

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
 Data File : VN051043.D
 Acq On : 7 Sep 2018 9:35
 Operator : MD\SY
 Sample : VN0907WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:53:05 AM

Quant Time: Sep 07 16:55:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	140944	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	737465	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	669587	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	266997	29.69	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.97%
60) 4-Bromofluorobenzene	12.40	95	297055	29.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.43%
63) Toluene-d8	10.09	98	942024	30.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.57%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	146407	16.73	ug/l	97
3) Chloromethane	2.06	50	171499	16.59	ug/l	99
4) Vinyl Chloride	2.18	62	174165	17.05	ug/l	99
5) Bromomethane	2.55	94	126831	20.38	ug/l	97
6) Chloroethane	2.70	64	104838	17.40	ug/l	100
7) Trichlorofluoromethane	3.01	101	241352	17.83	ug/l	97
8) Diethyl Ether	3.41	74	85967	18.01	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	150722	17.98	ug/l	98
10) 1,1-Dichloroethene	3.73	96	133044	17.47	ug/l	99
11) Methyl Iodide	3.95	142	87096	12.26	ug/l	99
12) Methyl Acetate	4.33	43	201196	22.85	ug/l	97
13) Acrolein	3.61	56	39396	202.03	ug/l	93
14) Acrylonitrile	5.00	53	279890	94.00	ug/l	97
15) Acetone	3.82	58	69636	91.40	ug/l	97
16) Carbon Disulfide	4.05	76	367030	16.03	ug/l	99
17) Allyl chloride	4.32	41	203627	16.99	ug/l	99
18) Methylene Chloride	4.55	84	160155	17.92	ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	140238	17.28	ug/l	100
20) Diisopropyl ether	5.95	45	455511	18.31	ug/l	99
21) 1,1-Dichloroethane	5.85	63	272334	17.86	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	161844	17.66	ug/l	98
23) tert-Butyl Alcohol	4.80	59	60833	96.07	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	381024	18.29	ug/l	99
25) Chloroform	7.37	83	277290	18.22	ug/l	99
26) Cyclohexane	7.65	56	209640	16.59	ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	198283	17.96	ug/l	100
30) 2-Butanone	6.84	43	309455	91.11	ug/l	100
31) 2,2-Dichloropropane	6.82	77	206528	19.22	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	233448	18.65	ug/l	99
33) Carbon Tetrachloride	7.77	117	207706	18.42	ug/l	98
34) Benzene	8.04	78	632476	18.52	ug/l	98
35) Methacrylonitrile	7.18	41	66558m	17.89	ug/l	
36) 1,2-Dichloroethane	8.13	62	196777	19.05	ug/l	99
37) Trichloroethene	8.84	130	166995	18.71	ug/l	98
38) Methylcyclohexane	9.08	83	201239	16.97	ug/l	99
39) 1,2-Dichloropropane	9.12	63	168853	18.93	ug/l	98
40) Dibromomethane	9.21	93	103754	19.31	ug/l	96

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 Misc : 5.00mL/MSVOA N/WATER
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Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	213446	18.84	ug/l	98
42) Vinyl Acetate	5.90	43	1345024	85.98	ug/l	100
43) Ethyl Acetate	6.93	43	126335	18.16	ug/l	98
44) Isopropyl Acetate	8.17	43	229045	18.66	ug/l	98
45) 1,4-Dioxane	9.20	88	34754	381.06	ug/l	95
46) Methyl methacrylate	9.20	41	117943	19.18	ug/l	96
47) n-amyl Acetate	12.07	43	178996	18.13	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	204971	18.46	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	239263	18.76	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	151777	19.44	ug/l	99
51) Ethyl methacrylate	10.43	69	174984	18.32	ug/l	99
52) 1,3-Dichloropropane	10.71	76	249520	19.29	ug/l	99
53) Dibromochloromethane	10.90	129	168563	18.99	ug/l	100
54) 1,2-Dibromoethane	11.01	107	144471	18.71	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	313752	78.94	ug/l	100
56) Bromoform	12.13	173	122368	19.38	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	700063	91.38	ug/l	99
59) 2-Hexanone	10.75	43	453978	90.66	ug/l	99
61) Tetrachloroethene	10.63	164	153575	18.41	ug/l	99
62) Toluene	10.16	91	679501	18.19	ug/l	100
64) Chlorobenzene	11.43	112	427554	18.47	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	163705	18.73	ug/l	99
66) Ethyl Benzene	11.51	91	684478	17.69	ug/l	100
67) m/p-Xylenes	11.62	106	551141	37.02	ug/l	99
68) o-Xylene	11.95	106	261911	18.41	ug/l	98
69) Styrene	11.96	104	418659	18.51	ug/l	99
70) Isopropylbenzene	12.25	105	696108	18.42	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	195418	19.09	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	144728m	16.39	ug/l	
73) Bromobenzene	12.53	156	185028	18.60	ug/l	99
74) n-propylbenzene	12.59	91	787089	18.42	ug/l	99
75) 2-Chlorotoluene	12.67	91	485559	18.70	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	580478	18.79	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	44938	17.86	ug/l	98
78) 4-Chlorotoluene	12.77	91	474312	18.55	ug/l	99
79) tert-butylbenzene	12.99	119	499419	18.62	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	585019	19.00	ug/l	100
81) sec-Butylbenzene	13.17	105	656749	18.71	ug/l	99
82) p-Isopropyltoluene	13.29	119	568723	18.77	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	310188	18.45	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	290786	18.25	ug/l	98
85) n-Butylbenzene	13.62	91	415920	17.99	ug/l	100
86) Hexachloroethane	13.88	117	106114	18.25	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	311821	18.84	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27956	19.52	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	121606	16.50	ug/l	99
90) Hexachlorobutadiene	15.01	225	104723	20.92	ug/l	98
91) Naphthalene	15.13	128	233996	18.74	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	128310	17.35	ug/l	99

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QLast Update : Wed Aug 29 01:38:44 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



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

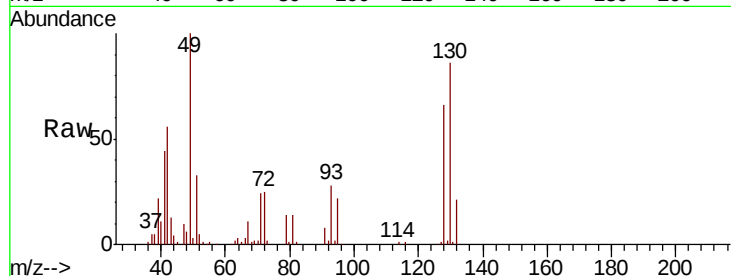
ClientSampled :

VN0907WBS01

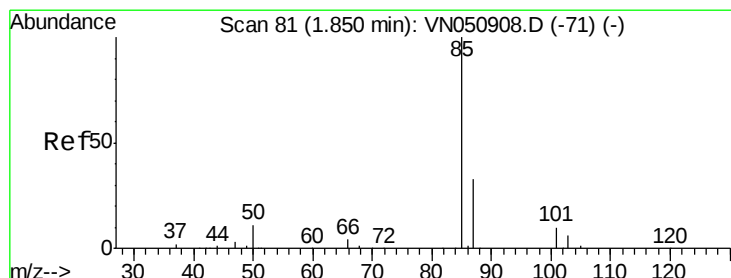
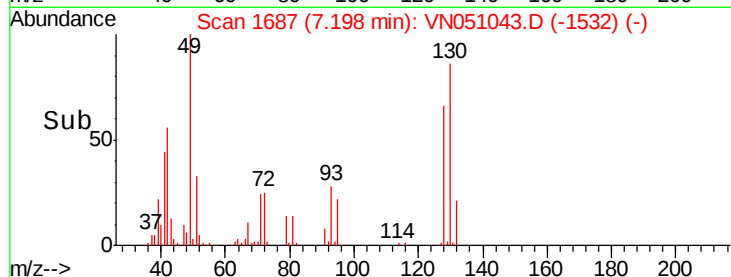
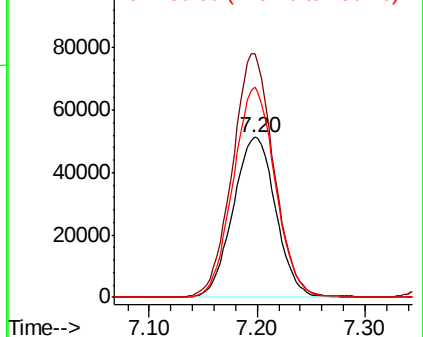
Tot Ion:	128	Resp:	140944
Ion	Ratio	Lower	Upper
128	100		
49	148.1	0.0	380.3
130	129.5	0.0	325.3

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 16.73 ug/l

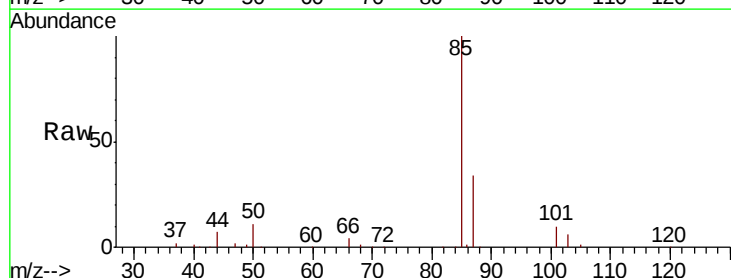
RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

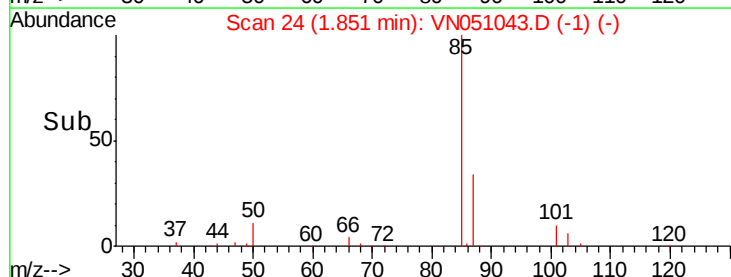
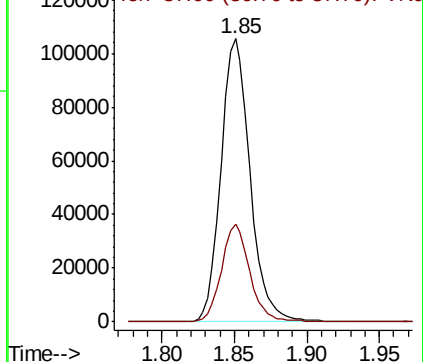
Lab File: VN051043.D

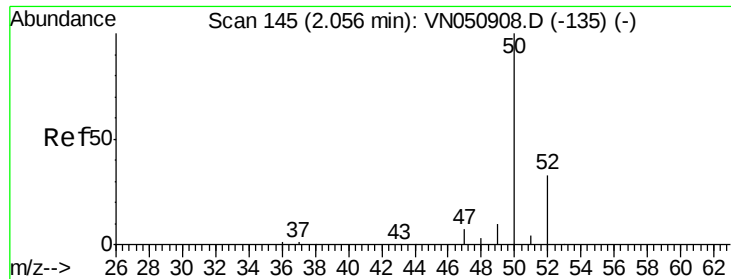
Acq: 7 Sep 2018 9:35

Tgt Ion:	85	Resp:	146407
Ion	Ratio	Lower	Upper
85	100		
87	34.4	16.4	49.1



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 16.59 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampled :

VN0907WBS01

Tot Ion: 50 Resp: 171499

Ion Ratio Lower Upper

50 100

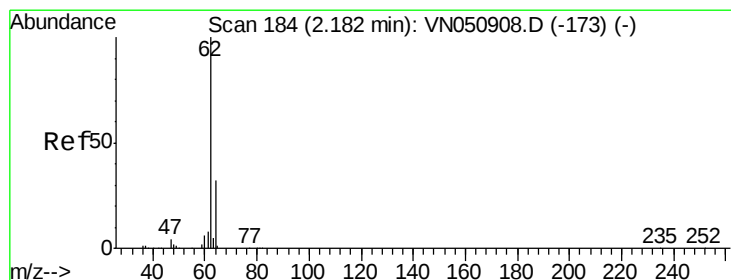
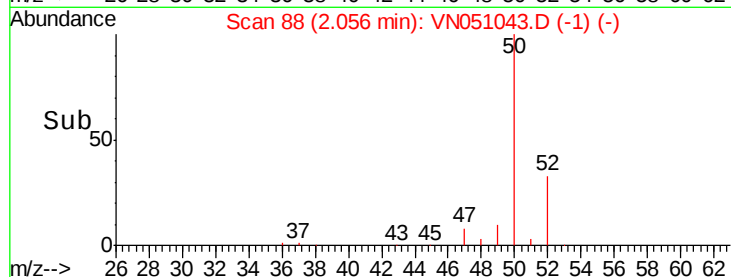
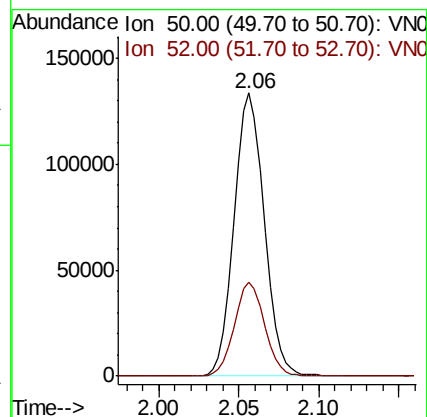
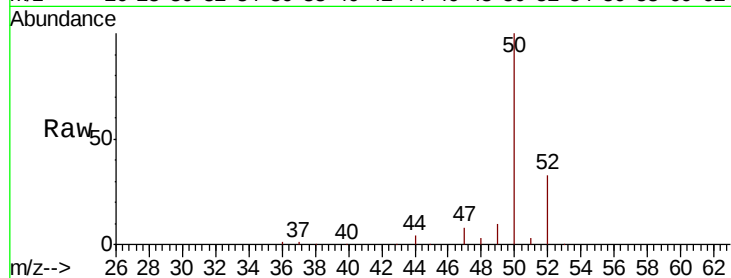
52 33.4 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.05 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051043.D

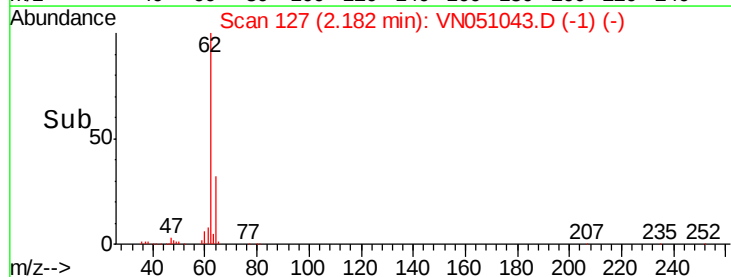
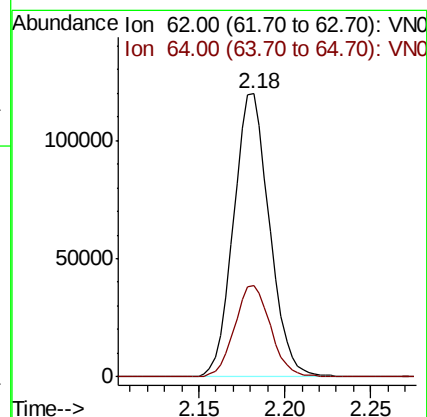
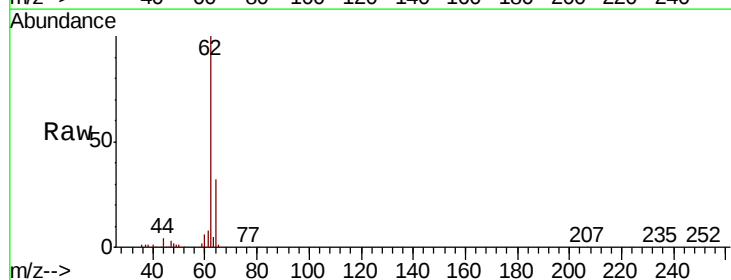
Acq: 7 Sep 2018 9:35

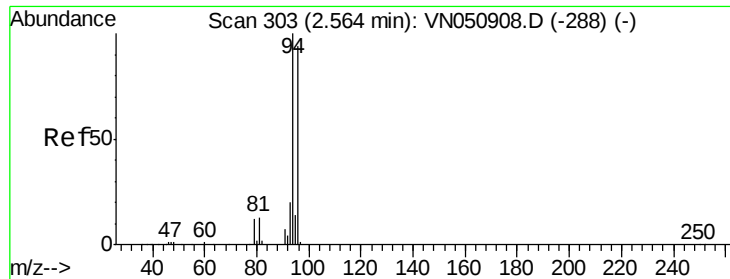
Tgt Ion: 62 Resp: 174165

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 20.38 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

Tot Ion: 94 Resp: 126831

Ion Ratio Lower Upper

94 100

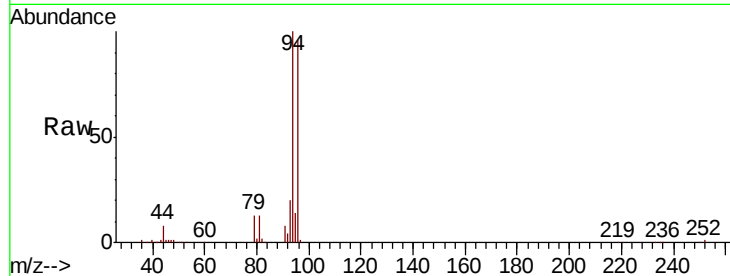
96 96.7 74.9 112.3

Manual Integrations

APPROVED

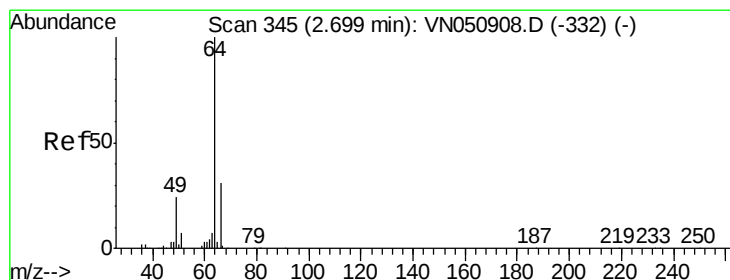
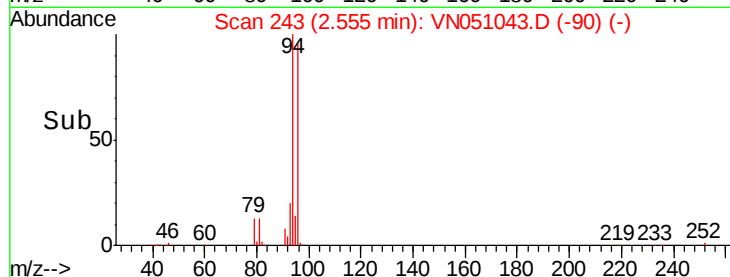
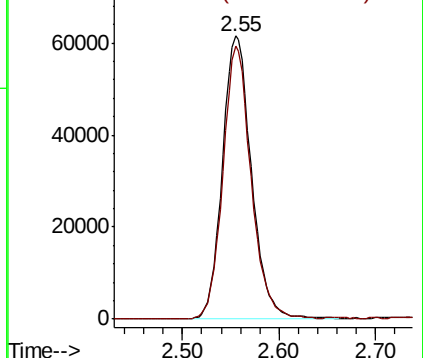
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 17.40 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN051043.D

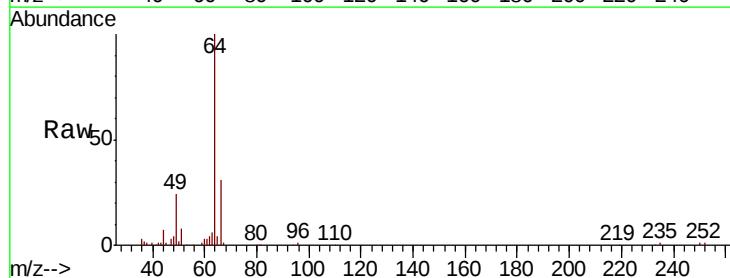
Acq: 7 Sep 2018 9:35

Tgt Ion: 64 Resp: 104838

Ion Ratio Lower Upper

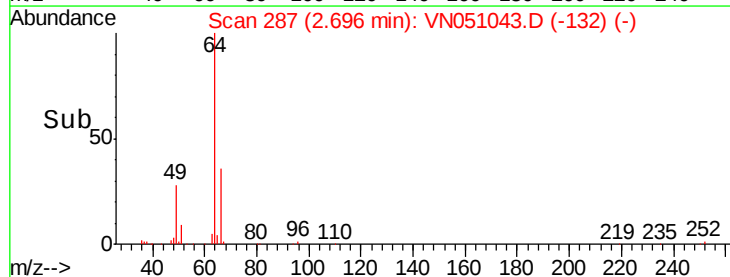
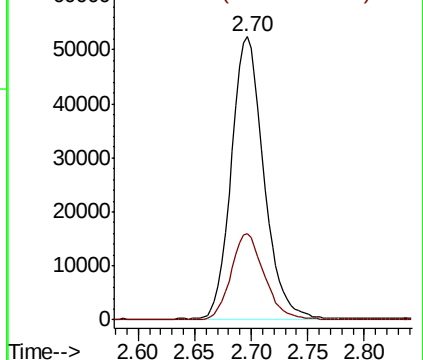
64 100

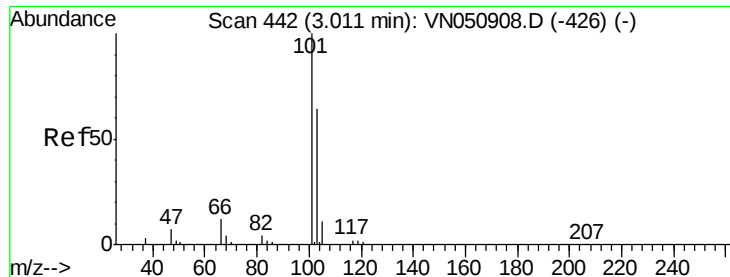
66 30.7 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

