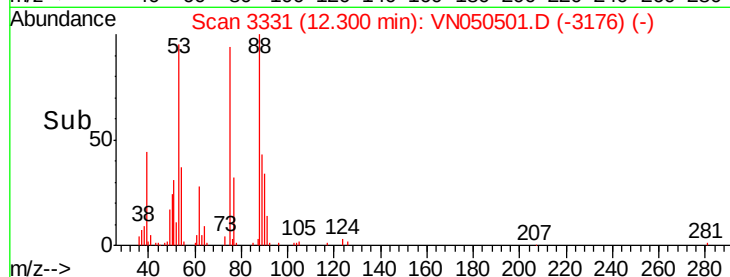
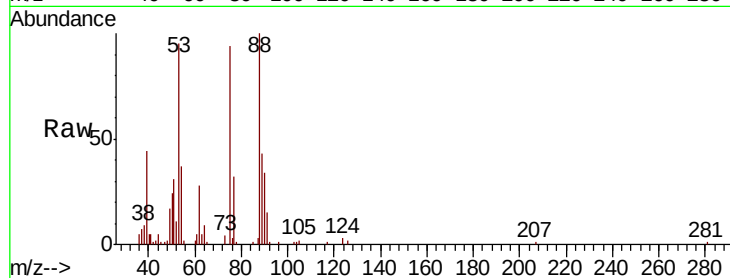
#77
t-1,4-Dichloro-2-butene
Concen: 13.70 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampled :
VN0809WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.9	44.6	134.0
89	46.1	20.7	62.1

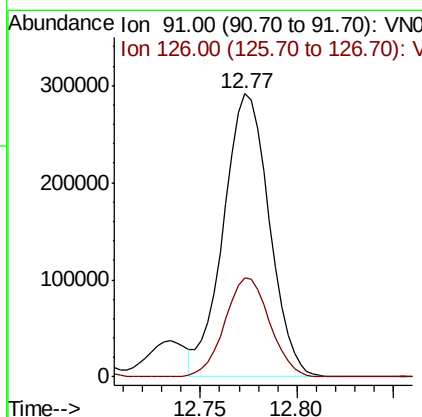
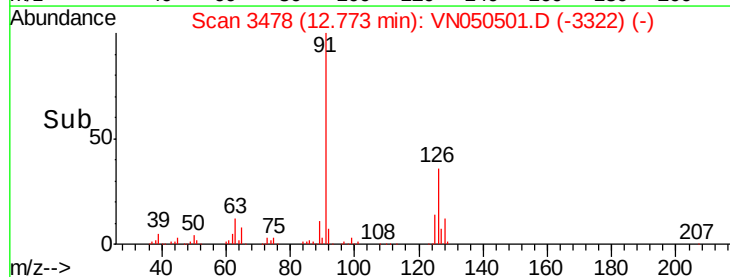
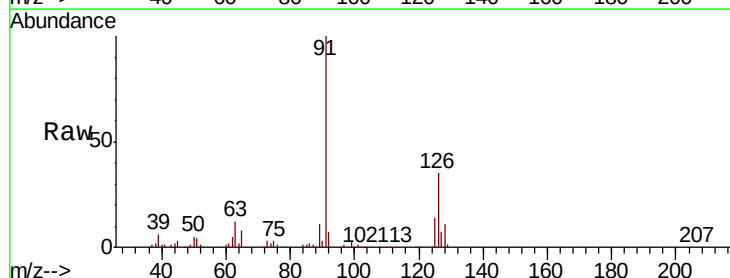
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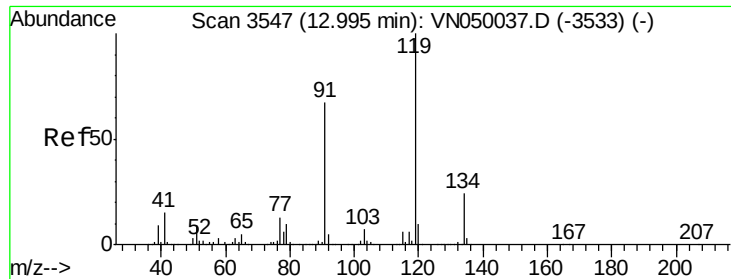
MMDadoda
8/10/2018 10:53:07 AM



#78
4-Chlorotoluene
Concen: 19.17 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	68.4