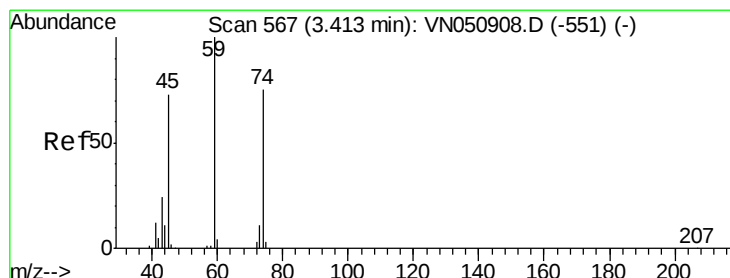
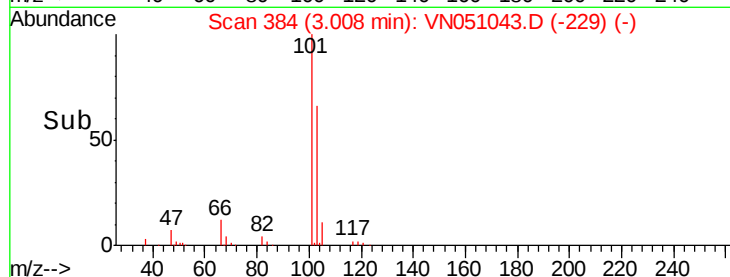
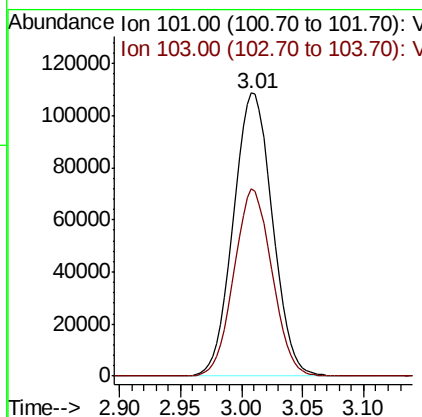
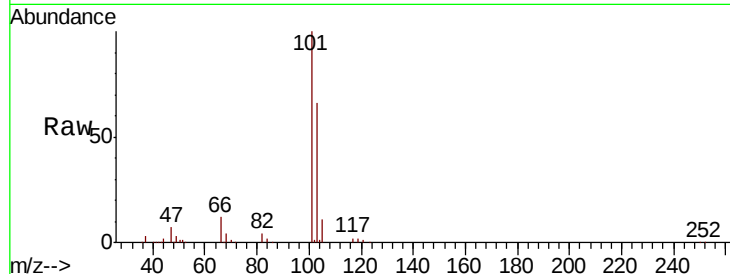
Trichlorofluoromethane
 Concen: 17.83 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
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 VN0907WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
241352	101	100			
	103	66.1	51.3	76.9	

Manual Integrations
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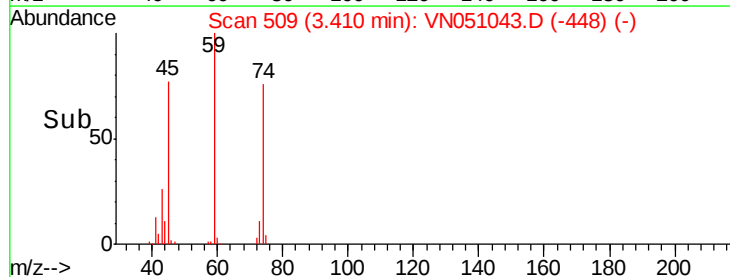
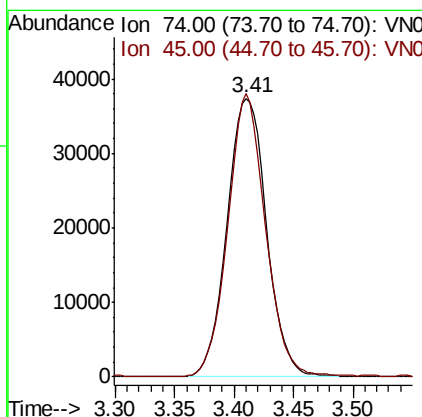
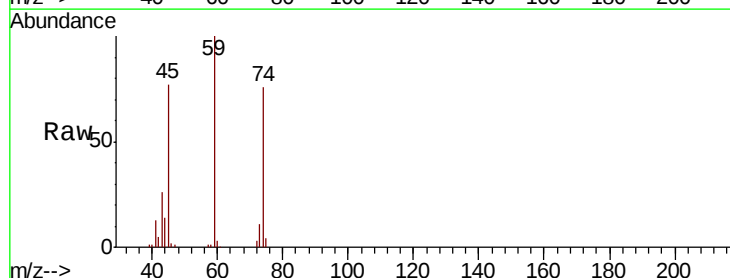
MMDadoda
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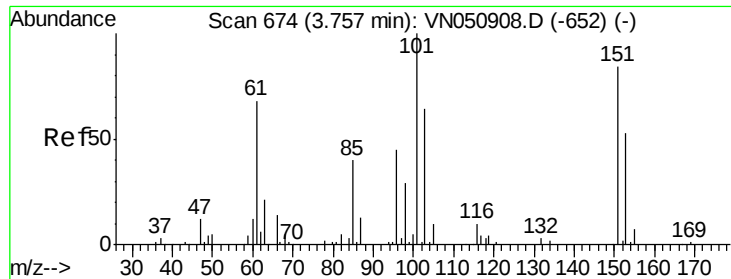


#8

Diethyl Ether
 Concen: 18.01 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85967	74	100			
	45	97.0	19.7	177.1	





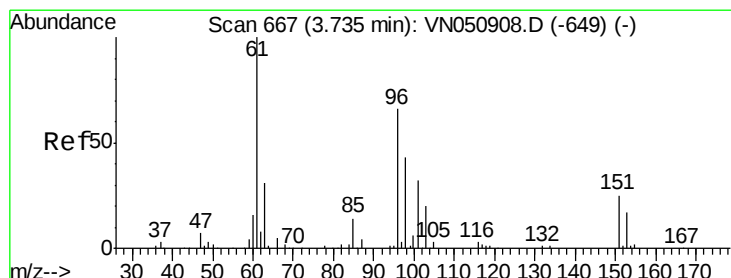
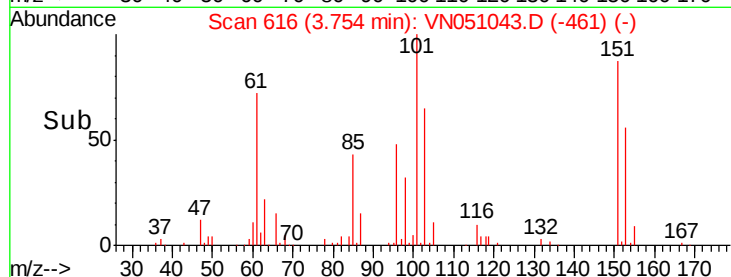
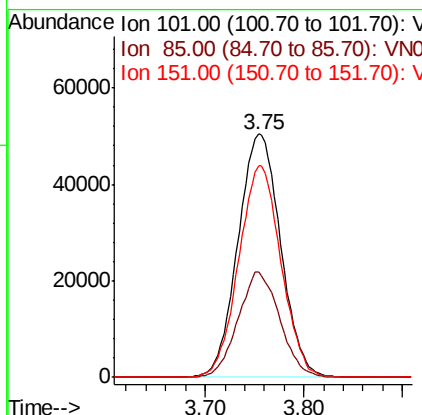
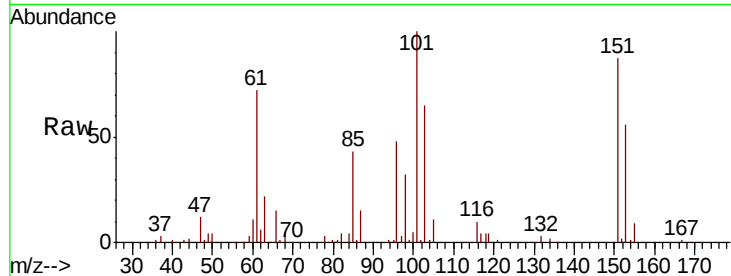
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.98 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	42.2	0.0	83.6
151	86.4	0.0	167.0

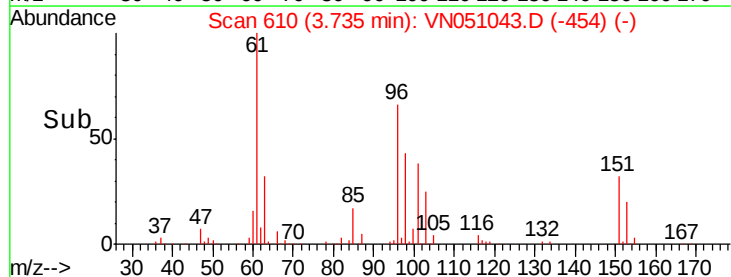
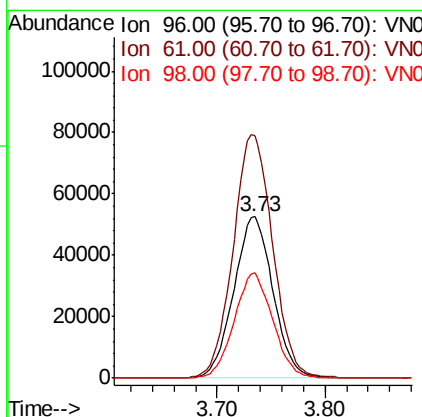
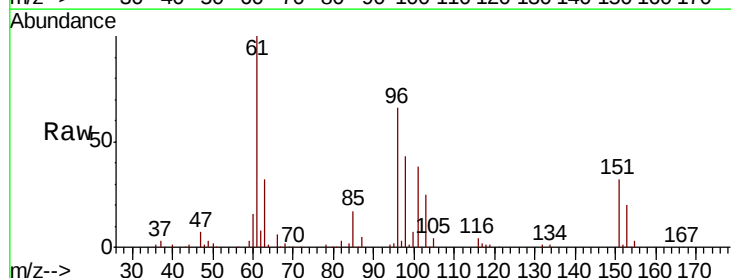
Manual Integrations
 APPROVED

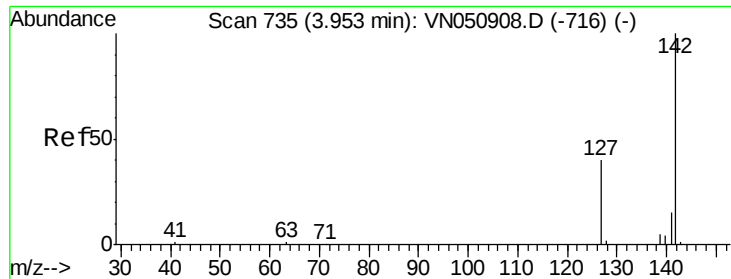
MMDadoda
 9/10/2018 11:53:05 AM



#10
 1,1-Dichloroethene
 Concen: 17.47 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	150.6	121.8	182.8
98	65.1	52.3	78.5





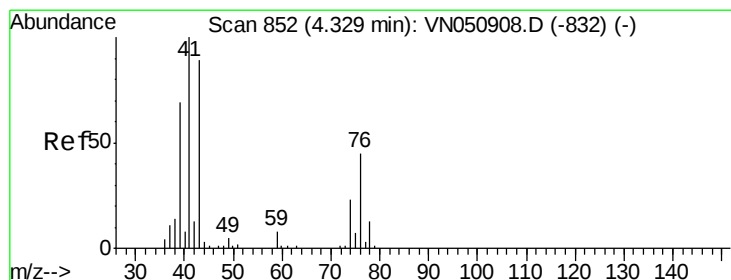
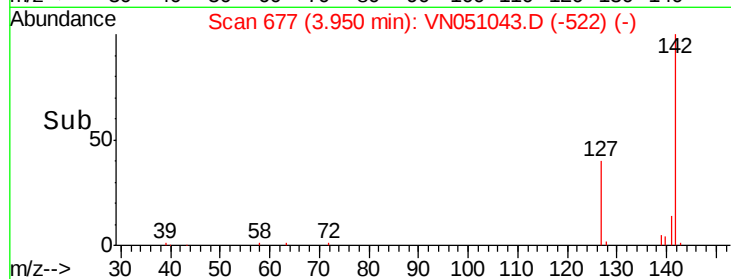
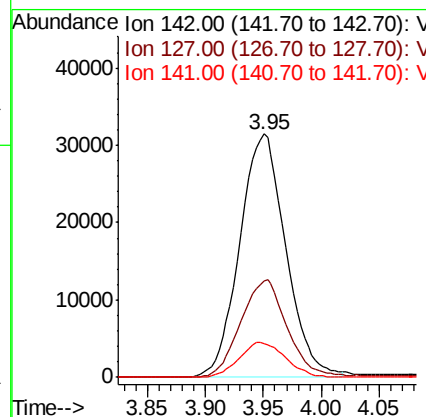
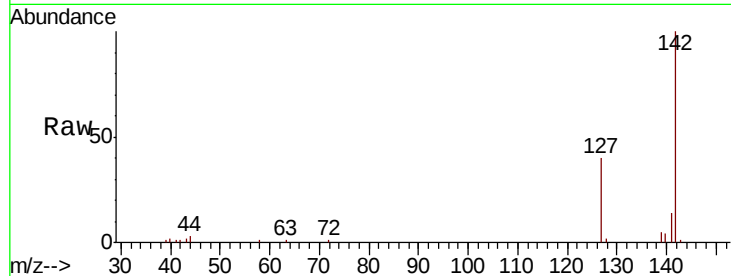
#11
Methyl Iodide
Concen: 12.26 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.5	19.7	59.1
141	14.0	7.3	22.0

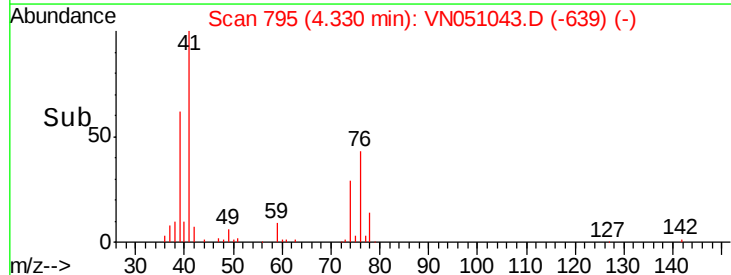
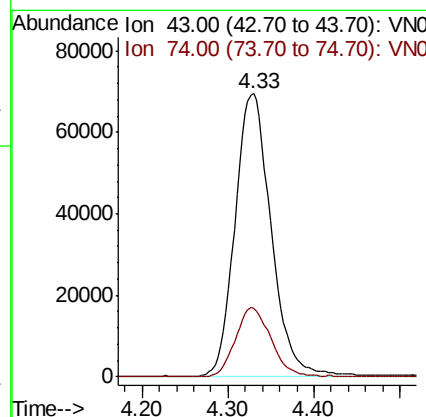
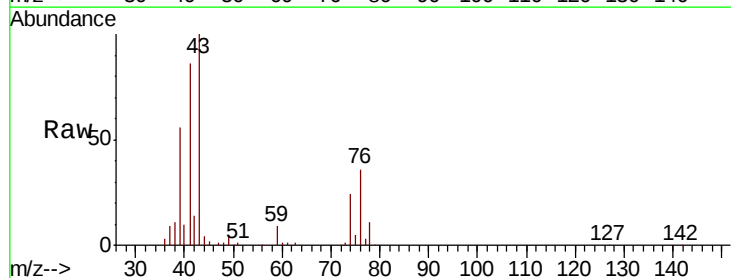
Manual Integrations
APPROVED

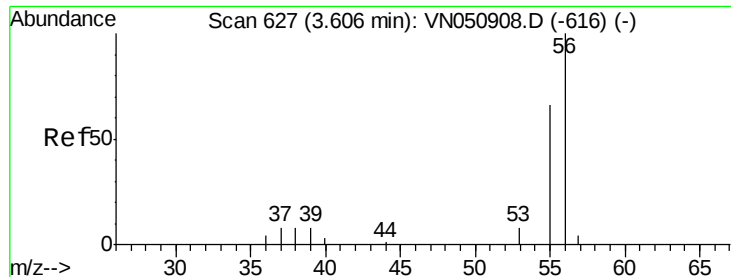
MMDadoda
9/10/2018 11:53:05 AM



#12
Methyl Acetate
Concen: 22.85 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	20.6	31.0





#13

Acrolein

Concen: 202.03 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampled :

VN0907WBS01

Tot Ion: 56 Resp: 39396

Ion Ratio Lower Upper

56 100

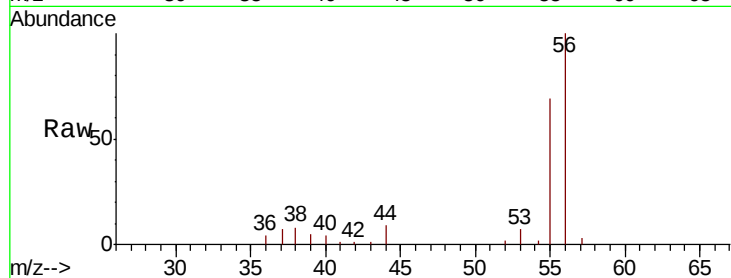
55 68.3 59.1 88.7

Manual Integrations

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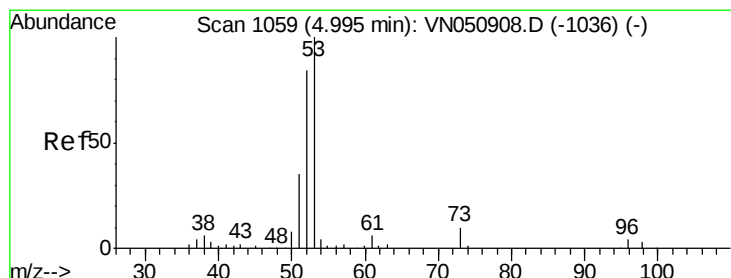
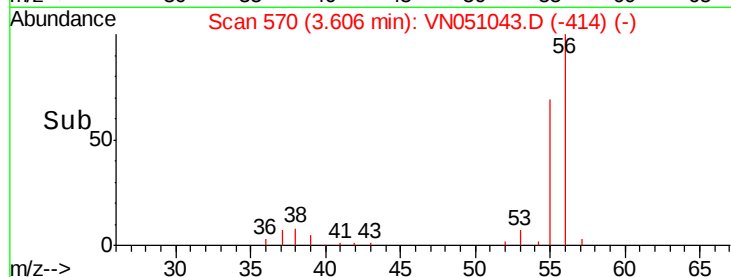
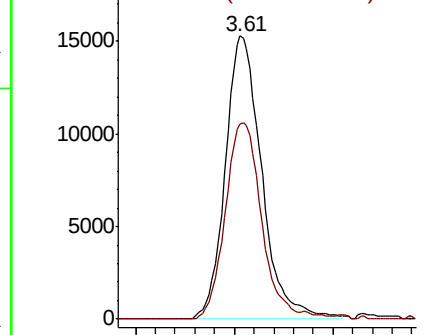
MMDadoda

9/10/2018 11:53:05 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 94.00 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

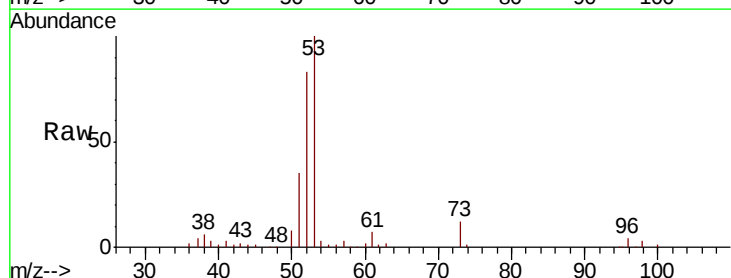
Tgt Ion: 53 Resp: 279890

Ion Ratio Lower Upper

53 100

52 80.9 42.2 126.6

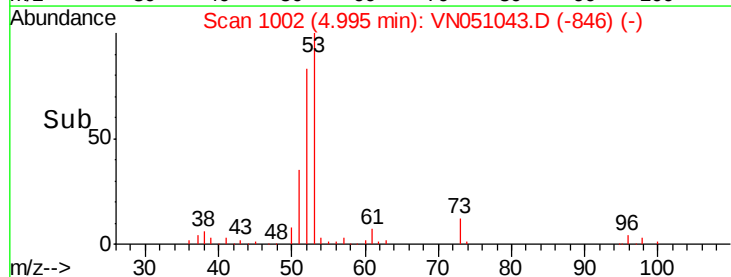
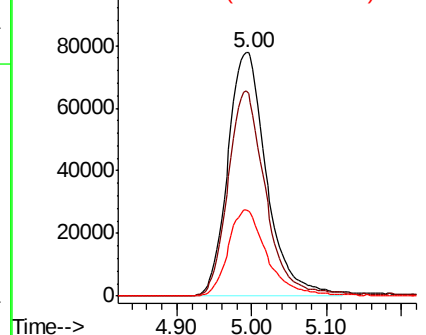
51 35.4 17.7 53.1

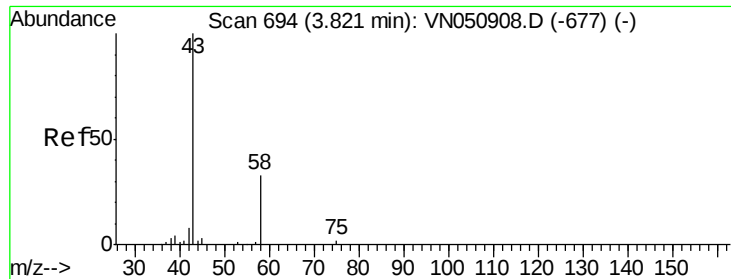


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 91.40 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampled :

VN0907WBS01

Tot Ion: 58 Resp: 69636

Ion Ratio Lower Upper

58 100

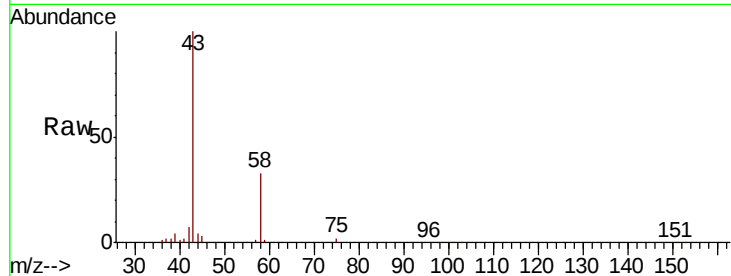
43 304.4 239.4 359.0

Manual Integrations

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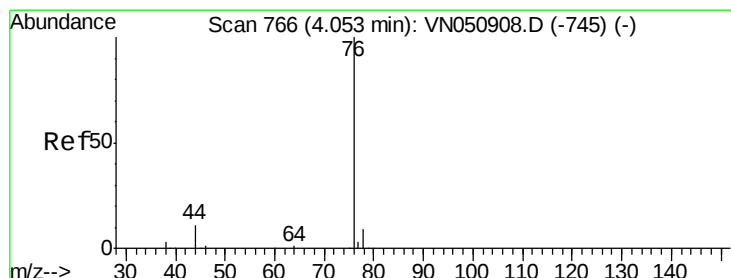
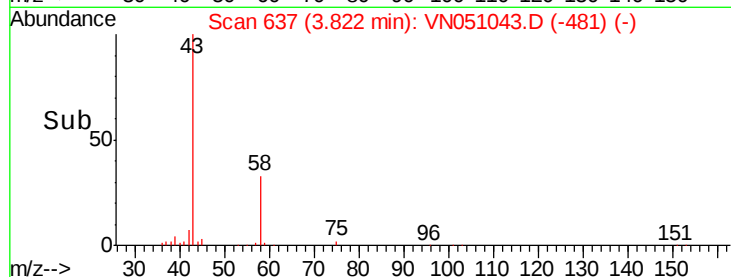
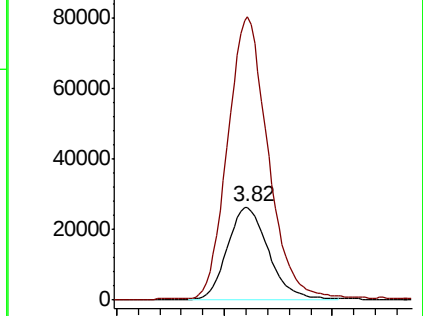
MMDadoda