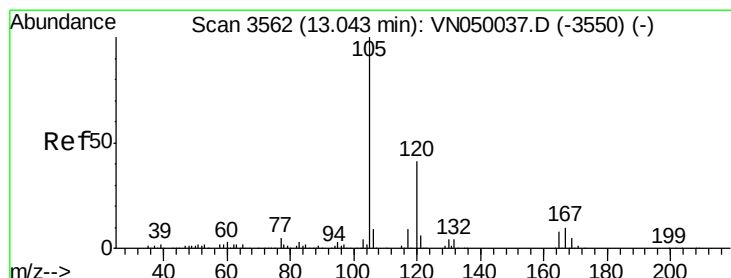
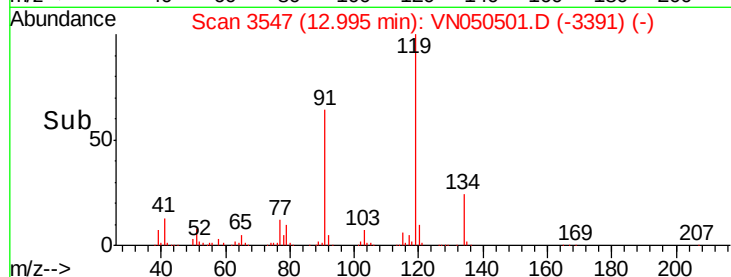
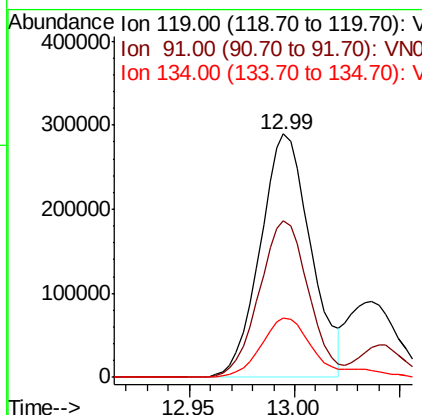
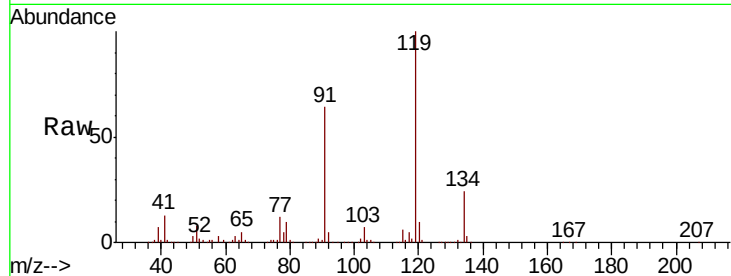
#79
tert-butylbenzene
Concen: 18.96 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	481687		
91	63.2		0.0	126.8
134	24.2		0.0	47.4

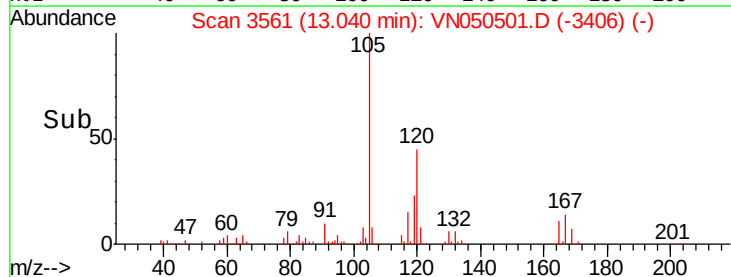
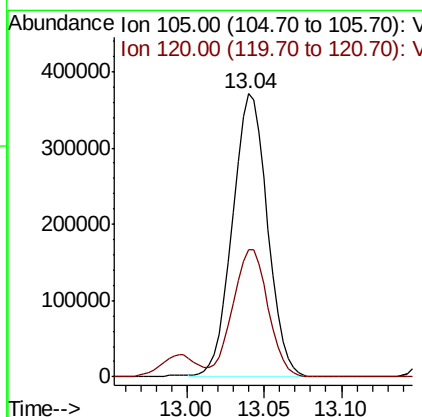
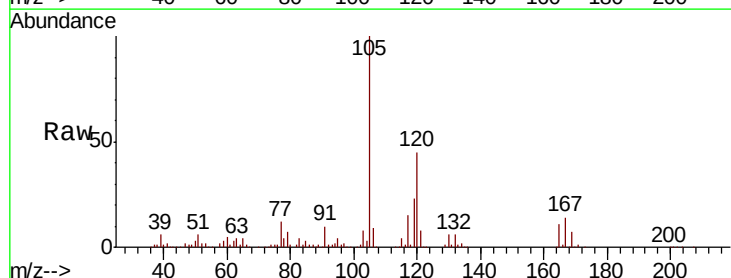
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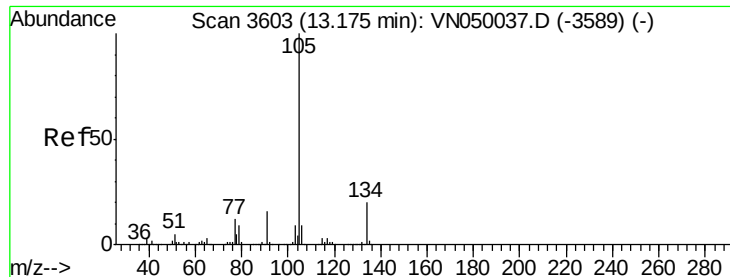
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#80
1,2,4-Trimethylbenzene
Concen: 19.34 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	582435		
120	45.4		0.0	90.6





#81

sec-Butylbenzene

Concen: 18.33 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Instrument :

MSVOA_N

ClientSampled :

VN0809WBS02

Tot Ion:105 Resp: 632865

Ion Ratio Lower Upper

105 100

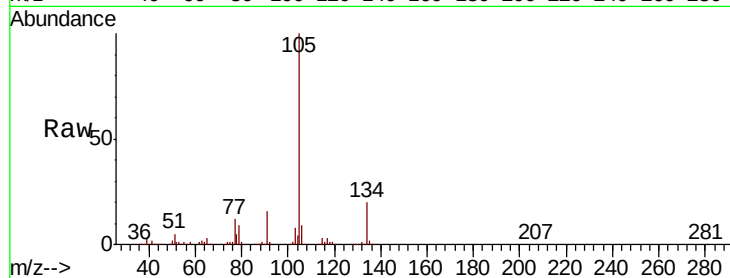
134 20.4 0.0 40.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

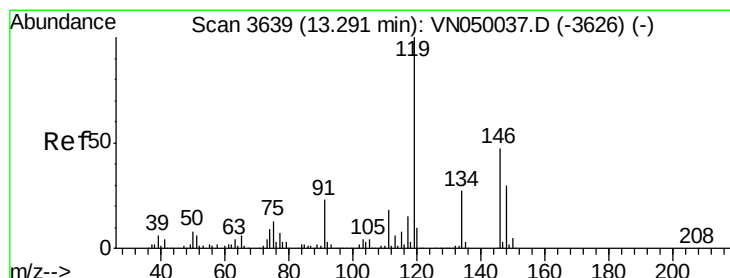
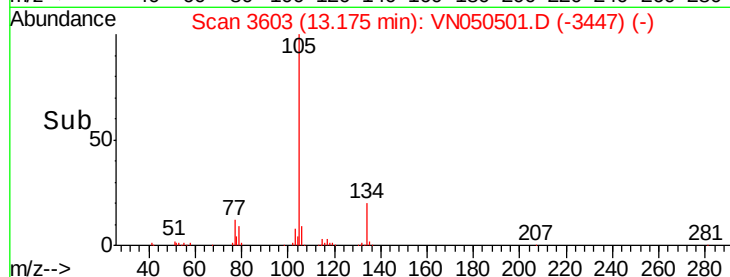
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#82