9/10/2018 11:53:05 AM



Abundance Ion 58.00 (57.70 to 58.70): VN051043.D (-481) (-)

Ion 43.00 (42.70 to 43.70): VN051043.D (-481) (-)



#16

Carbon Disulfide

Concen: 16.03 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051043.D

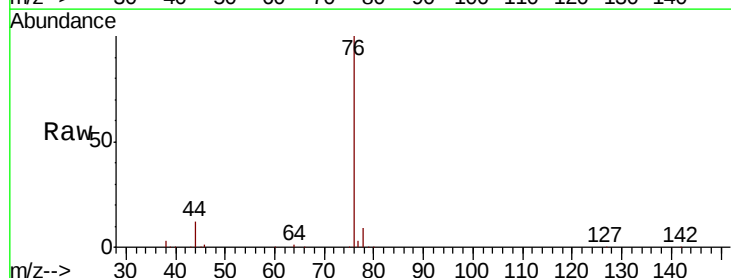
Acq: 7 Sep 2018 9:35

Tgt Ion: 76 Resp: 367030

Ion Ratio Lower Upper

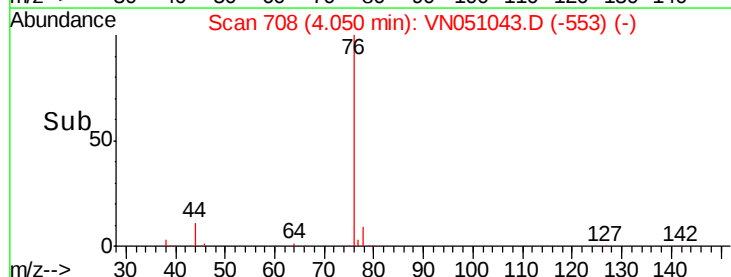
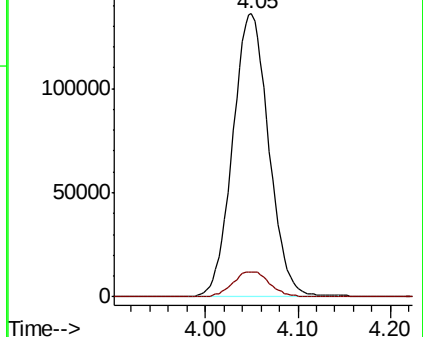
76 100

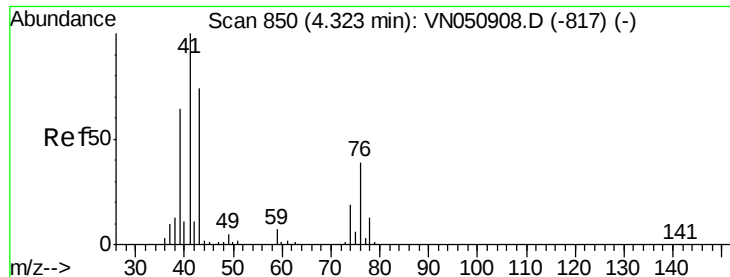
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN051043.D (-553) (-)

Ion 78.00 (77.70 to 78.70): VN051043.D (-553) (-)





#17

Allvl chloride

Concen: 16.99 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

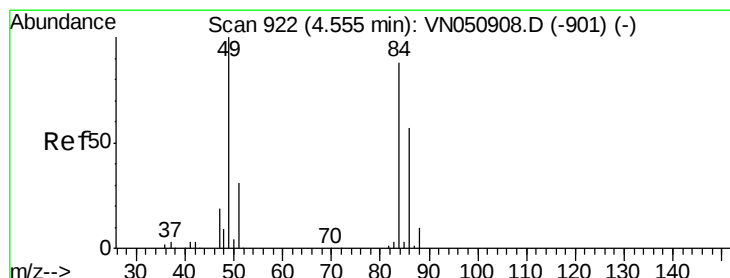
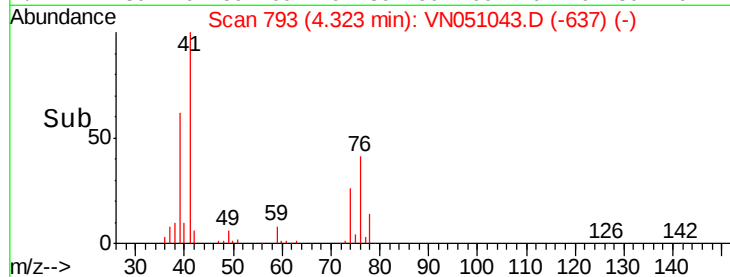
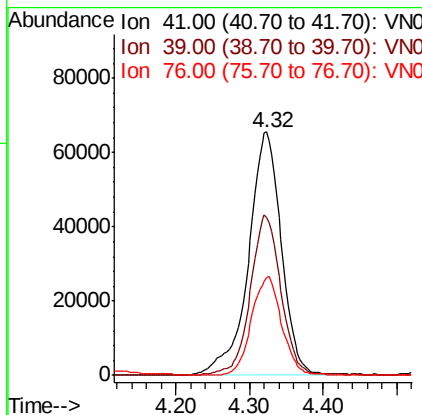
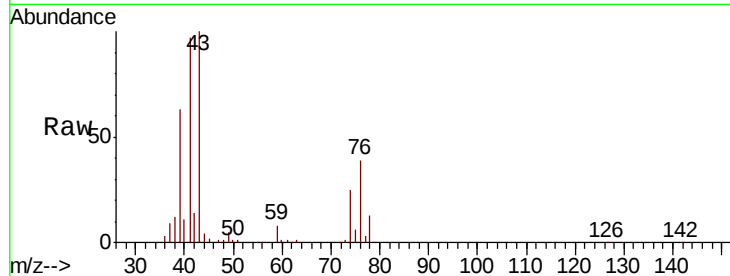
ClientSampled :

VN0907WBS01

Tot Ion:	41	Resp:	203627
Ion	Ratio	Lower	Upper
41	100		
39	64.9	32.2	96.6
76	40.3	19.6	58.7

Manual Integrations
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#18

Methylene Chloride

Concen: 17.92 ug/l

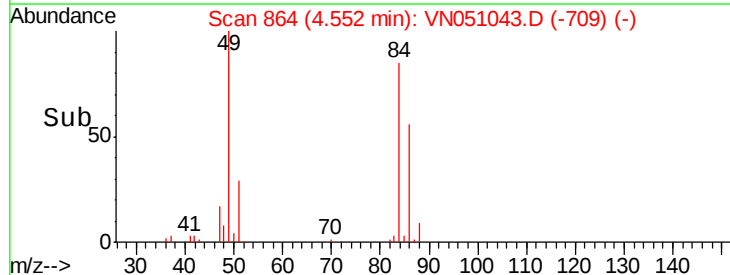
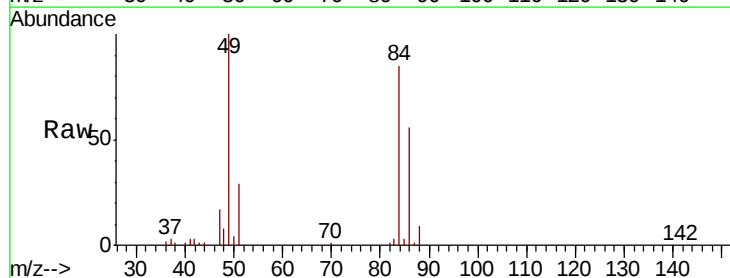
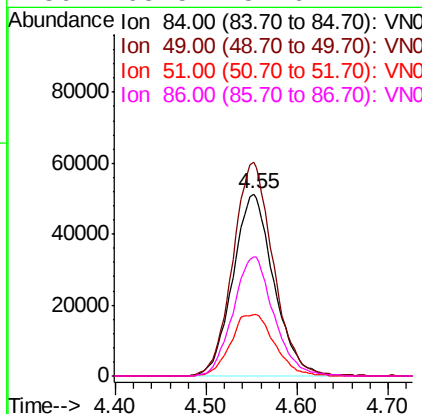
RT: 4.55 min Scan# 864

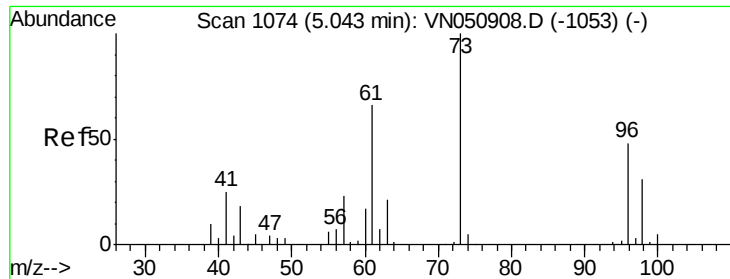
Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Tgt Ion:	84	Resp:	160155
Ion	Ratio	Lower	Upper
84	100		
49	117.2	90.6	135.8
51	33.6	28.4	42.6
86	65.5	51.6	77.4





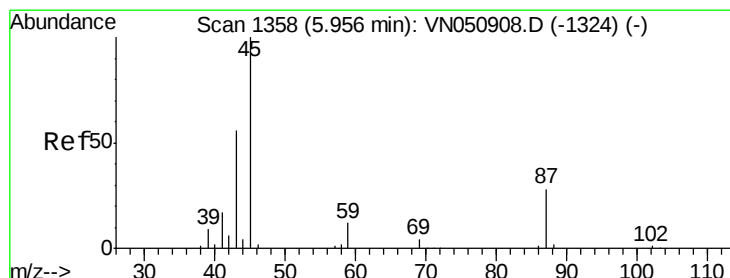
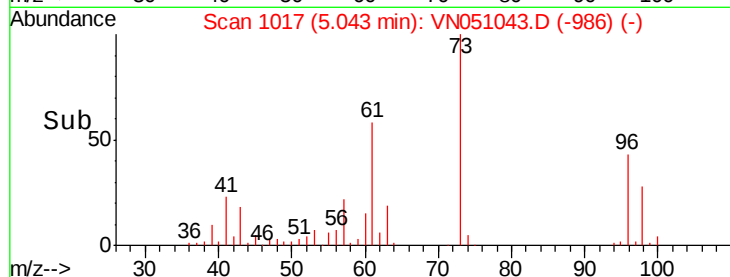
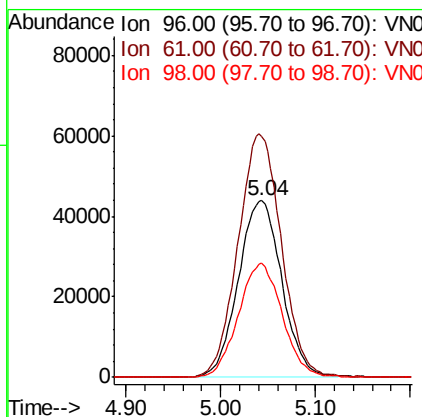
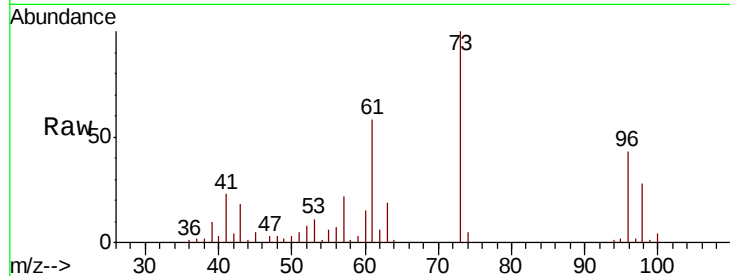
#19
trans-1,2-Dichloroethene
Concen: 17.28 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.8	109.5	164.3
98	64.7	51.9	77.9

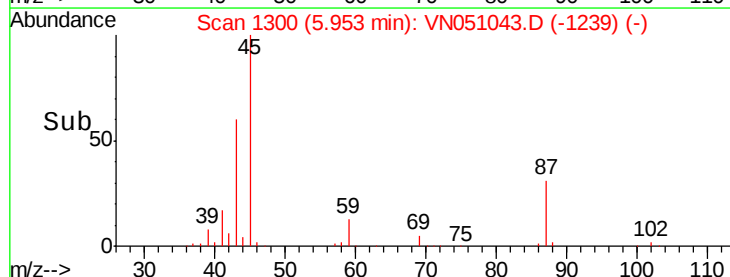
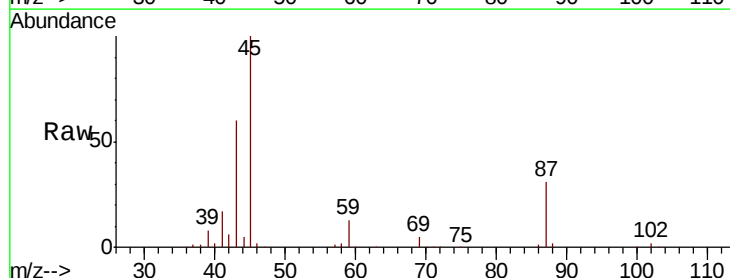
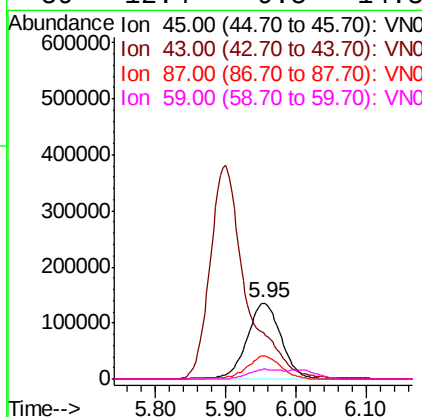
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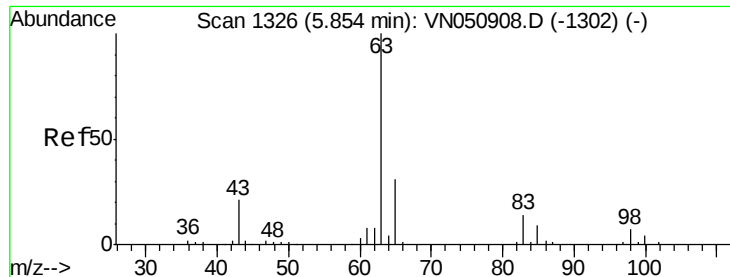
MMDadoda
9/10/2018 11:53:05 AM



#20
Diisopropyl ether
Concen: 18.31 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.6	47.0	70.6
87	30.7	22.8	34.2
59	12.4	9.5	14.3





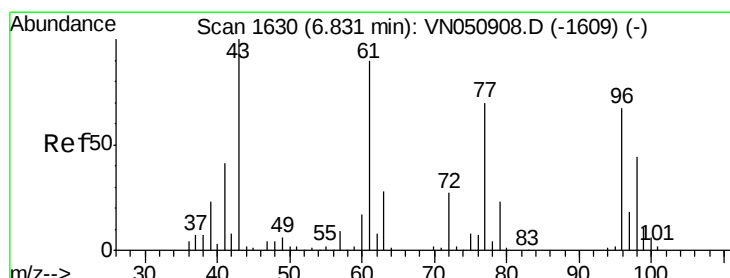
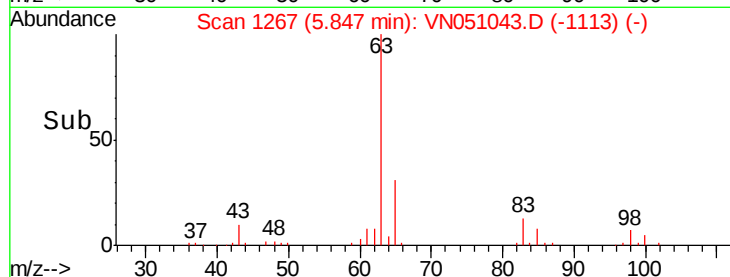
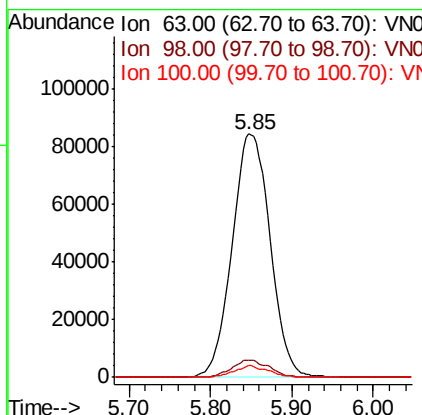
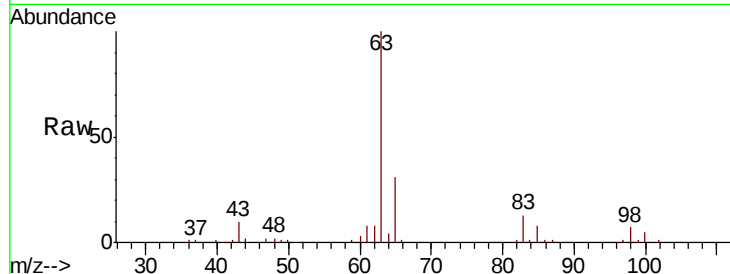
#21
 1,1-Dichloroethane
 Concen: 17.86 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion:	63	Resp:	272334
Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.3	9.9
100	4.7	2.0	6.0

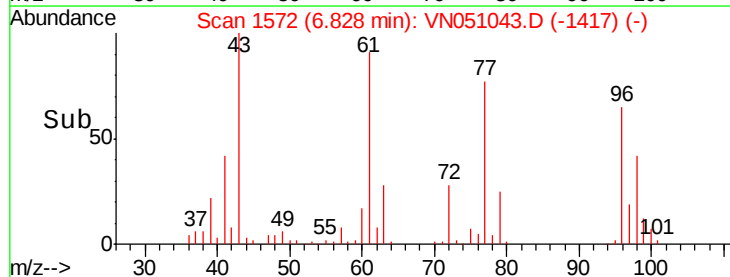
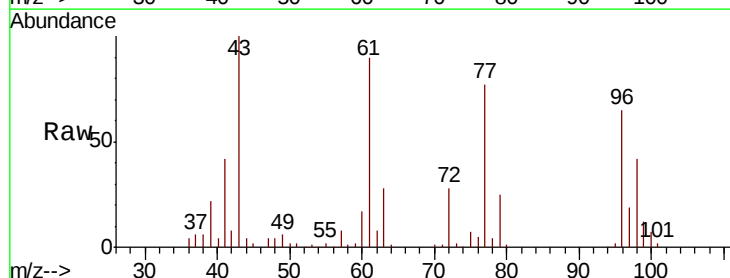
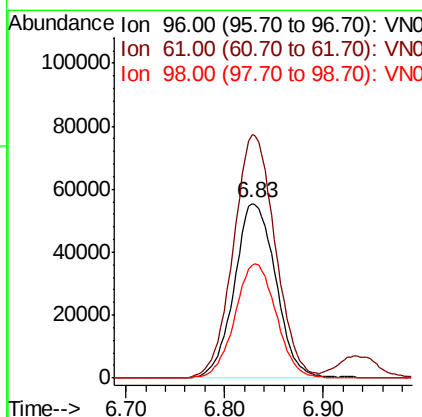
Manual Integrations
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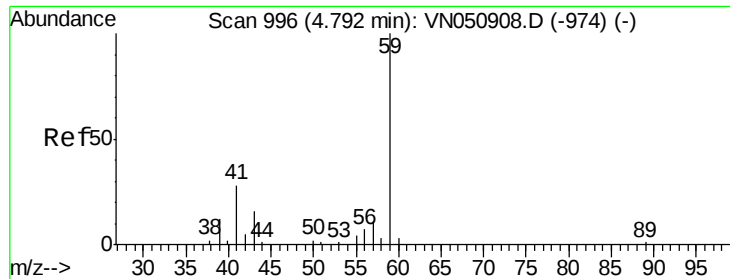
MMDadoda
 9/10/2018 11:53:05 AM



#22
 cis-1,2-Dichloroethene
 Concen: 17.66 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion:	96	Resp:	161844
Ion	Ratio	Lower	Upper
96	100		
61	140.5	110.0	165.0
98	65.3	51.7	77.5





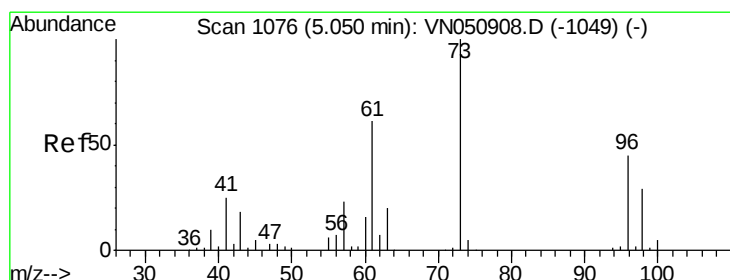
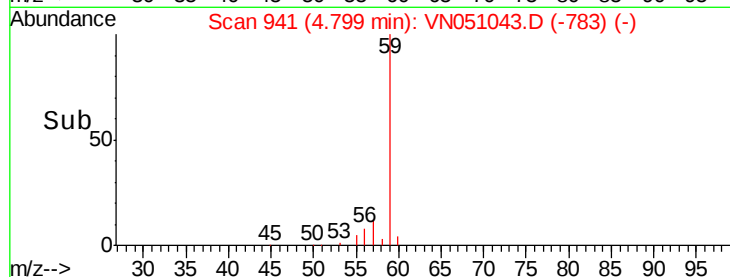
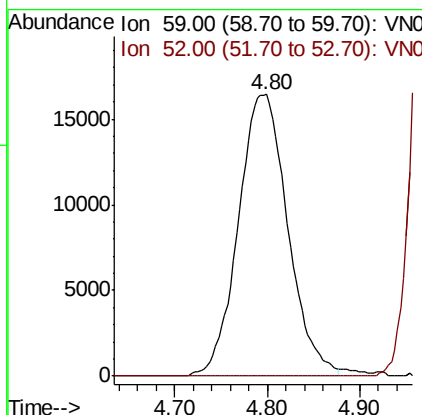
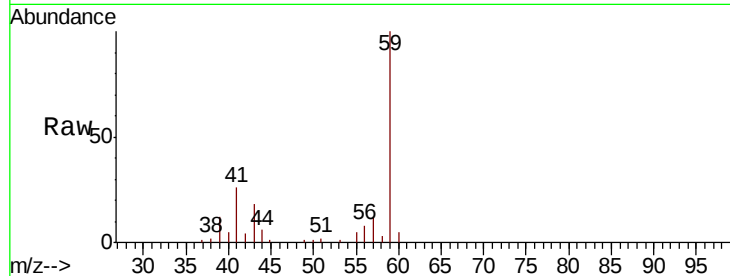
#23
 tert-Butyl Alcohol
 Concen: 96.07 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		60833		
52	0.0	0.1	0.1#		