p-Isopropyltoluene

Concen: 18.33 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

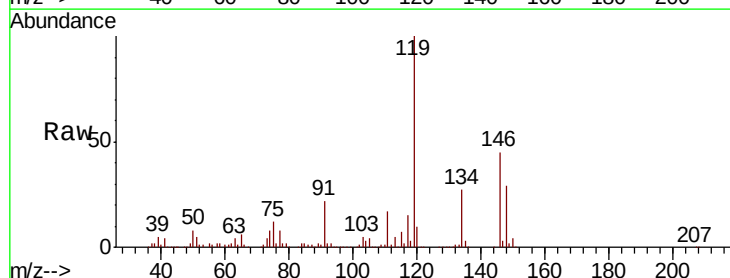
Tgt Ion:119 Resp: 539995

Ion Ratio Lower Upper

119 100

134 27.0 0.0 52.2

91 22.6 0.0 45.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

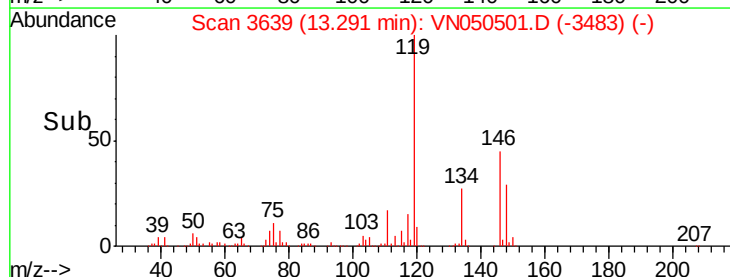
300000

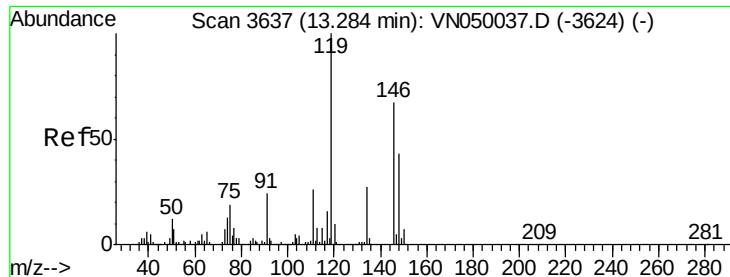
200000

100000

0

Time--> 13.25 13.30 13.35





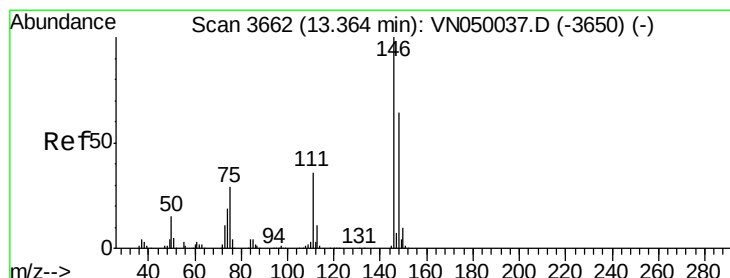
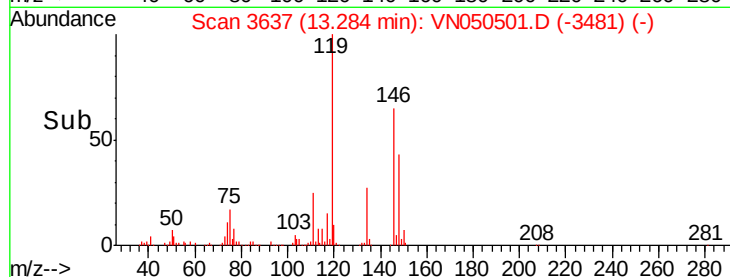
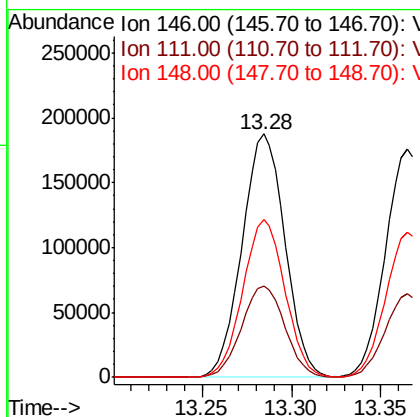
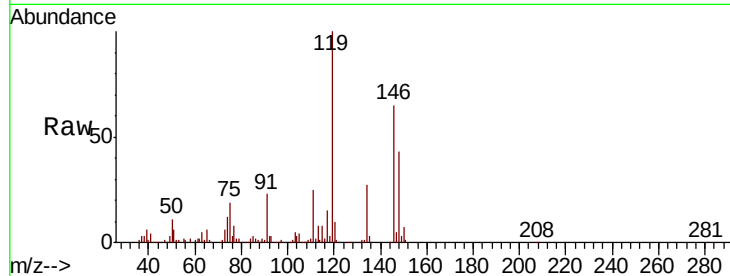
#83
 1,3-Dichlorobenzene
 Concen: 18.79 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	63.7	31.9	95.9

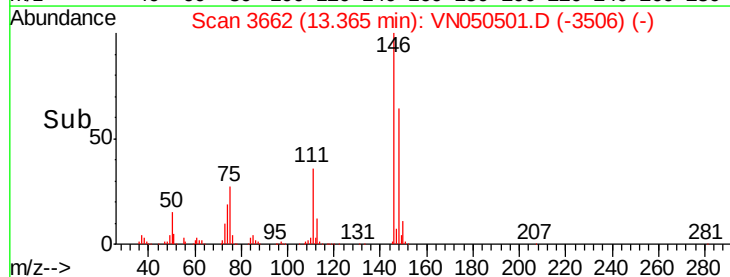
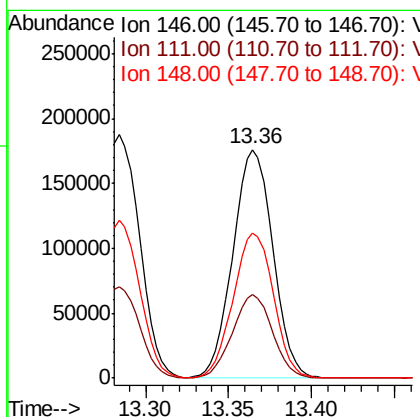
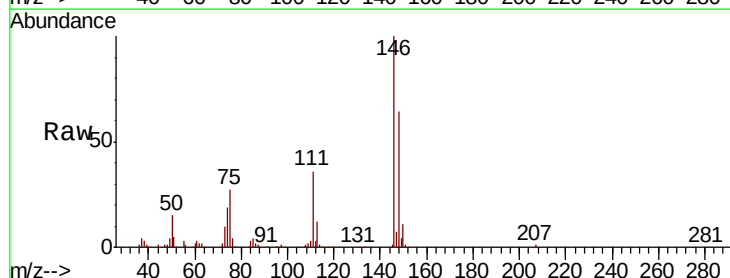
Manual Integrations
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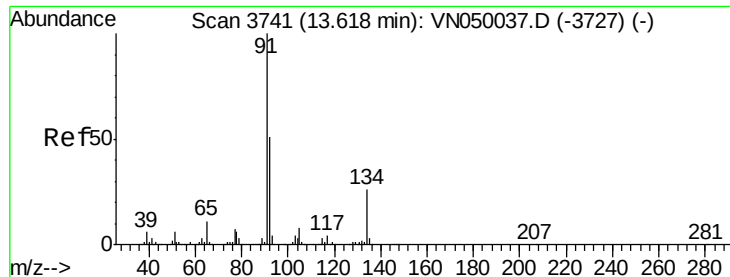
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#84
 1,4-Dichlorobenzene
 Concen: 18.66 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	17.9	53.8
148	63.9	32.4	97.0