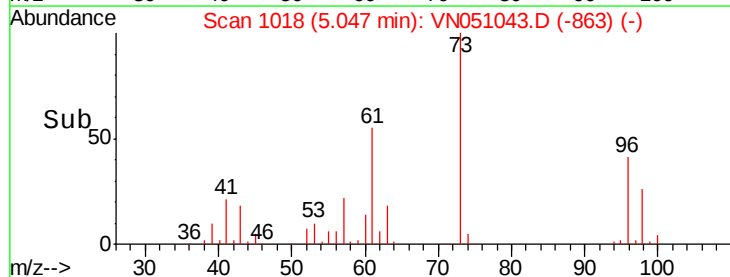
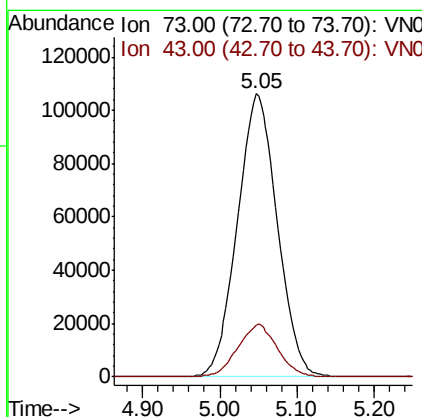
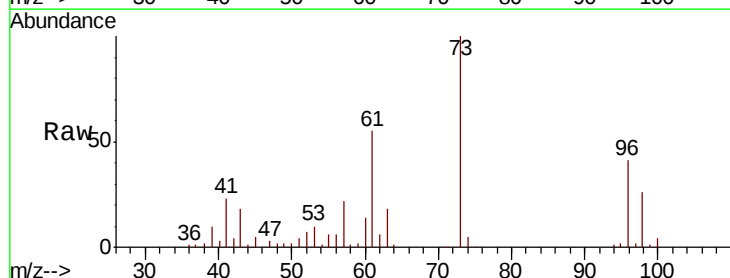
Manual Integrations
 APPROVED

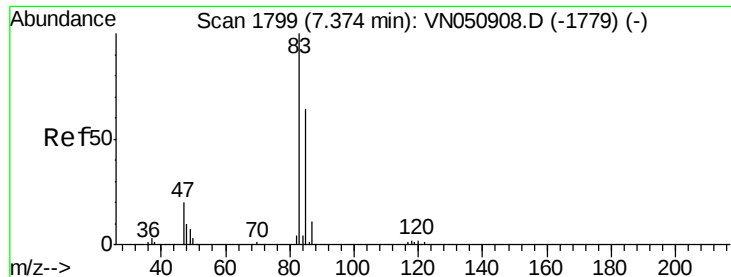
MMDadoda
 9/10/2018 11:53:05 AM



#24
 Methyl tert-Butyl Ether
 Concen: 18.29 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		381024		
43	18.6	14.4	21.6		





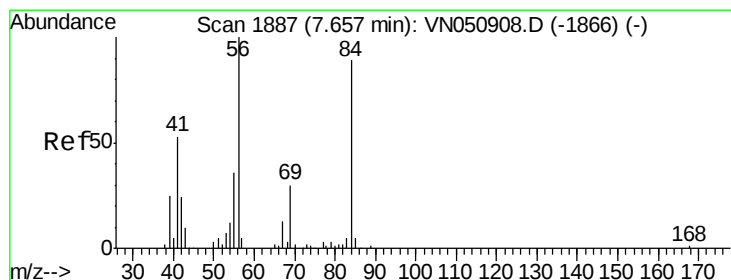
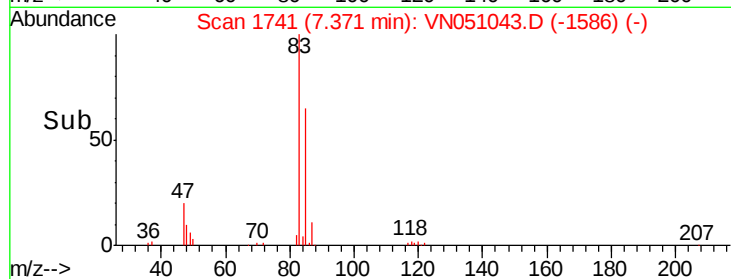
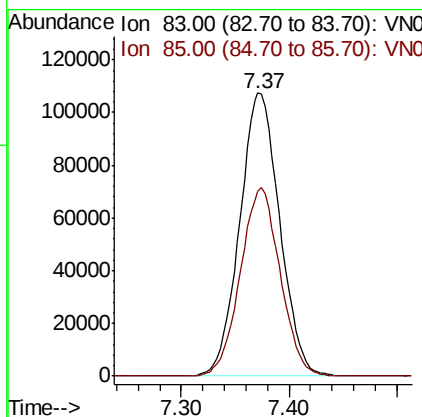
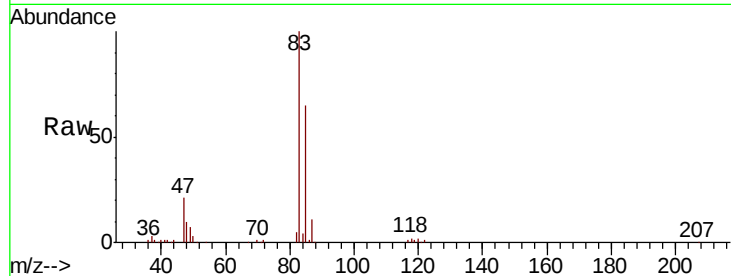
#25
Chloroform
Concen: 18.22 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	83	Resp	277290
Ion Ratio	100	Lower	Upper
83	100		
85	65.3	51.4	77.0

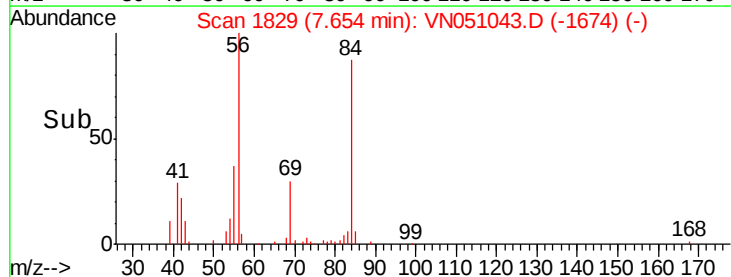
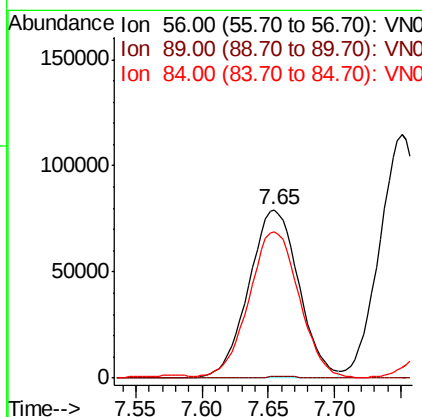
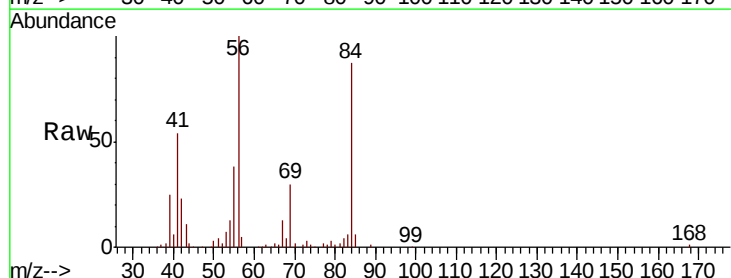
Manual Integrations
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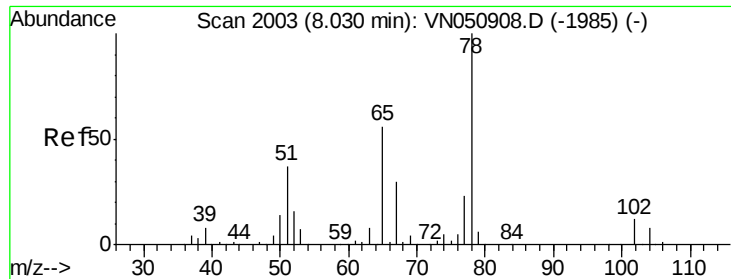
MMDadoda
9/10/2018 11:53:05 AM



#26
Cyclohexane
Concen: 16.59 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion	56	Resp	209640
Ion Ratio	100	Lower	Upper
56	100		
89	0.7	0.4	0.6#
84	87.3	70.4	105.6





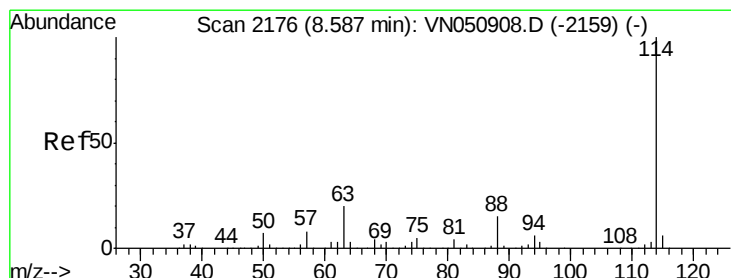
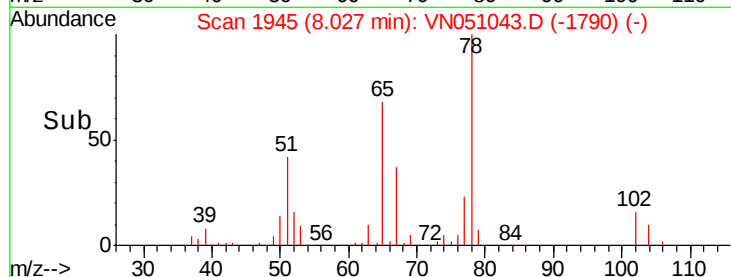
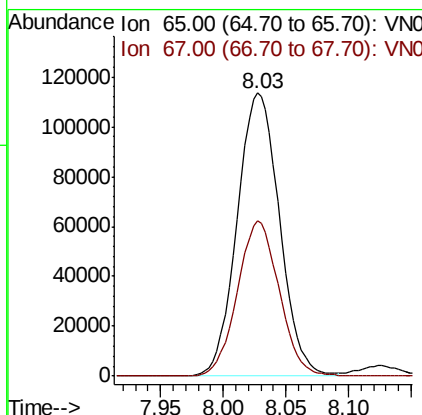
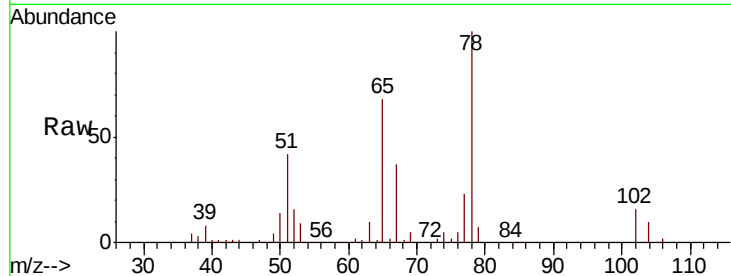
#27
 1,2-Dichloroethane-d4
 Concen: 29.69 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.1	43.7	65.5

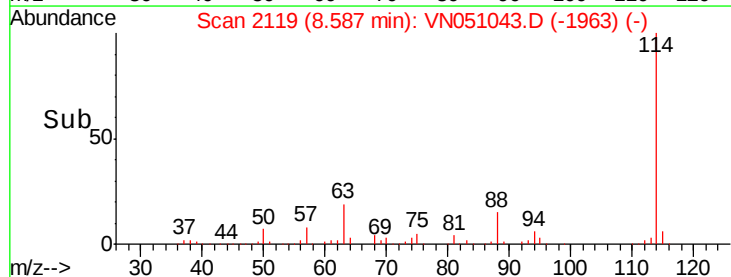
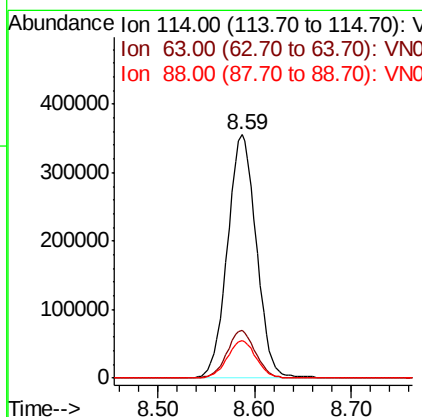
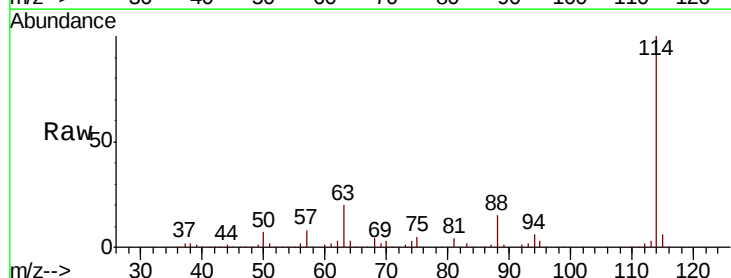
Manual Integrations
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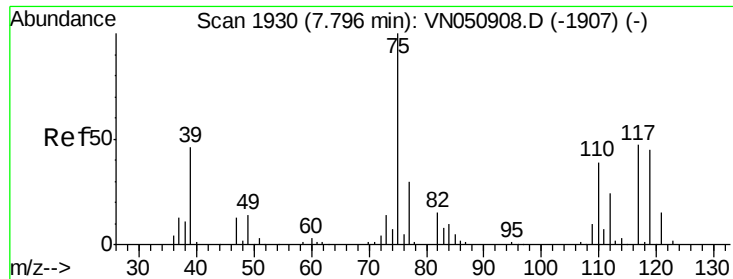
MMDadoda
 9/10/2018 11:53:05 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	15.6	23.4
88	15.4	12.2	18.4





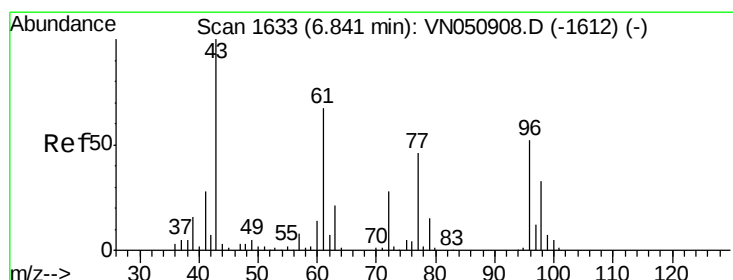
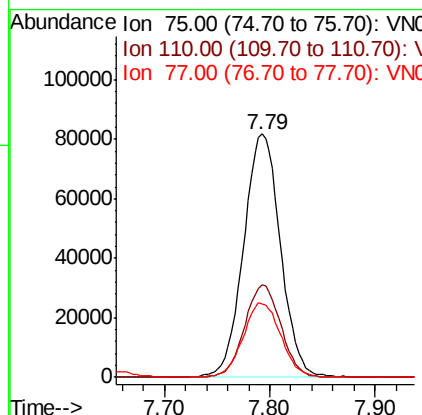
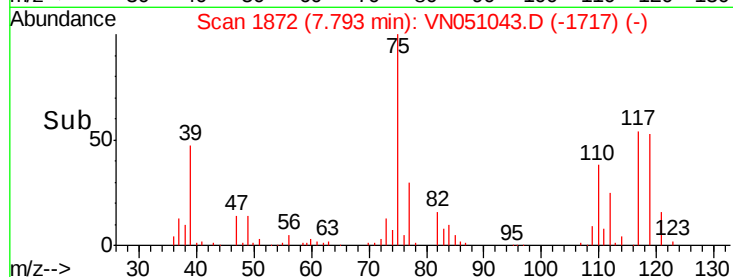
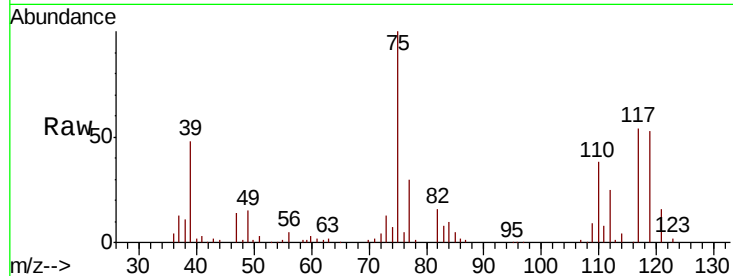
#29
 1,1-Dichloropropene
 Concen: 17.96 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0907WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	37.4	0.0	75.0
77	30.7	0.0	60.6

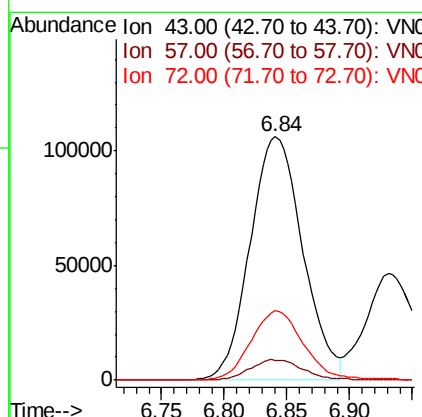
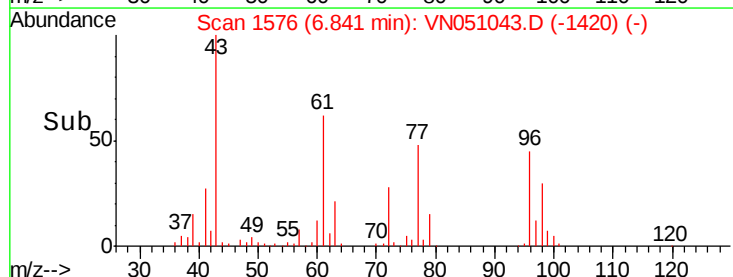
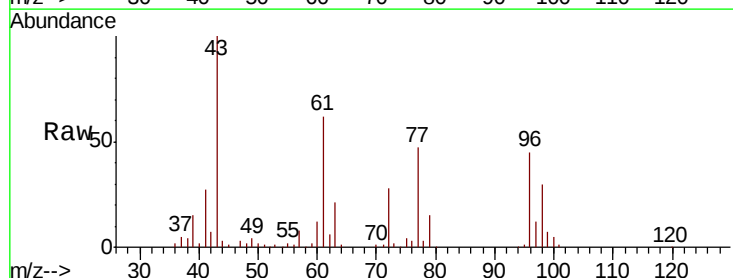
Manual Integrations
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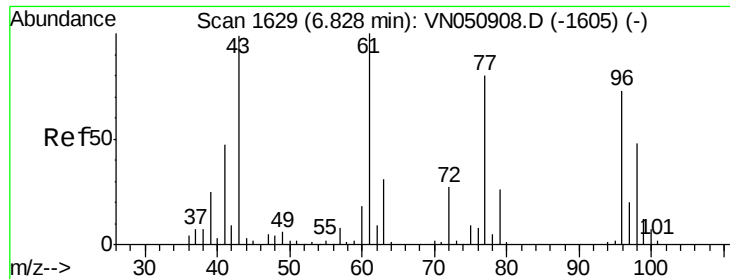
MMDadoda
 9/10/2018 11:53:05 AM



#30
 2-Butanone
 Concen: 91.11 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.6	6.9	10.3
72	28.4	22.8	34.2





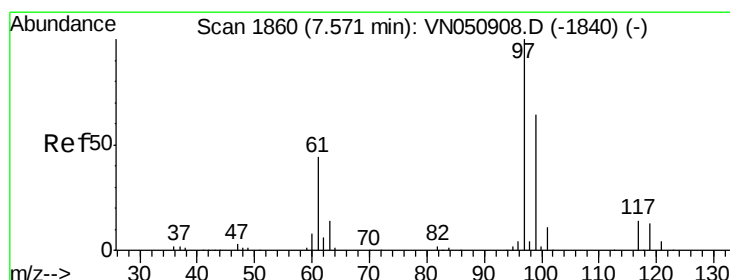
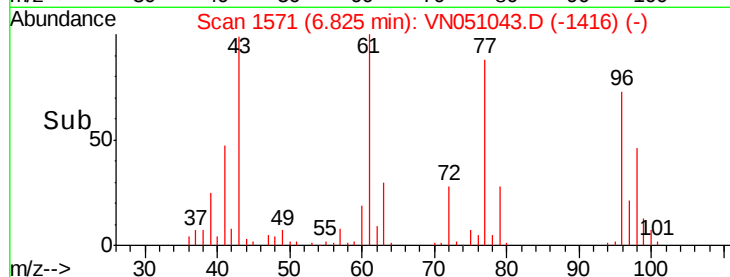
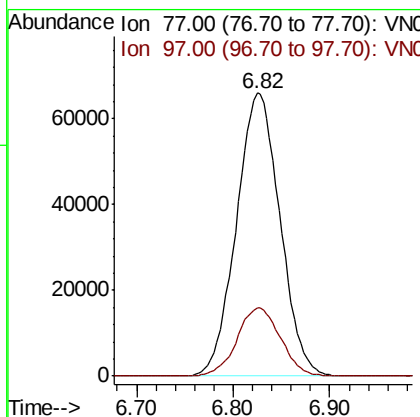
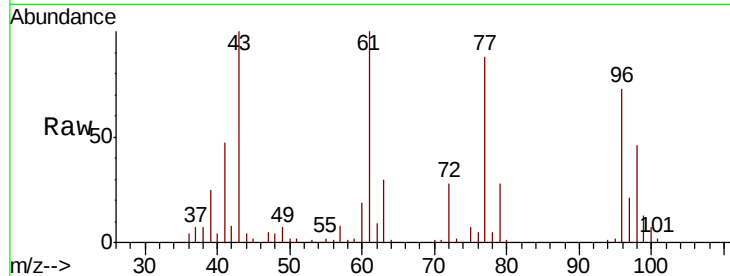
#31
 2,2-Dichloropropane
 Concen: 19.22 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0907WBS01