#85

n-Butylbenzene

Concen: 16.84 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Instrument :

MSVOA_N

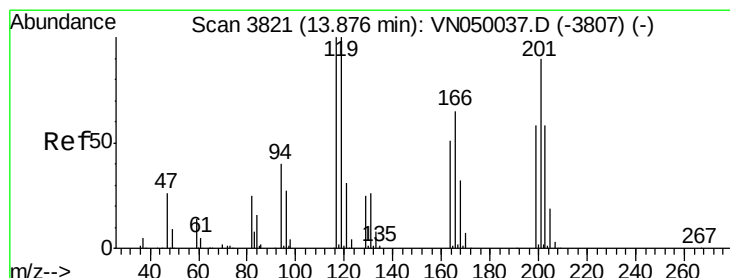
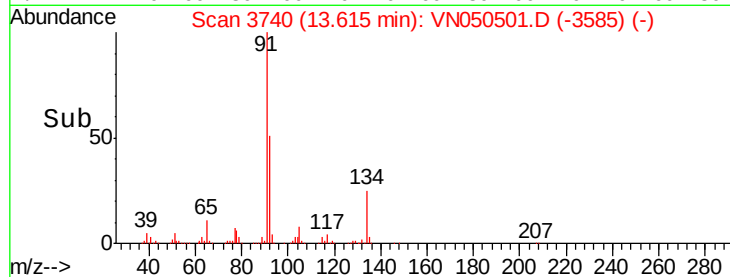
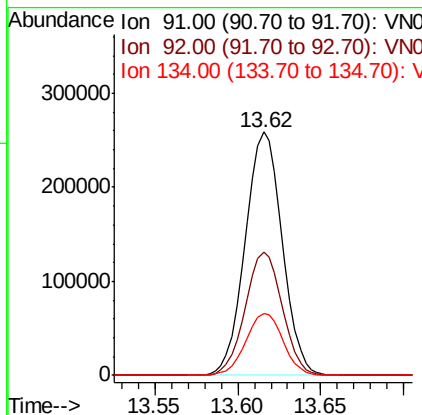
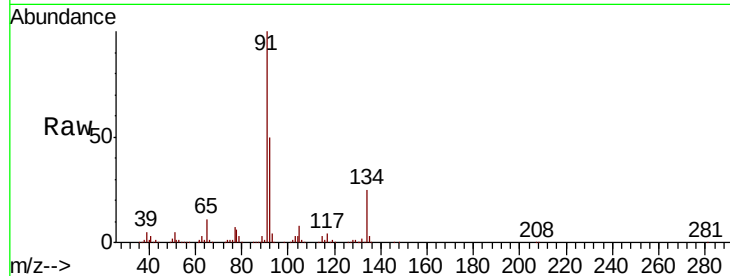
ClientSampled :

VN0809WBS02

Tot Ion:	91	Resp:	402419
Ion	Ratio	Lower	Upper
91	100		
92	50.8	0.0	102.8
134	25.8	0.0	51.0

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#86

Hexachloroethane

Concen: 15.86 ug/l

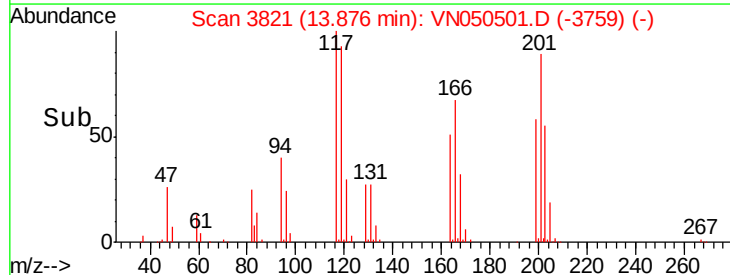
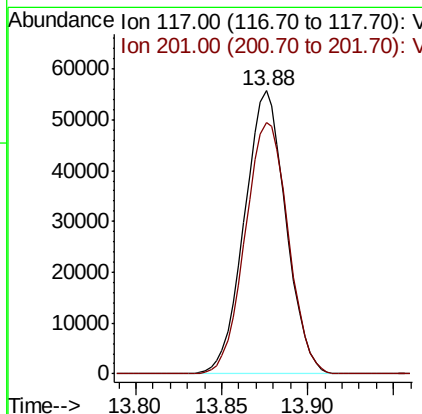
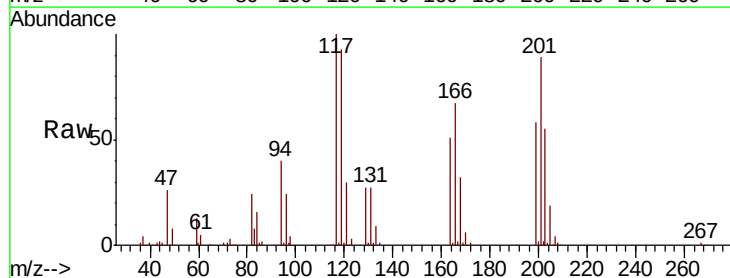
RT: 13.88 min Scan# 3821