Tot Ion: 77 Resp: 206528
 Ion Ratio Lower Upper
 77 100
 97 24.1 20.2 30.2

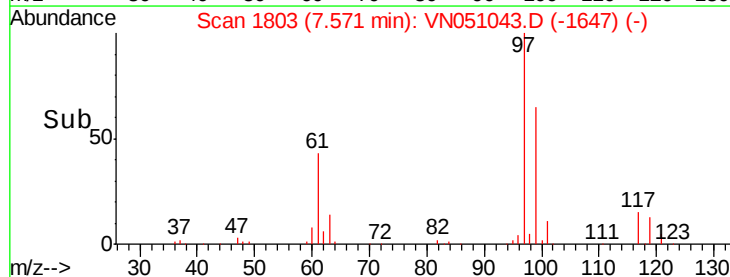
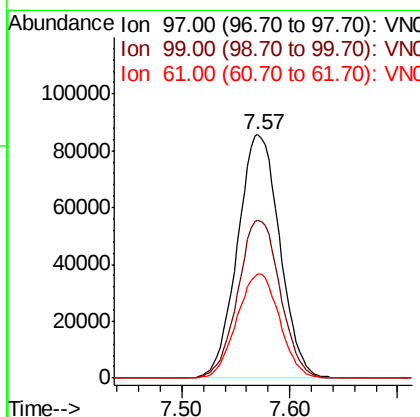
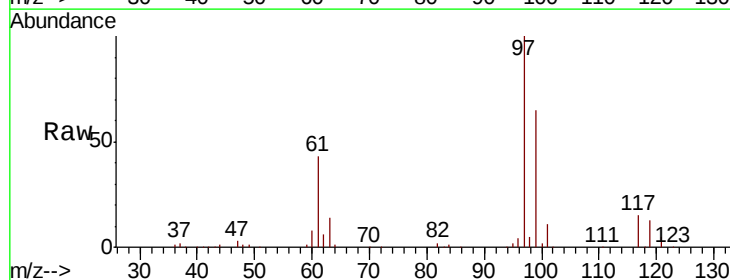
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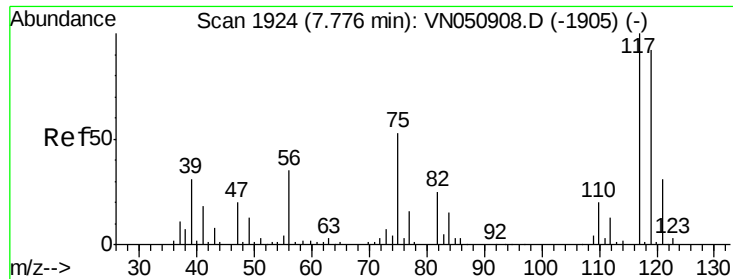
MMDadoda
 9/10/2018 11:53:05 AM



#32
 1,1,1-Trichloroethane
 Concen: 18.65 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion: 97 Resp: 233448
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.0 78.0
 61 43.0 35.0 52.6





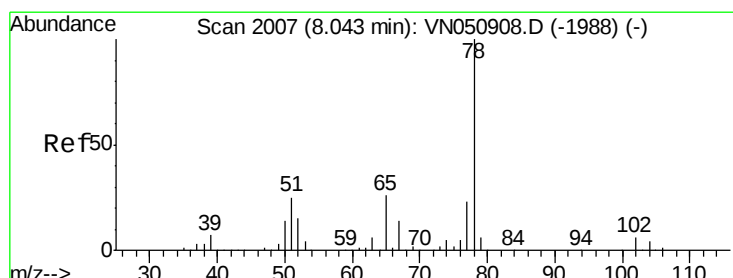
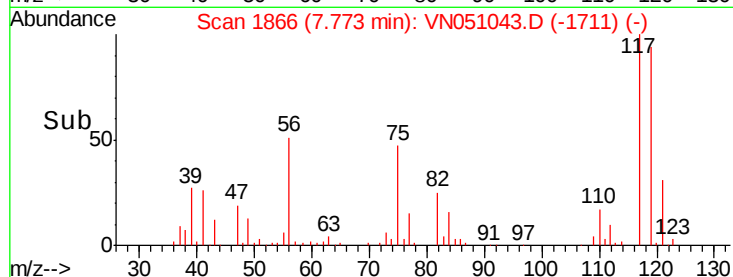
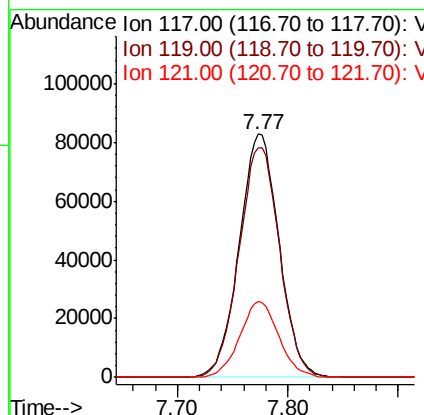
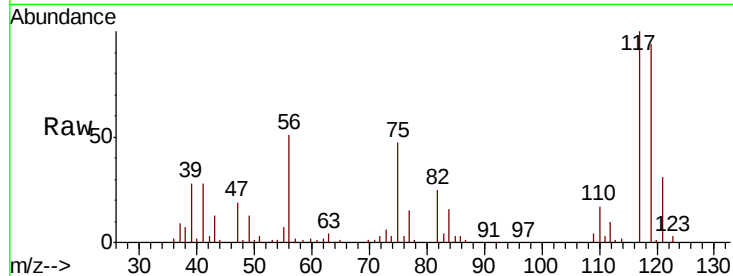
#33
Carbon Tetrachloride
Concen: 18.42 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.3	73.5	110.3
121	31.0	24.6	37.0

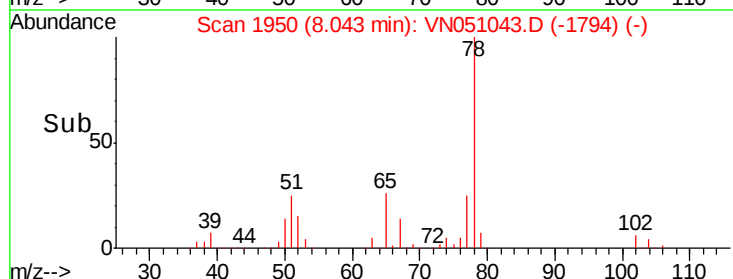
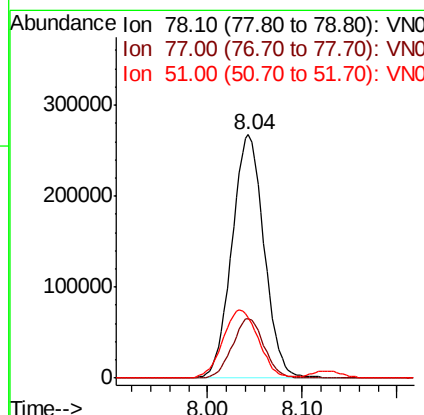
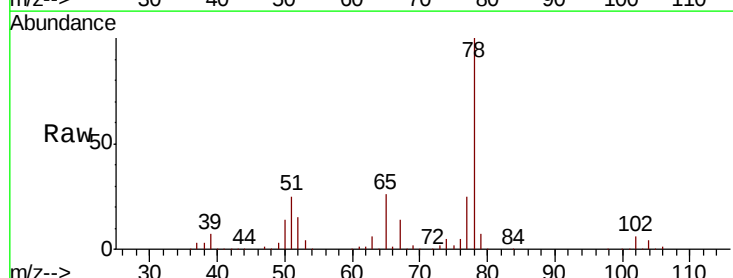
Manual Integrations
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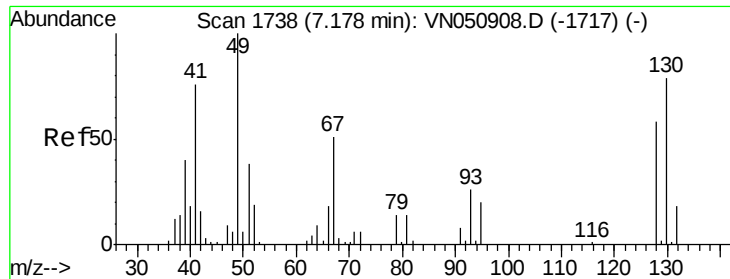
MMDadoda
9/10/2018 11:53:05 AM



#34
Benzene
Concen: 18.52 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.6	28.0
51	24.7	20.0	30.0





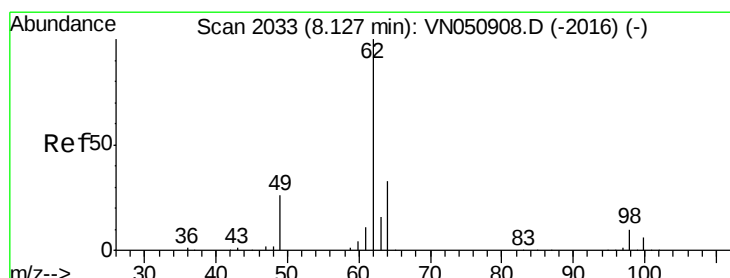
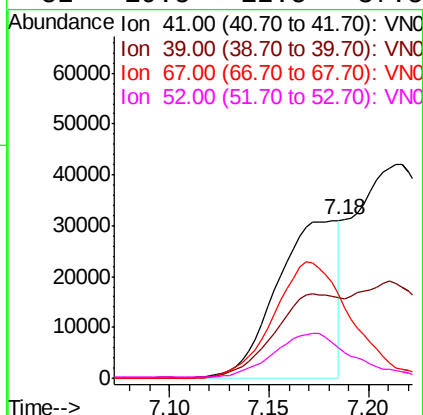
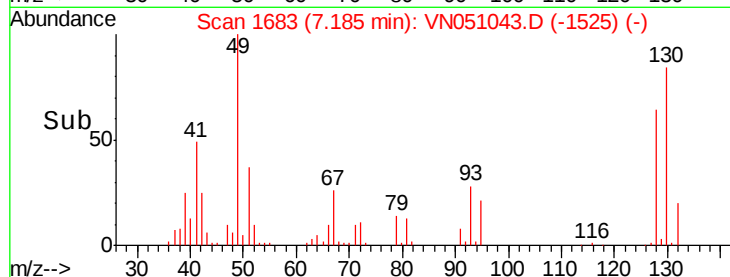
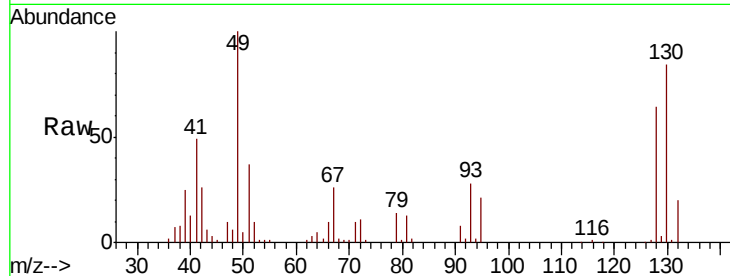
#35
Methacrylonitrile
Concen: 17.89 ug/l m
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	41	Resp	66558
Ion	Ratio	Lower	Upper
41	100		
39	50.8	26.2	78.5
67	53.1	33.9	101.6
52	19.5	12.5	37.5

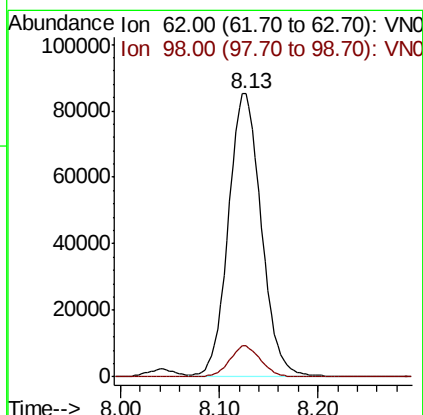
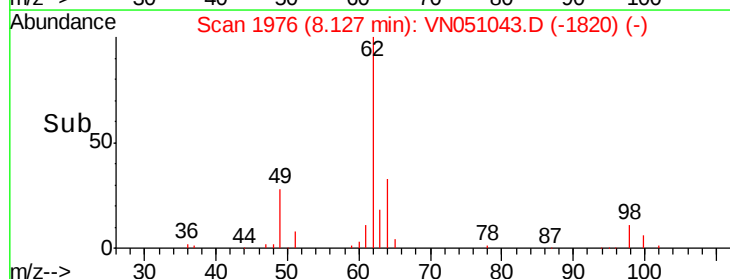
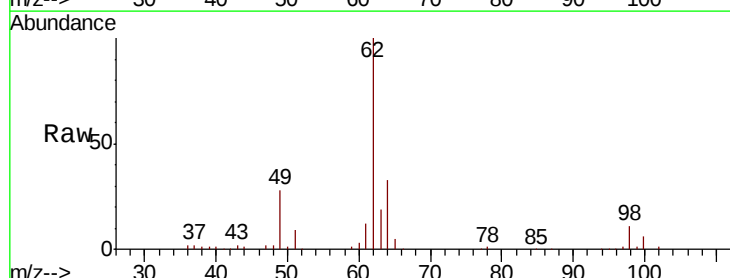
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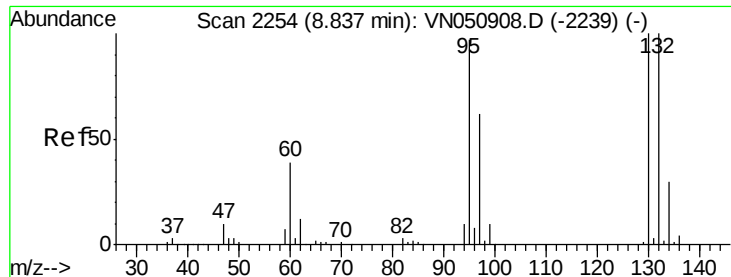
MMDadoda
9/10/2018 11:53:05 AM



#36
1,2-Dichloroethane
Concen: 19.05 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion	62	Resp	196777
Ion	Ratio	Lower	Upper
62	100		
98	10.3	8.0	12.0





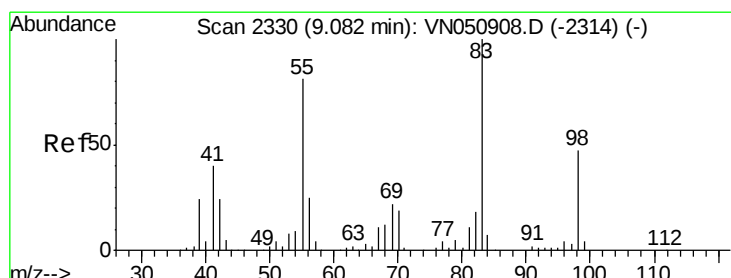
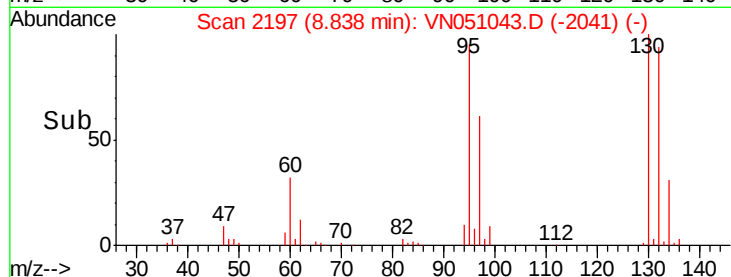
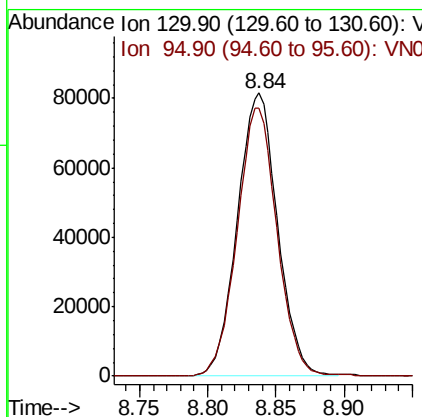
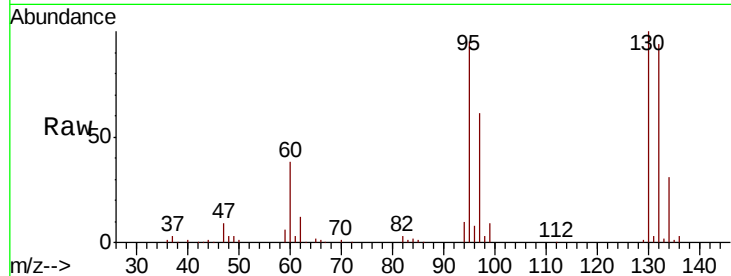
#37
 Trichloroethene
 Concen: 18.71 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion:130 Resp: 166995
 Ion Ratio Lower Upper
 130 100
 95 94.9 77.4 116.0

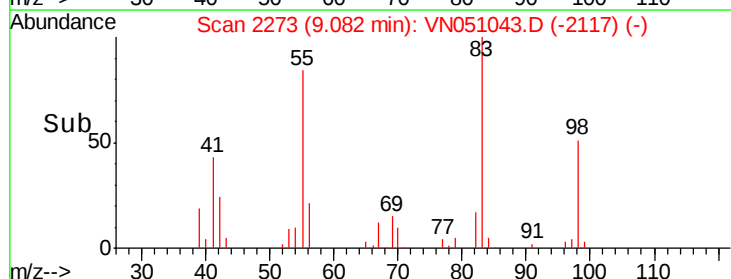
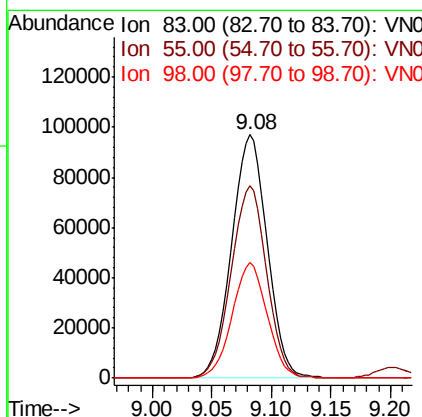
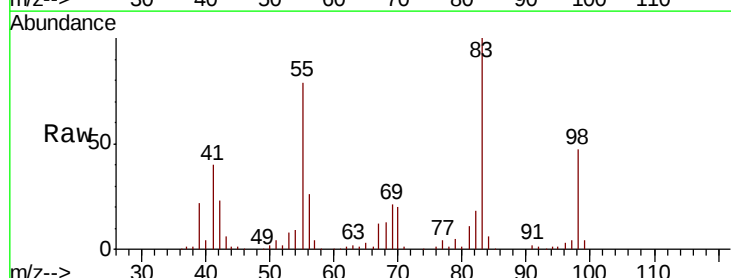
Manual Integrations
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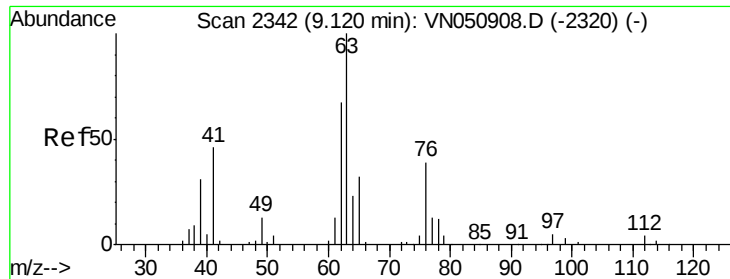
MMDadoda
 9/10/2018 11:53:05 AM



#38
 Methylcyclohexane
 Concen: 16.97 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion: 83 Resp: 201239
 Ion Ratio Lower Upper
 83 100
 55 78.8 38.9 116.7
 98 46.7 22.9 68.7





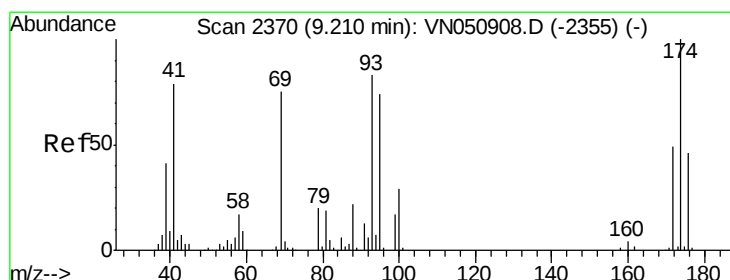
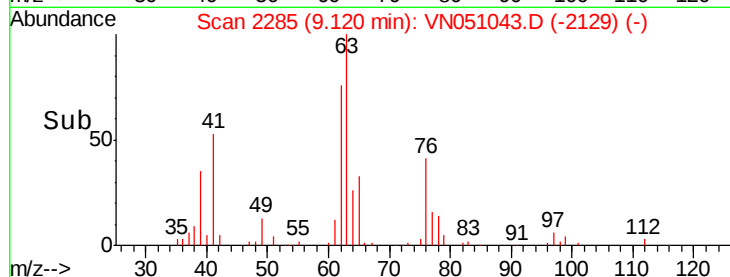
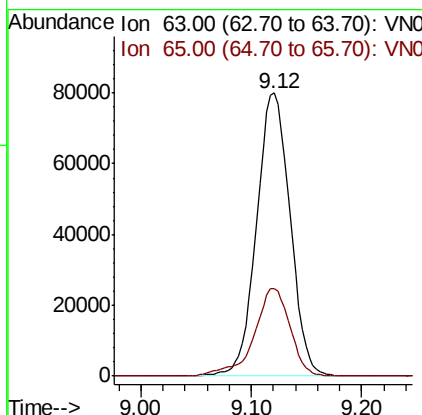
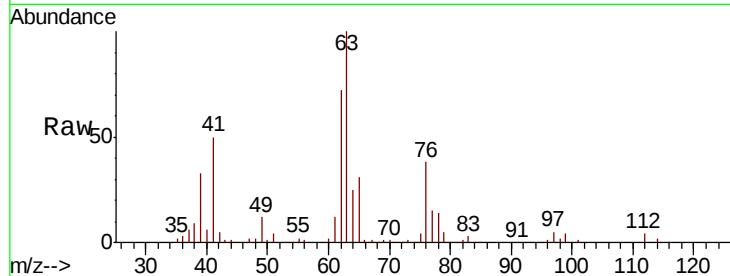
#39
 1,2-Dichloropropane
 Concen: 18.93 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	168853		
65	31.0	25.6	38.4	

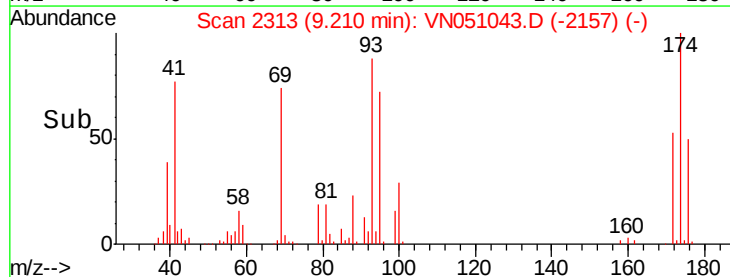
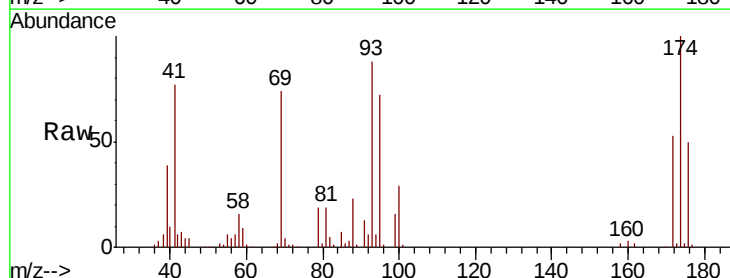
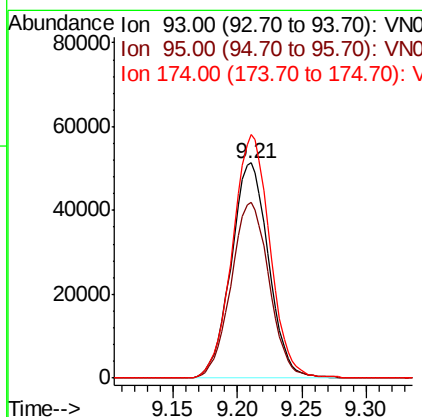
Manual Integrations
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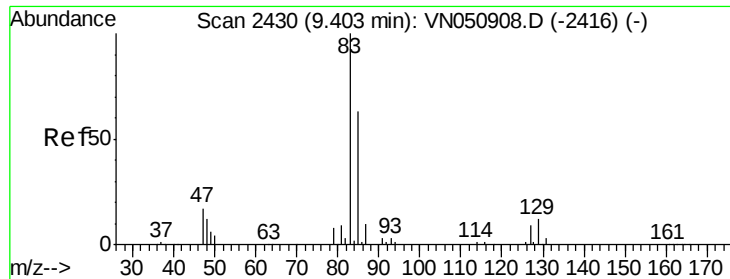
MMDadoda
 9/10/2018 11:53:05 AM



#40
 Dibromomethane
 Concen: 19.31 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	103754		
95	83.2	0.0	173.4	
174	113.3	0.0	234.8	





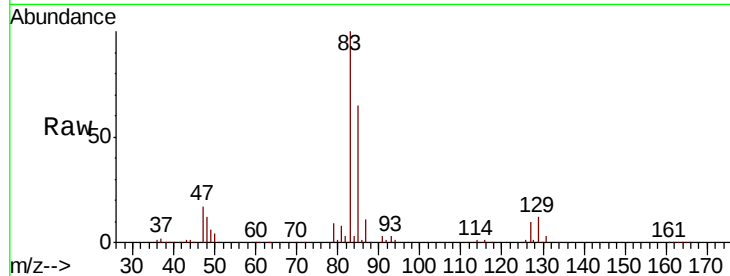
#41
 Bromodichloromethane
 Concen: 18.84 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

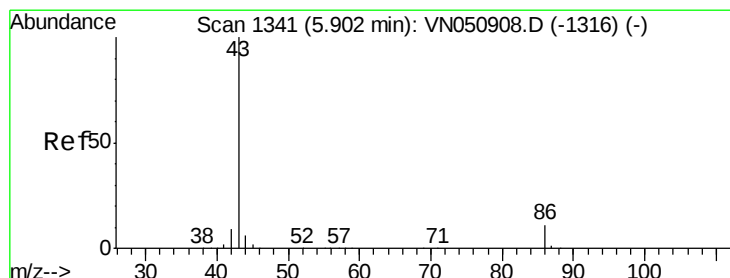
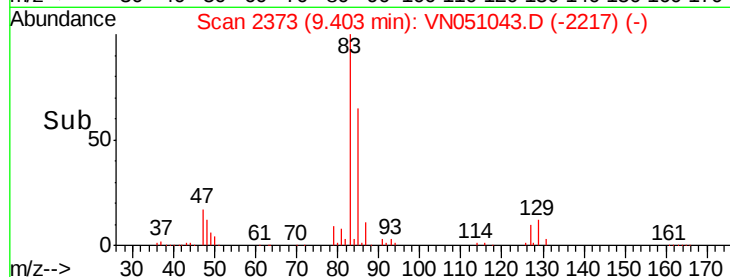
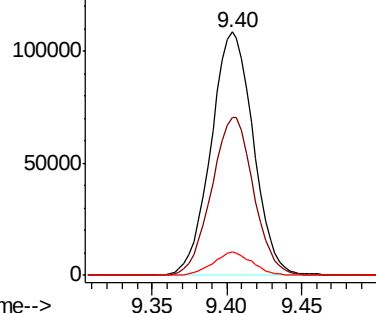
Tot Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.6	76.0
127	9.7	7.1	10.7

Manual Integrations
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 9/10/2018 11:53:05 AM

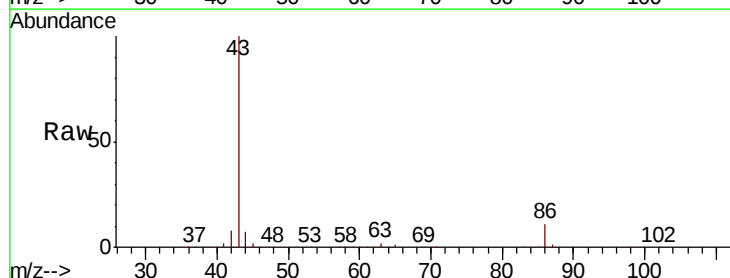


Abundance Ion 83.00 (82.70 to 83.70): VN051043.D (-2217) (-)
 Ion 85.00 (84.70 to 85.70): VN051043.D (-2217) (-)
 Ion 127.00 (126.70 to 127.70): VN051043.D (-2217) (-)

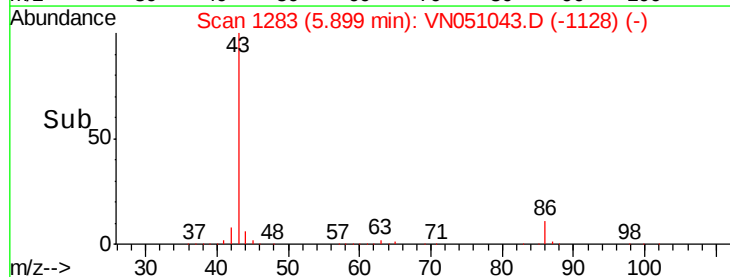
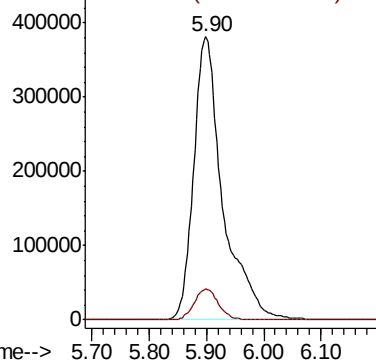


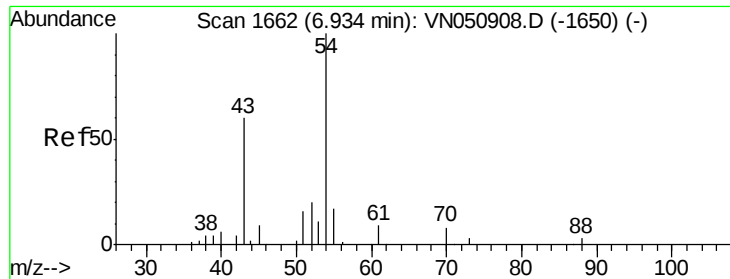
#42
 Vinyl Acetate
 Concen: 85.98 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.2	10.8



Abundance Ion 43.00 (42.70 to 43.70): VN051043.D (-1128) (-)
 Ion 86.00 (85.70 to 86.70): VN051043.D (-1128) (-)





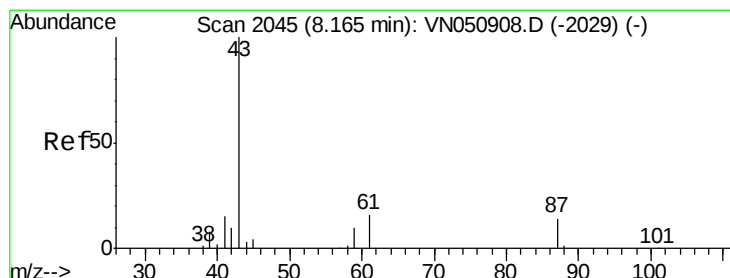
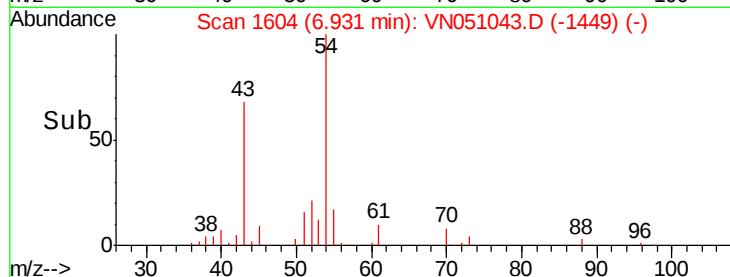
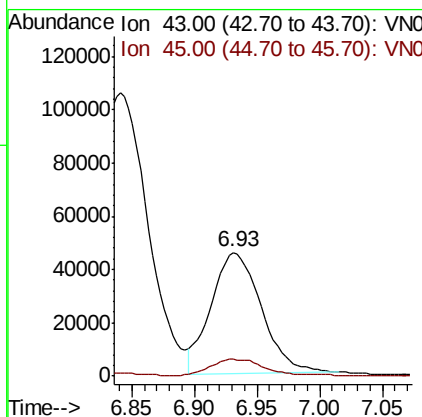
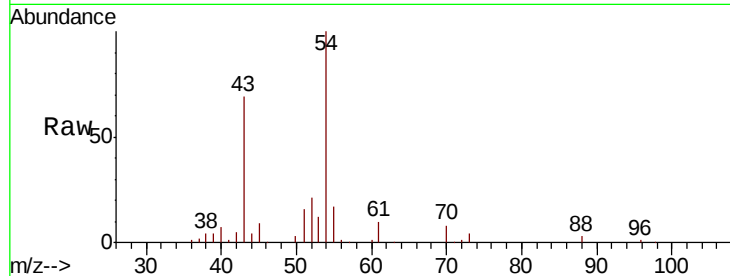
#43
Ethyl Acetate
Concen: 18.16 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion: 43 Resp: 126335
Ion Ratio Lower Upper
43 100
45 13.5 10.2 15.2

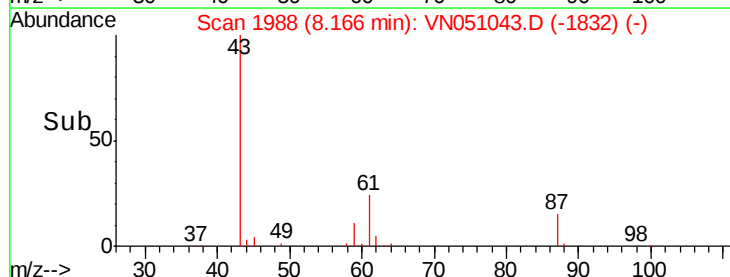
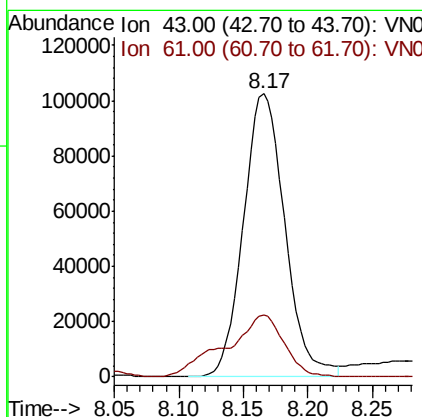
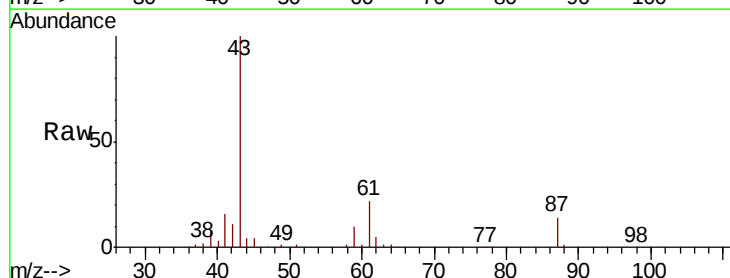
Manual Integrations
APPROVED

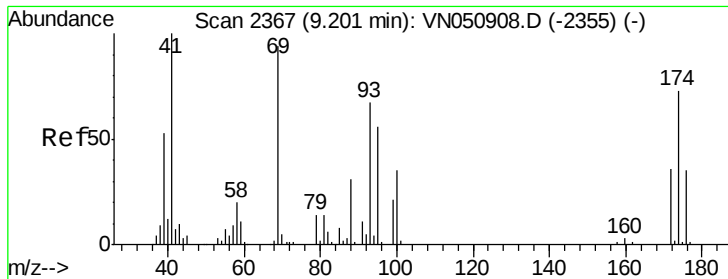
MMDadoda
9/10/2018 11:53:05 AM



#44
Isopropyl Acetate
Concen: 18.66 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion: 43 Resp: 229045
Ion Ratio Lower Upper
43 100
61 21.6 16.3 24.5





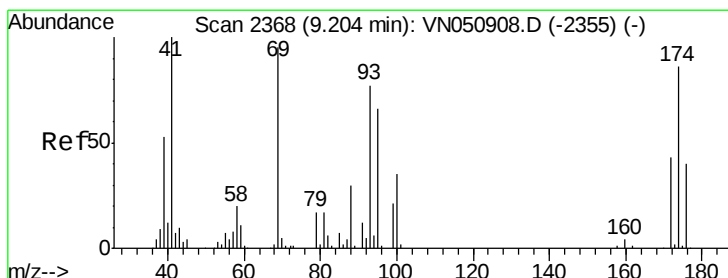
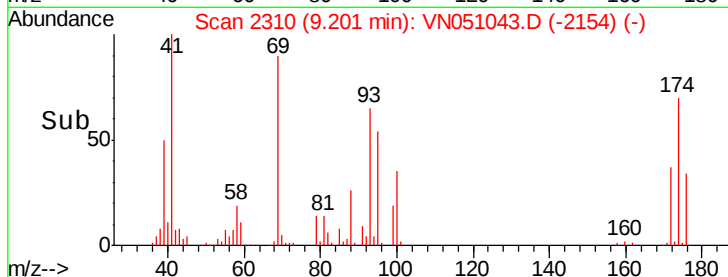
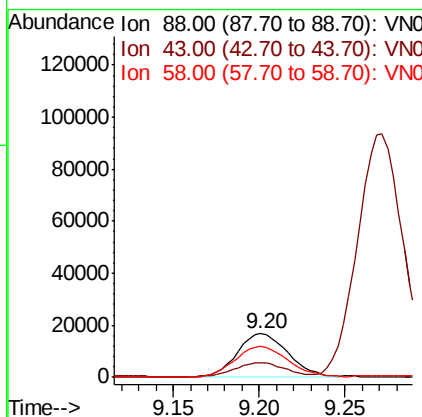
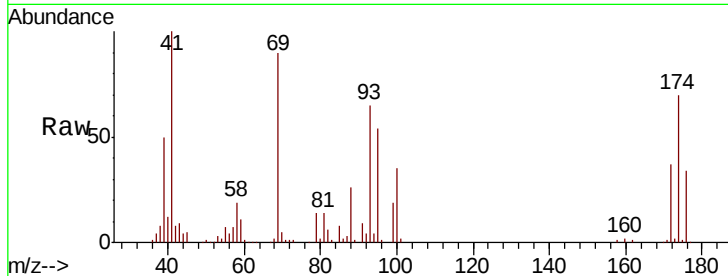
#45
 1,4-Dioxane
 Concen: 381.06 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	23.5	35.3
58	74.0	55.2	82.8

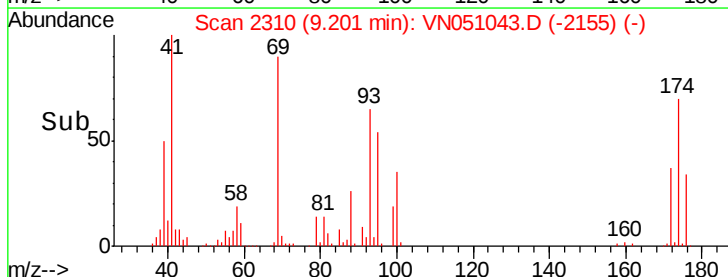
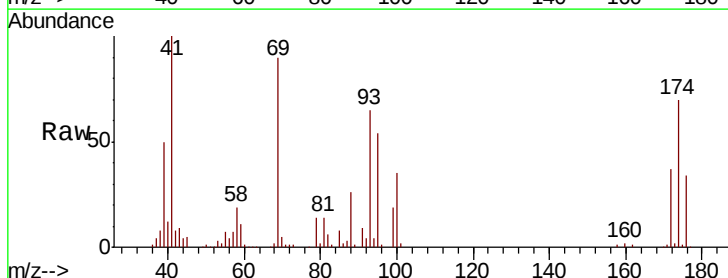
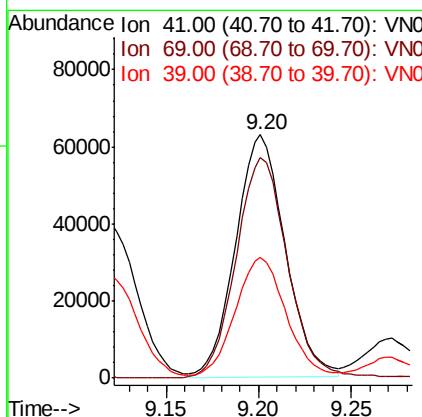
Manual Integrations
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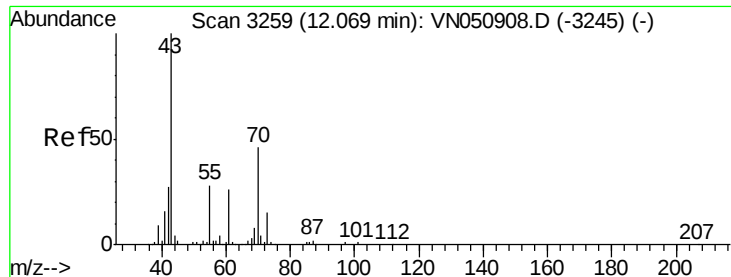
MMDadoda
 9/10/2018 11:53:05 AM



#46
 Methyl methacrylate
 Concen: 19.18 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.3	47.4	142.2
39	49.3	26.6	79.7





#47

n-amvl Acetate

Concen: 18.13 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

Tot Ion: 43 Resp: 178996

Ion Ratio Lower Upper

43 100

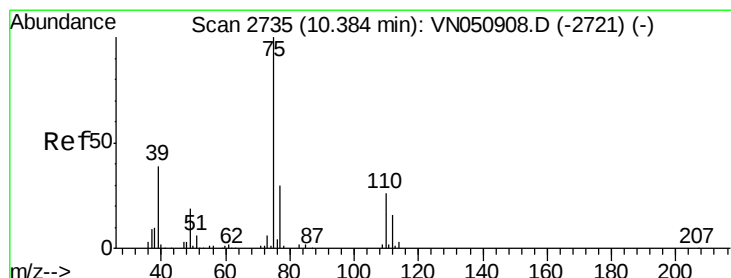
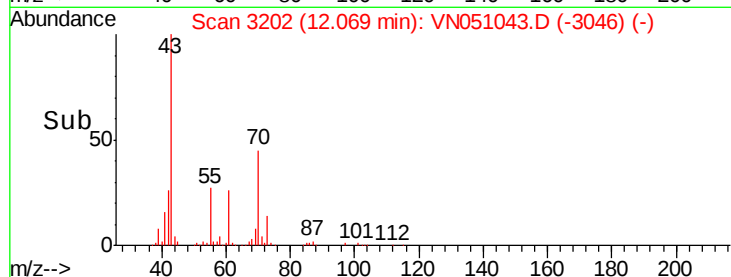
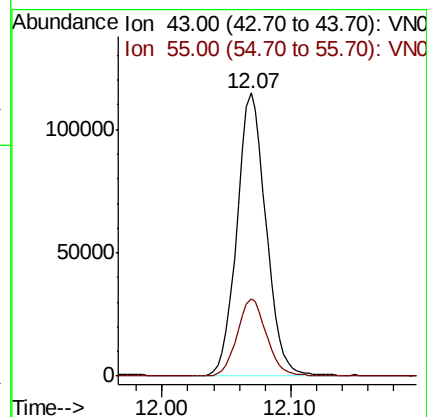
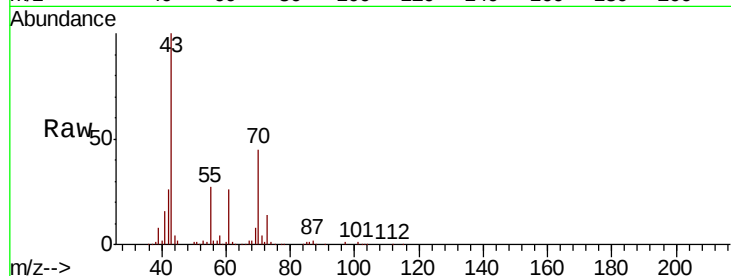
55 27.7 23.0 34.4

Manual Integrations

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MMDadoda

9/10/2018 11:53:05 AM



#48

t-1,3-Dichloropropene

Concen: 18.46 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051043.D

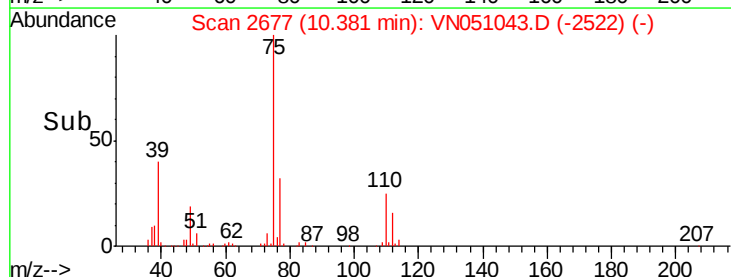
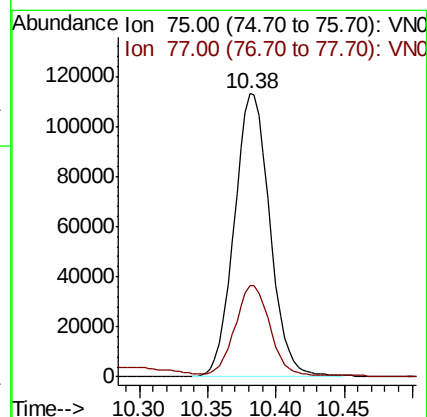
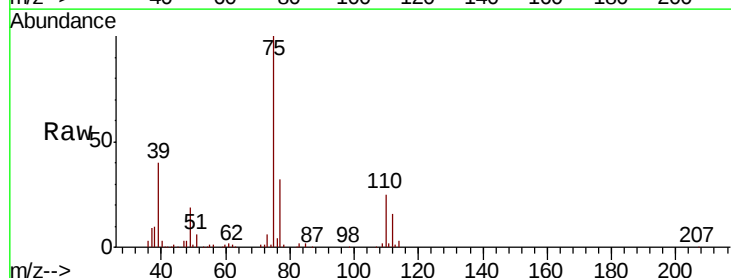
Acq: 7 Sep 2018 9:35