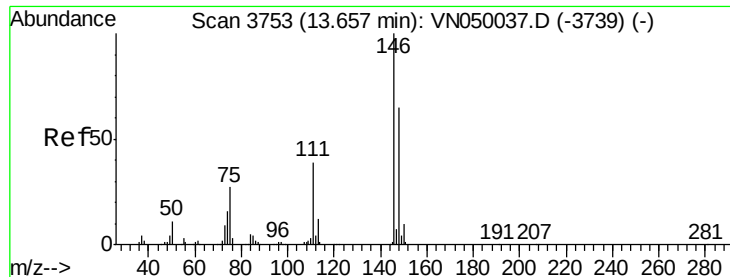
Delta R.T. 0.00 min

Lab File: VN050501.D

Acq: 9 Aug 2018 22:27

Tgt Ion:	117	Resp:	93339
Ion	Ratio	Lower	Upper
117	100		
201	91.9	46.6	139.7





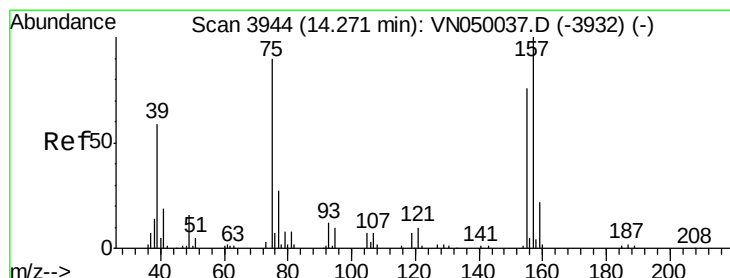
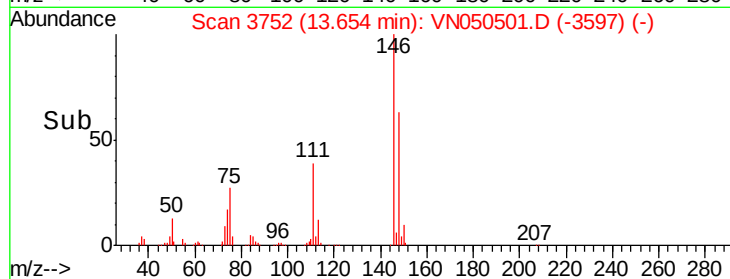
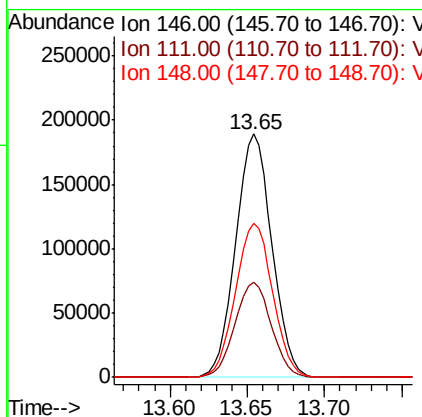
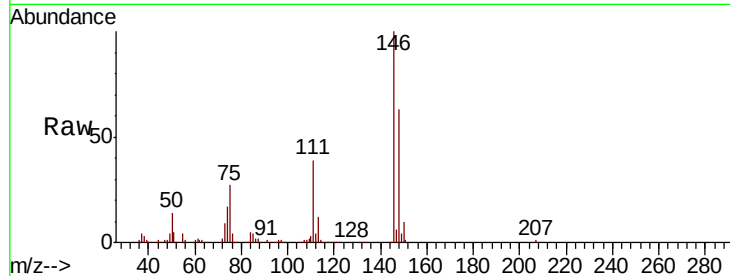
#87
 1,2-Dichlorobenzene
 Concen: 18.75 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS02

Tot Ion:	146	Resp:	307681
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.8	59.3
148	65.0	31.8	95.3