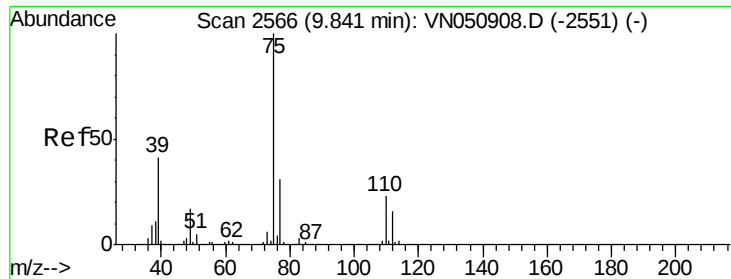
Tgt Ion: 75 Resp: 204971

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2





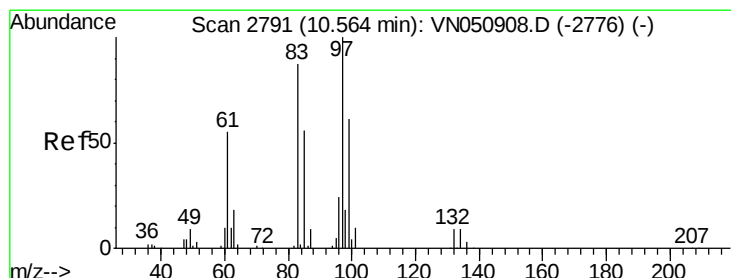
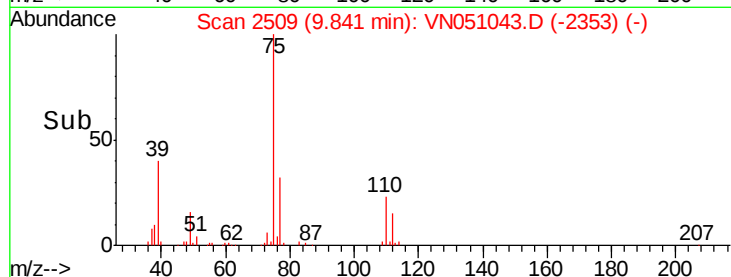
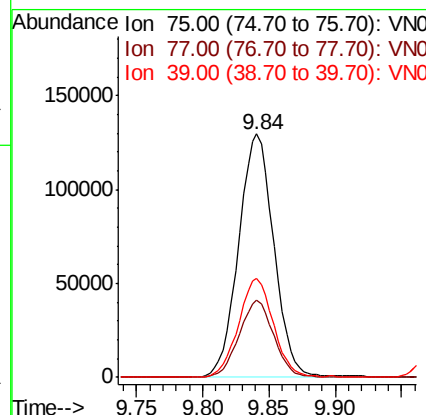
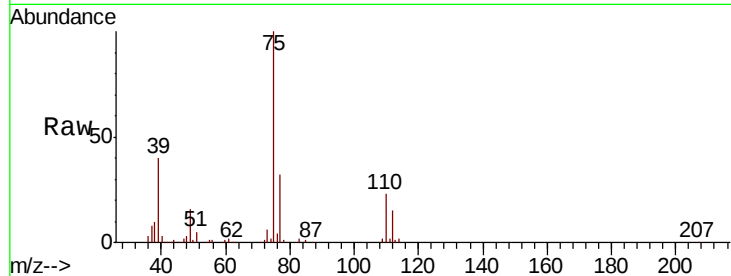
#49
 cis-1,3-Dichloropropene
 Concen: 18.76 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4
39	40.3	32.9	49.3

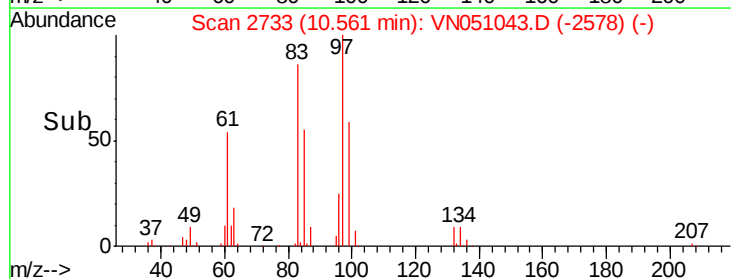
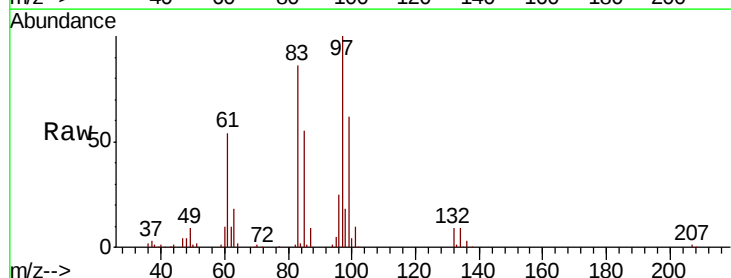
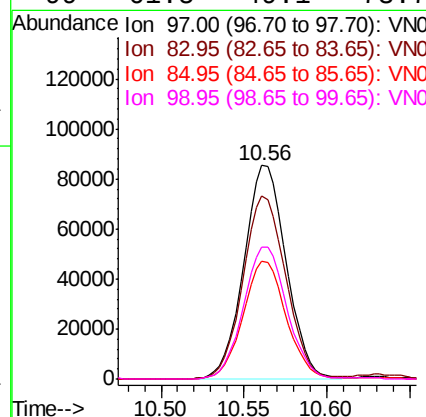
Manual Integrations
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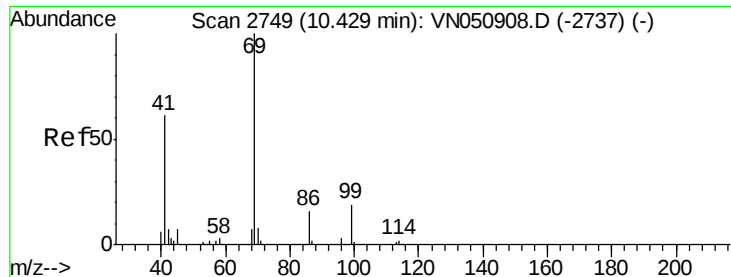
MMDadoda
 9/10/2018 11:53:05 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.44 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.8	104.6
85	55.0	45.0	67.6
99	61.5	49.1	73.7





#51

Ethyl methacrylate

Concen: 18.32 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

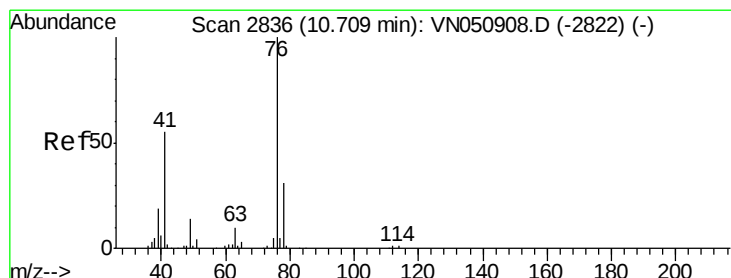
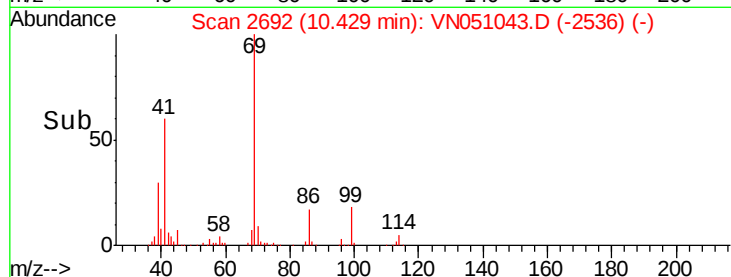
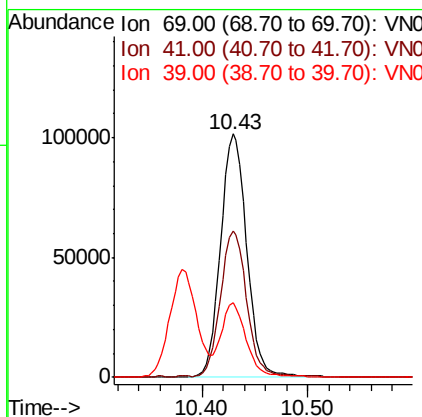
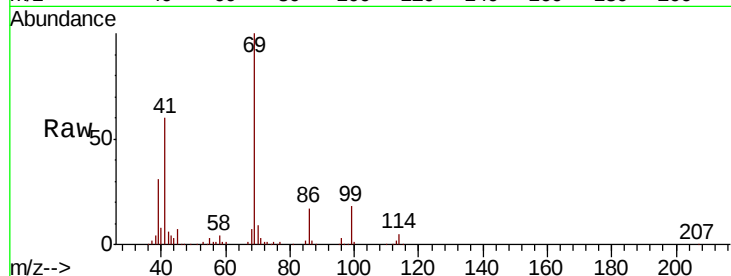
ClientSampled :

VN0907WBS01

Tot Ion:	69	Resp:	174984
Ion	Ratio	Lower	Upper
69	100		
41	59.7	30.5	91.5
39	30.4	15.3	45.8

Manual Integrations
APPROVED

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9/10/2018 11:53:05 AM



#52

1,3-Dichloropropane

Concen: 19.29 ug/l

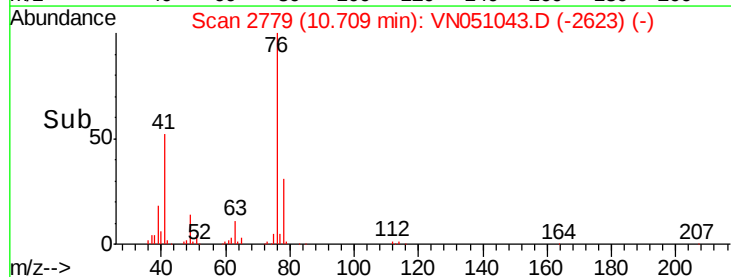
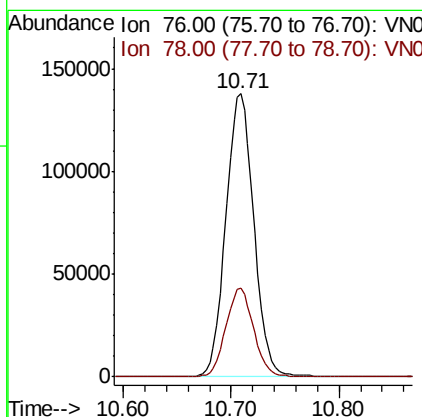
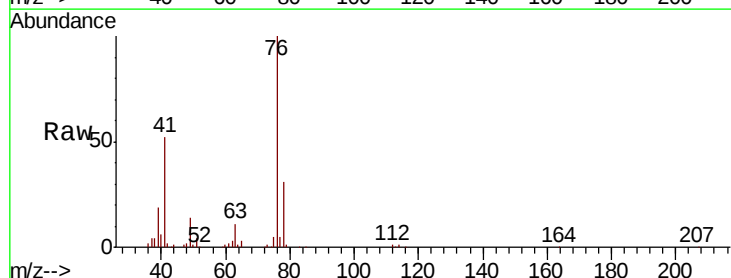
RT: 10.71 min Scan# 2779

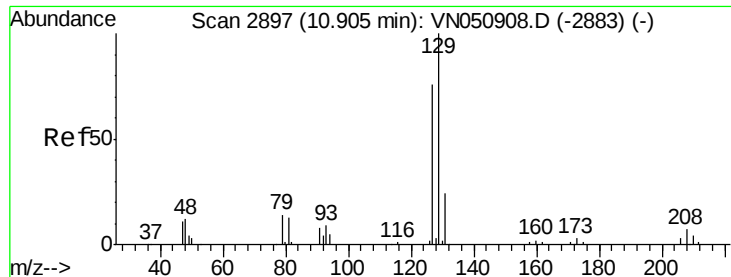
Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Tgt Ion:	76	Resp:	249520
Ion	Ratio	Lower	Upper
76	100		
78	30.9	0.0	63.4





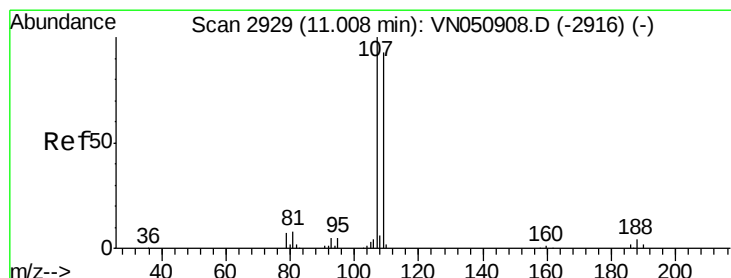
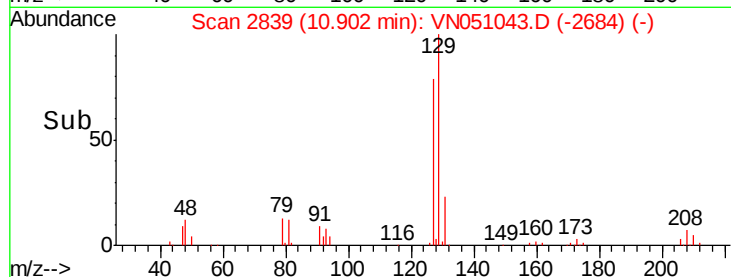
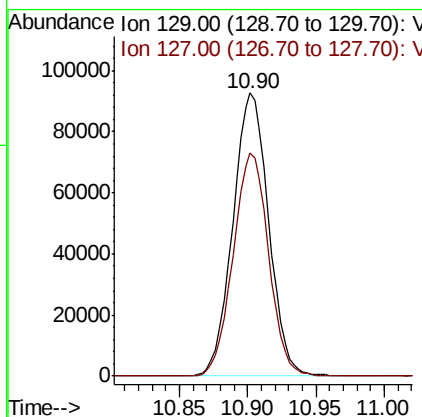
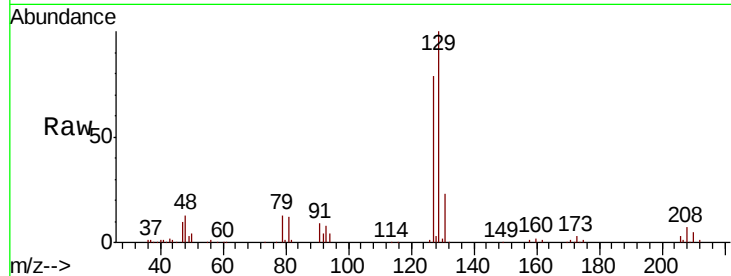
#53
 Dibromochloromethane
 Concen: 18.99 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.0	116.9

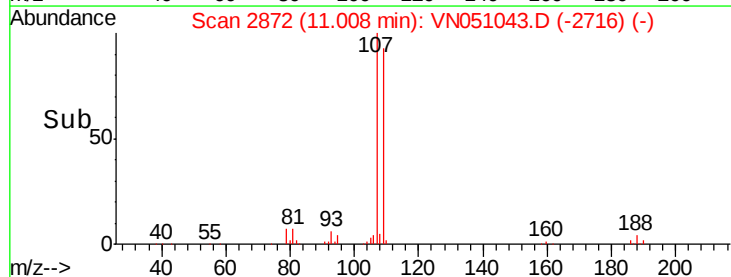
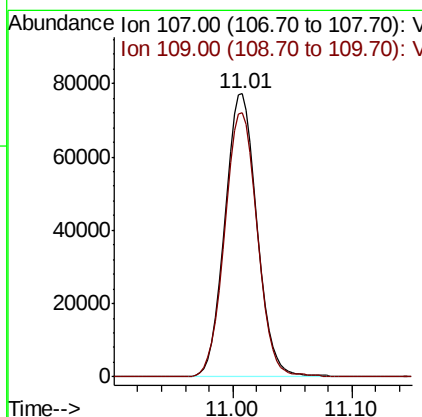
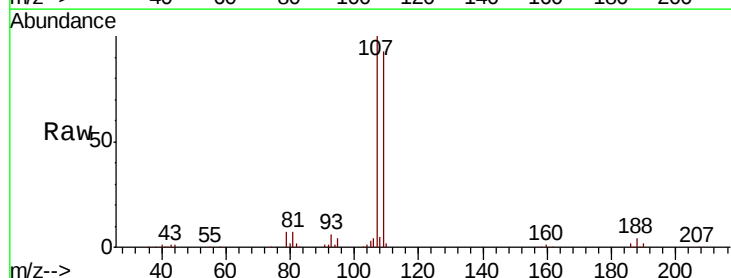
Manual Integrations
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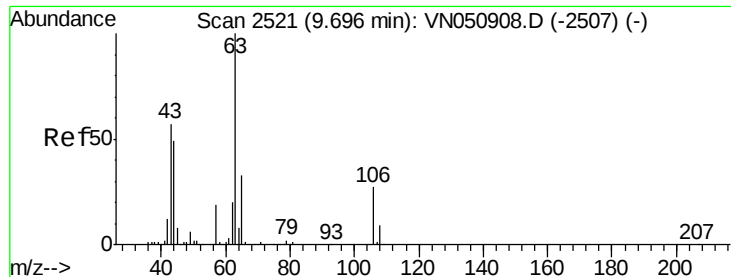
MMDadoda
 9/10/2018 11:53:05 AM



#54
 1,2-Dibromoethane
 Concen: 18.71 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.0	74.4	111.6





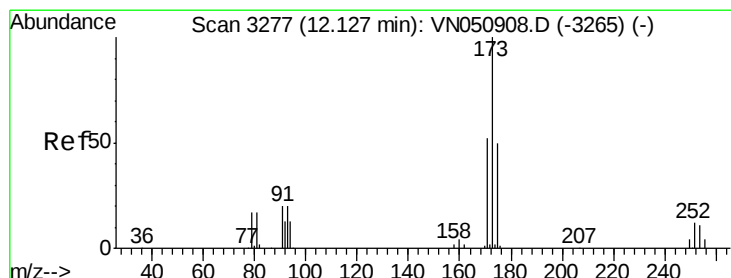
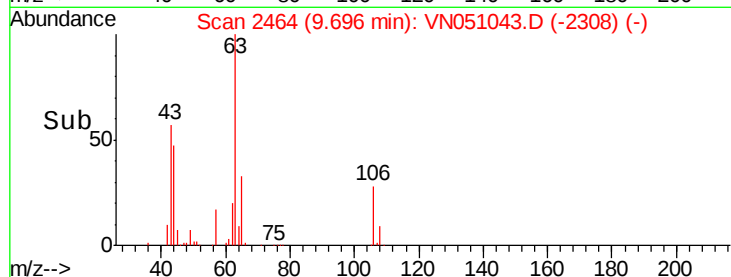
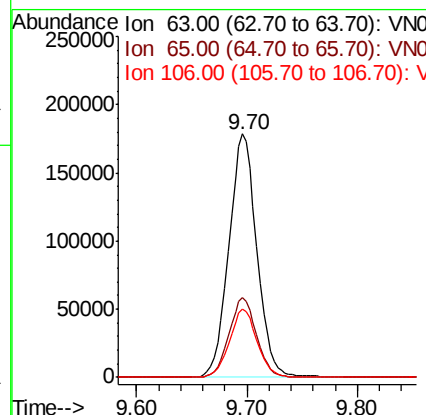
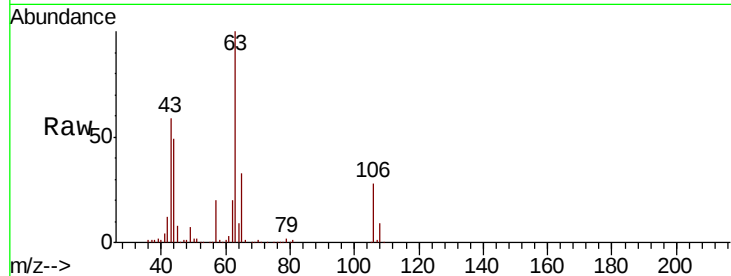
#55
2-Chloroethyl vinyl ether
Concen: 78.94 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.4	38.2
106	27.8	22.0	33.0

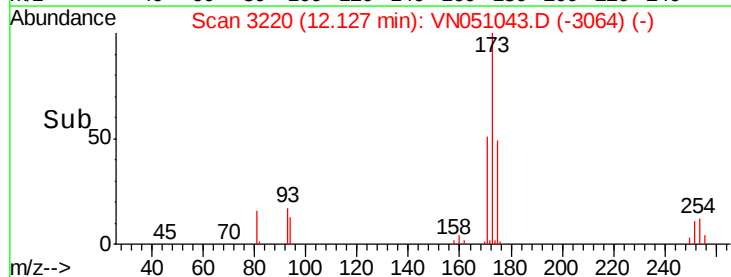
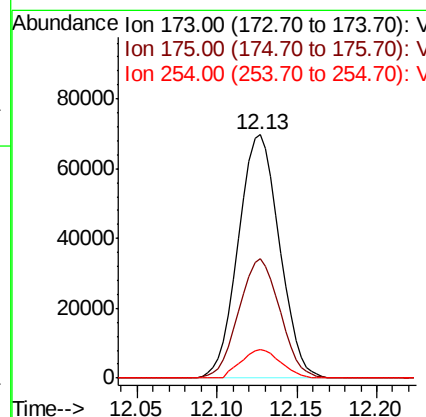
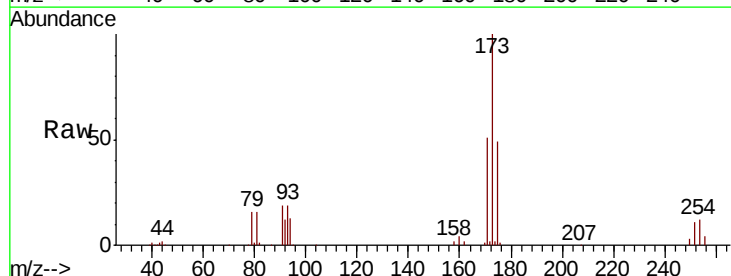
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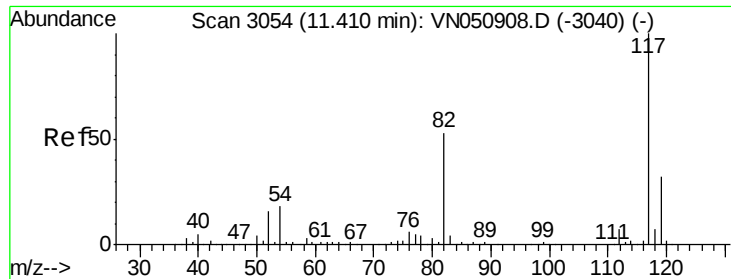
MMDadoda
9/10/2018 11:53:05 AM



#56
Bromoform
Concen: 19.38 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.2	58.8
254	11.2	9.0	13.6