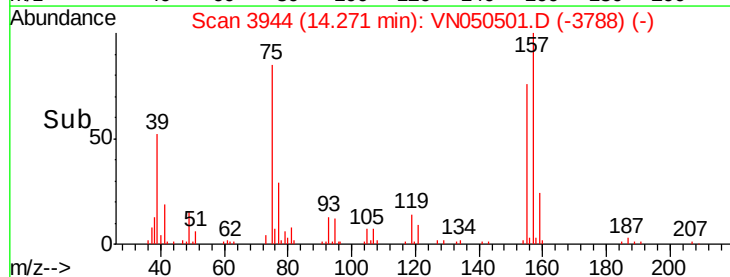
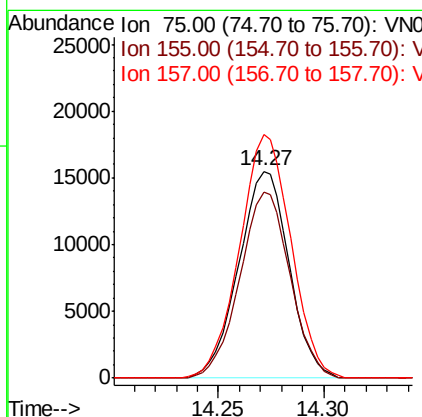
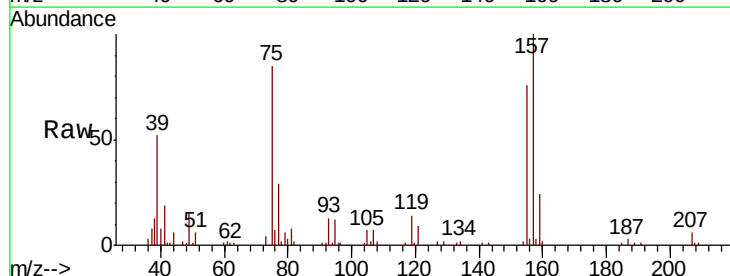
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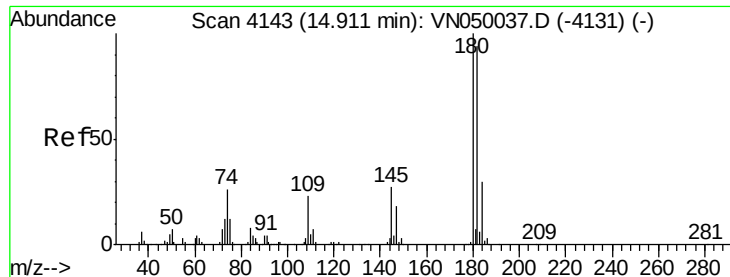
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.61 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Tgt Ion:	75	Resp:	25710
Ion Ratio	Lower	Upper	
75	100		
155	89.5	73.0	109.6
157	120.2	94.9	142.3





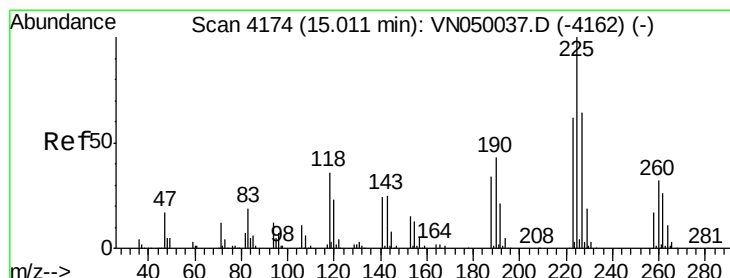
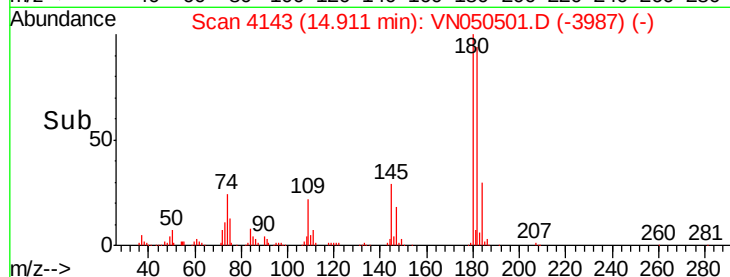
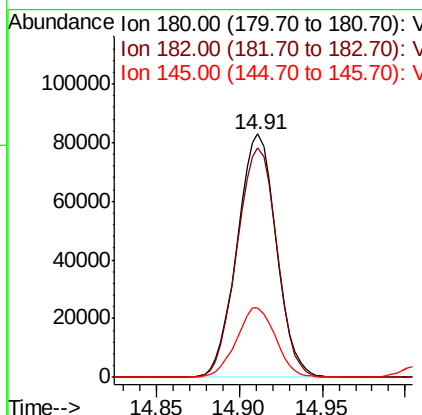
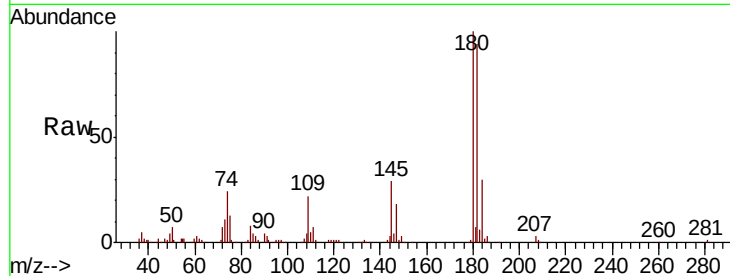
#89
 1,2,4-Trichlorobenzene
 Concen: 17.44 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
145	28.7	23.4	35.0

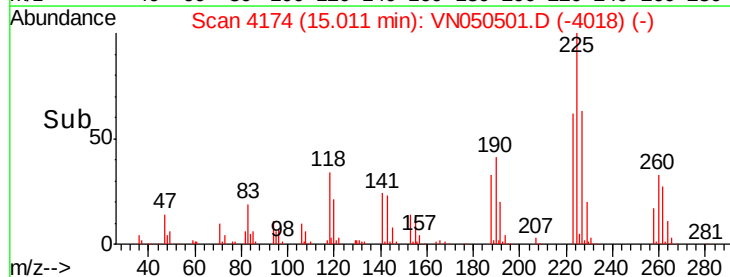
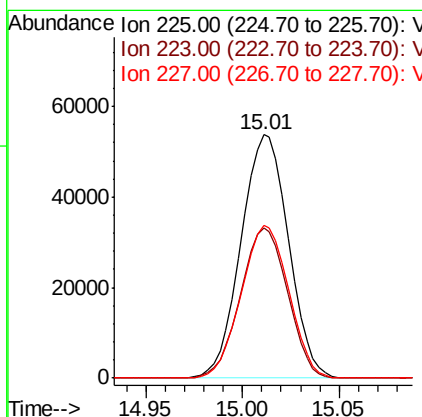
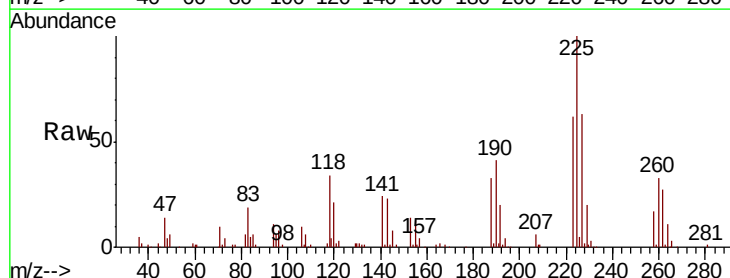
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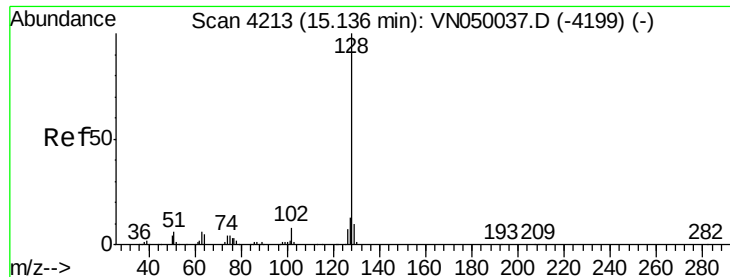
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#90
 Hexachlorobutadiene
 Concen: 17.77 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050501.D
 Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	0.0	124.4
227	62.6	0.0	133.0





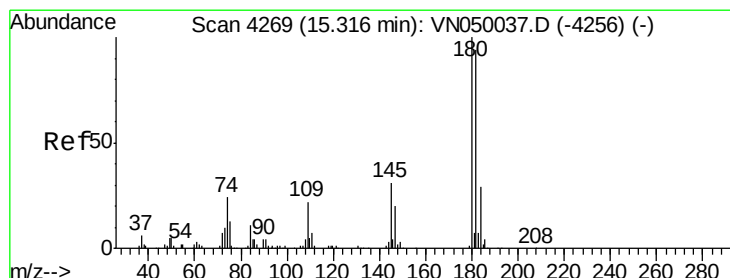
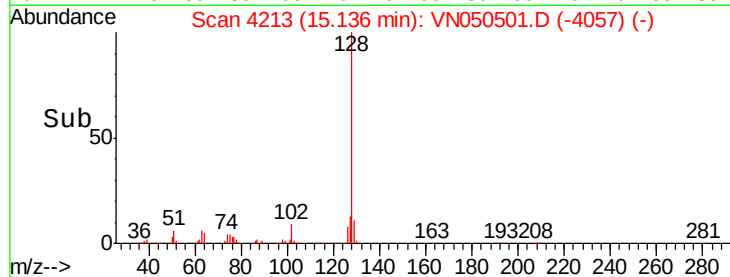
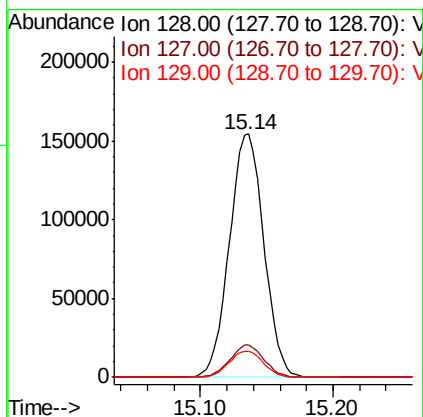
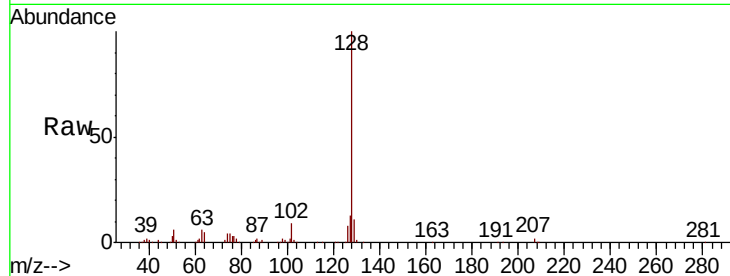
#91
Naphthalene
Concen: 18.99 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.7	9.0	13.4

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 17.49 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050501.D
Acq: 9 Aug 2018 22:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	0.0	188.8
145	29.9	0.0	60.8