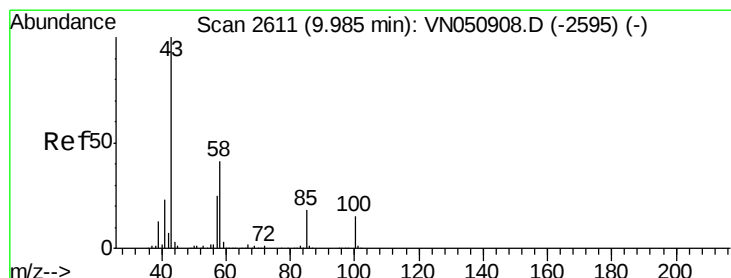
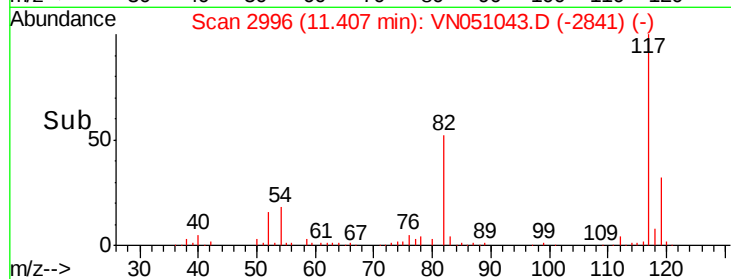
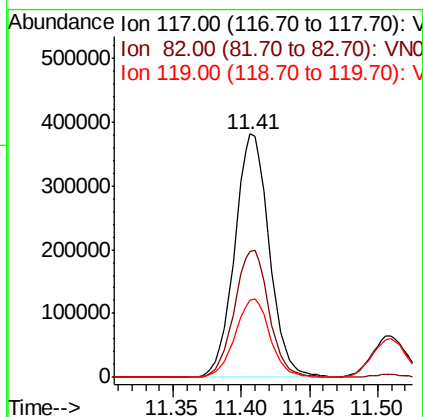
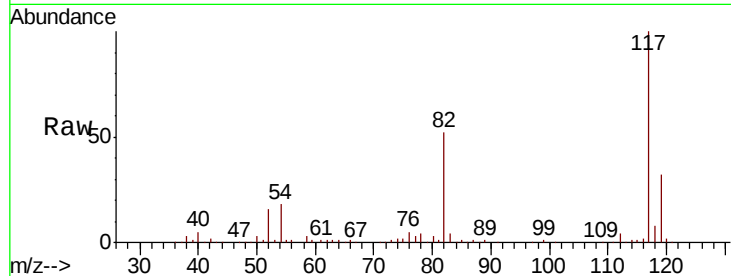
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.6	64.0
119	32.3	25.7	38.5

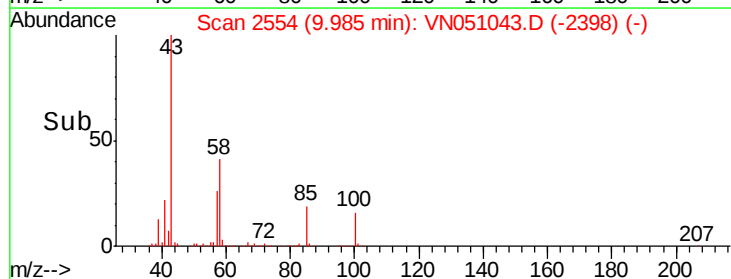
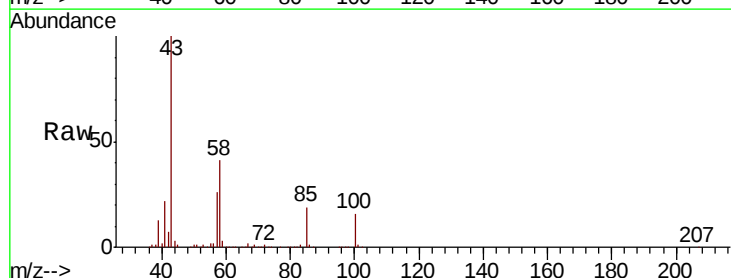
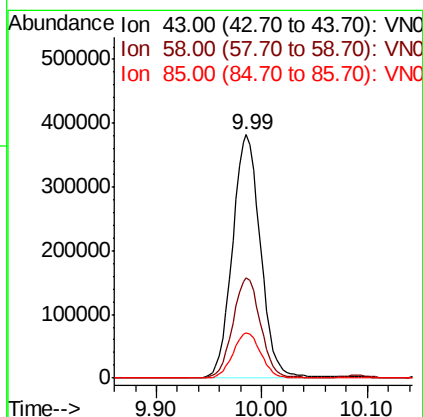
Manual Integrations
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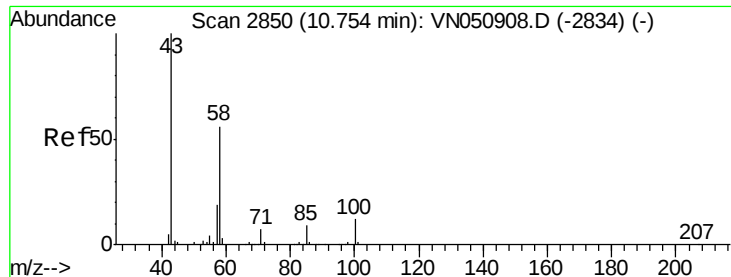
MMDadoda
9/10/2018 11:53:05 AM



#58
4-Methyl-2-Pentanone
Concen: 91.38 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

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





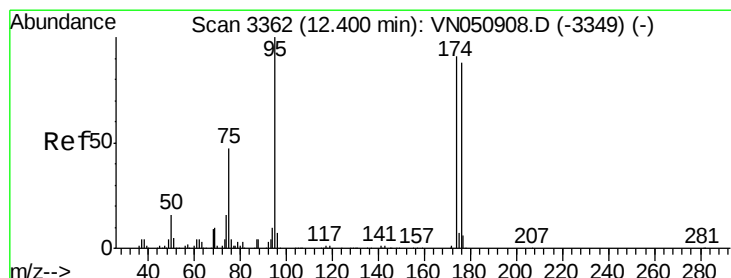
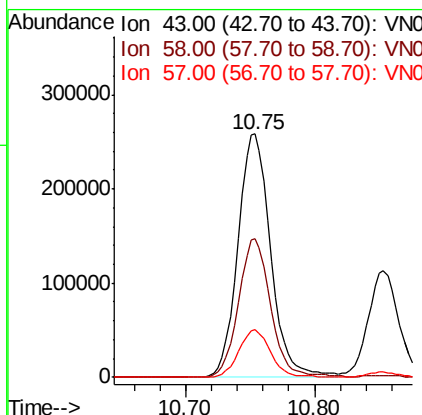
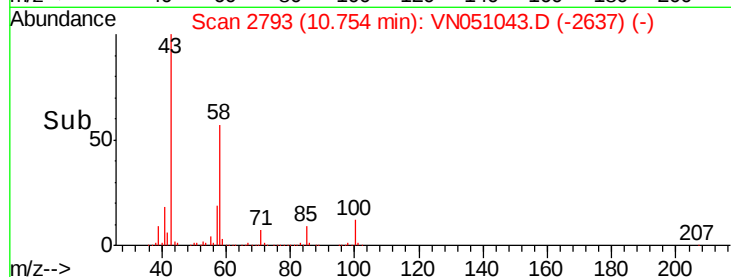
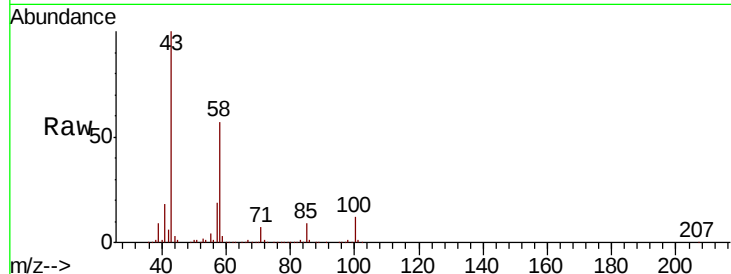
#59
2-Hexanone
Concen: 90.66 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	45.5	68.3
57	19.3	15.2	22.8

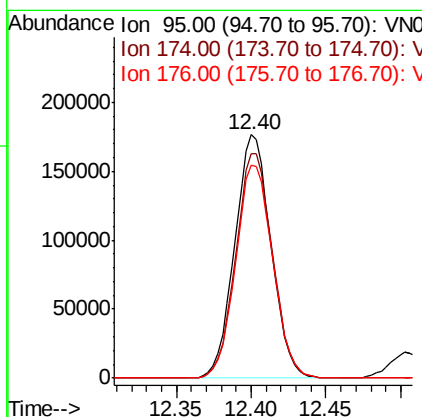
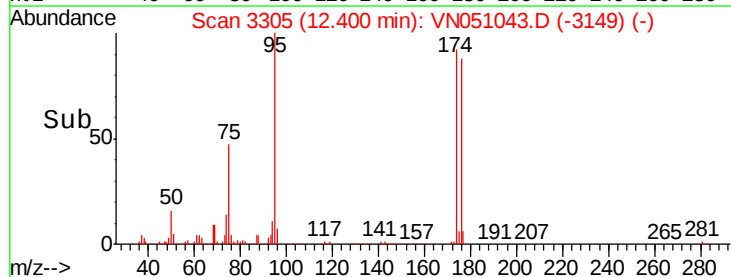
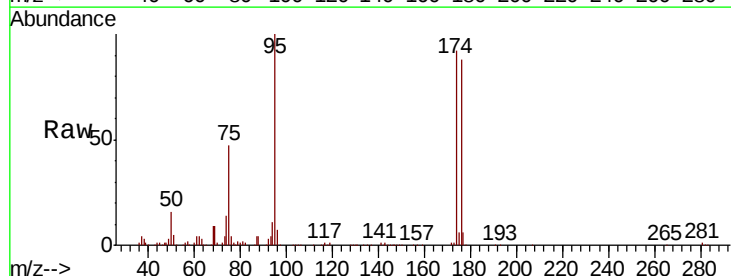
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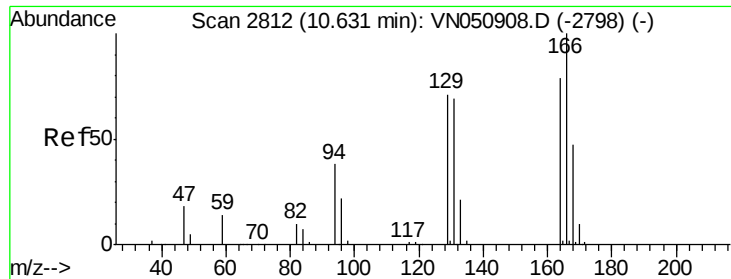
MMDadoda
9/10/2018 11:53:05 AM



#60
4-Bromofluorobenzene
Concen: 29.83 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.7	74.6	112.0
176	89.7	71.5	107.3





#61

Tetrachloroethene

Concen: 18.41 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

Tot Ion:164 Resp: 153575

Ion Ratio Lower Upper

164 100

166 128.2 100.6 151.0

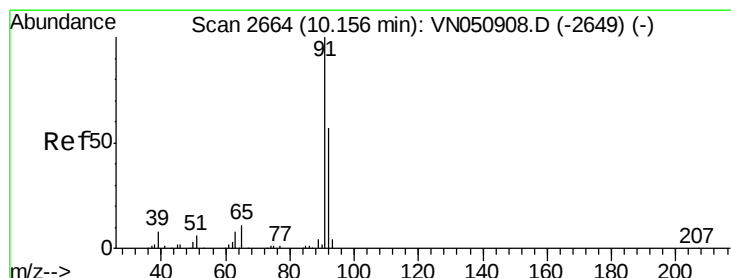
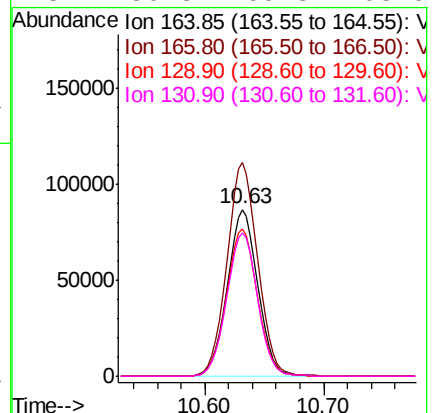
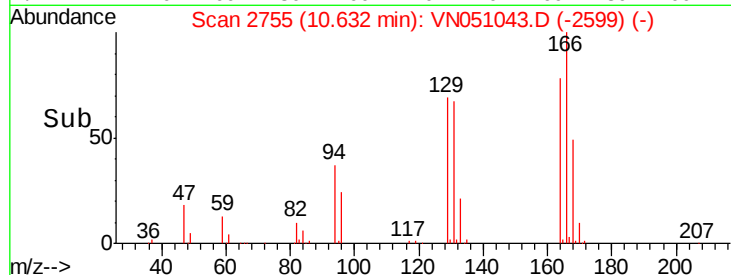
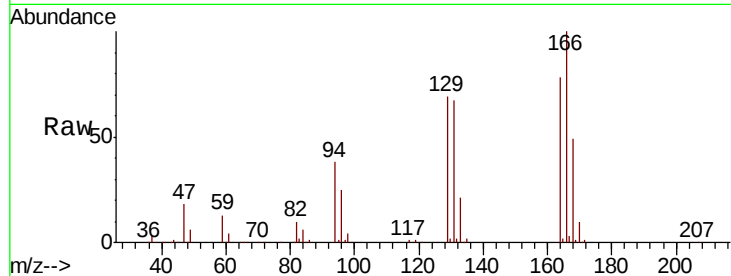
129 88.5 71.0 106.6

131 86.3 69.3 103.9

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#62

Toluene

Concen: 18.19 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051043.D

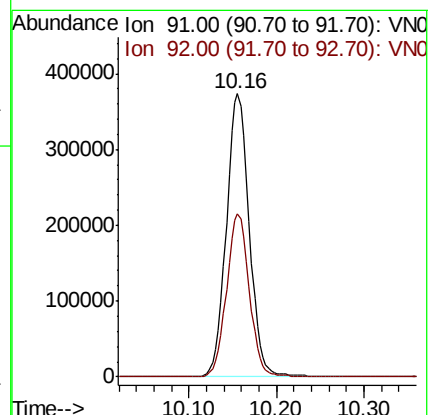
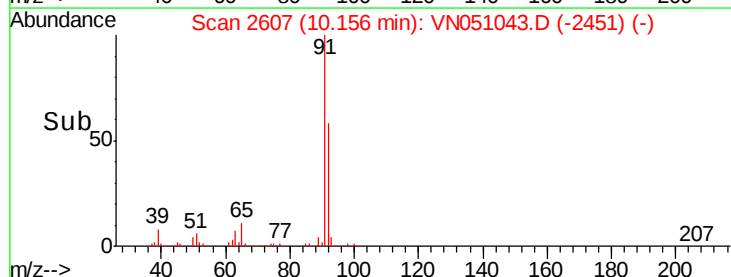
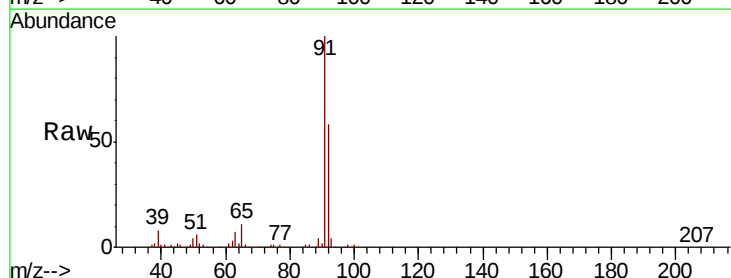
Acq: 7 Sep 2018 9:35

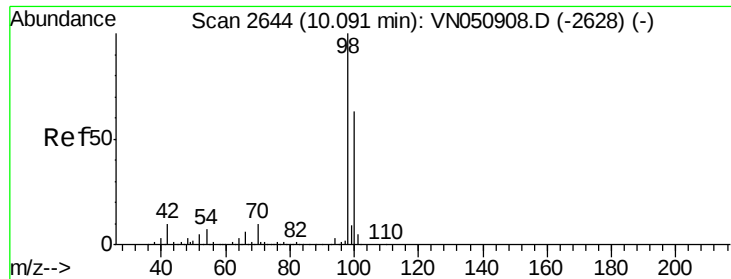
Tgt Ion: 91 Resp: 679501

Ion Ratio Lower Upper

91 100

92 57.3 45.8 68.8





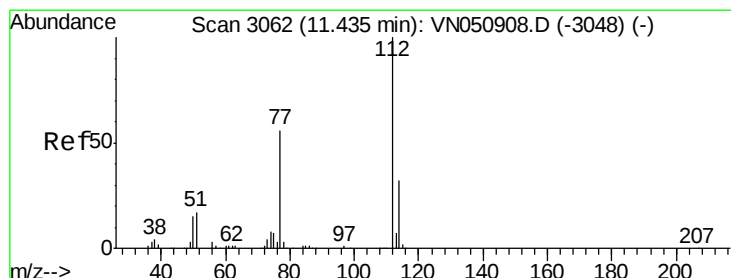
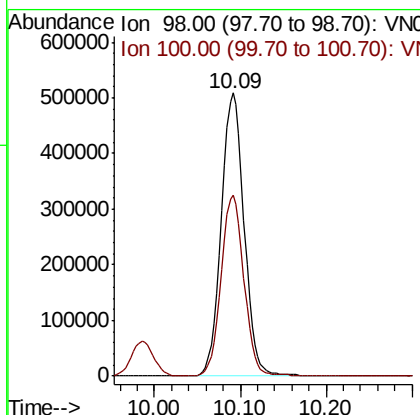
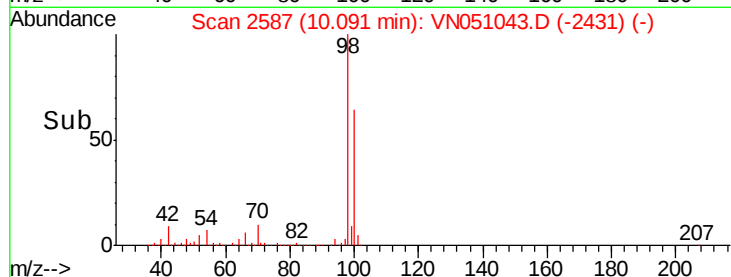
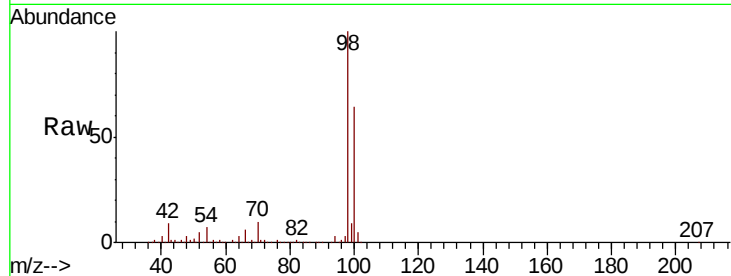
#63
Toluene-d8
Concen: 30.17 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion: 98 Resp: 942024
Ion Ratio Lower Upper
98 100
100 63.4 50.6 75.8

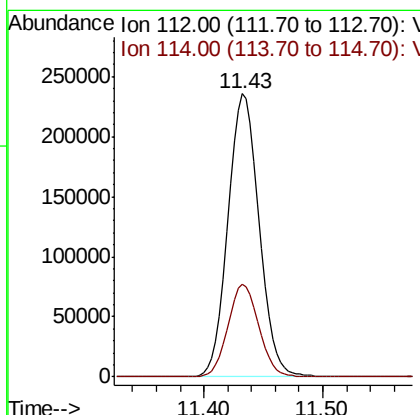
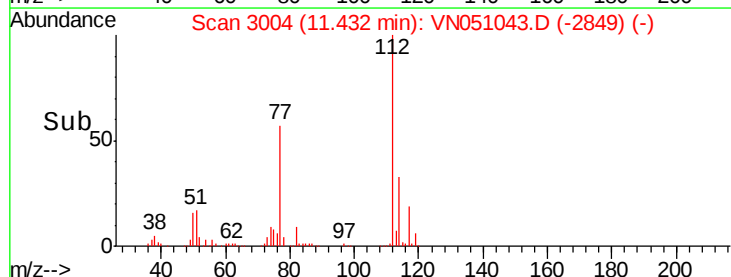
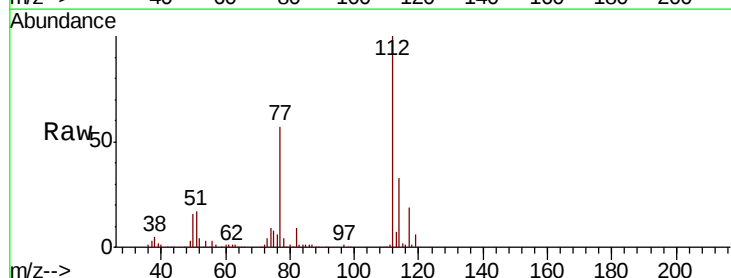
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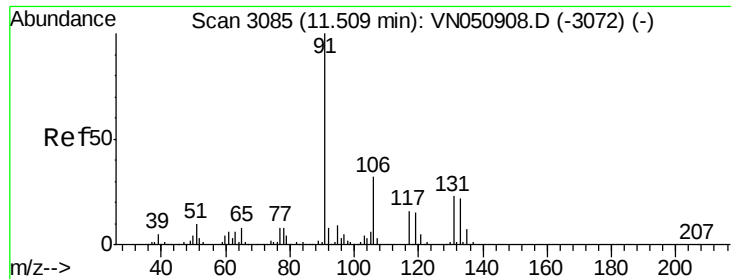
MMDadoda
9/10/2018 11:53:05 AM



#64
Chlorobenzene
Concen: 18.47 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion: 112 Resp: 427554
Ion Ratio Lower Upper
112 100
114 32.7 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 18.73 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

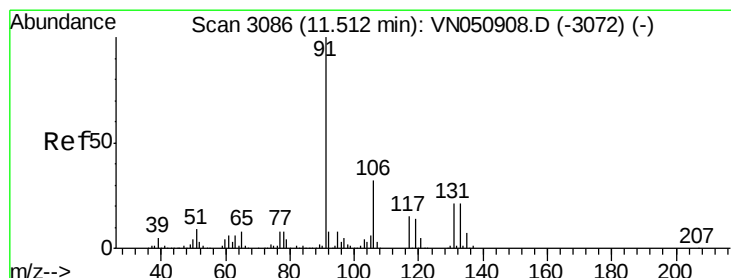
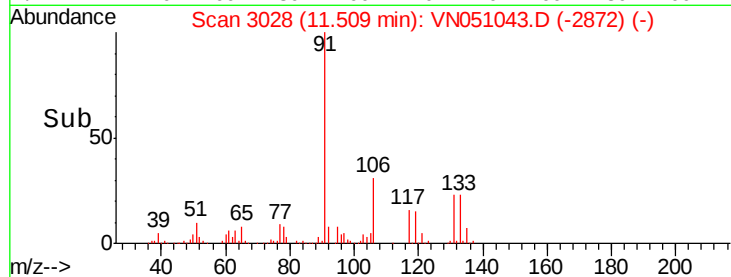
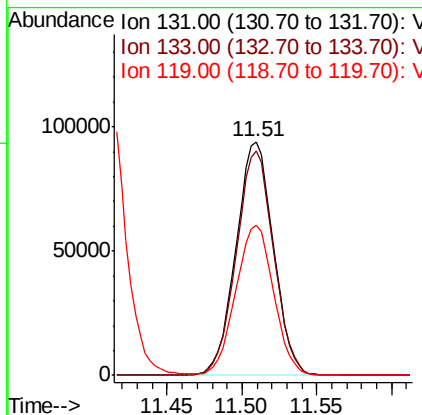
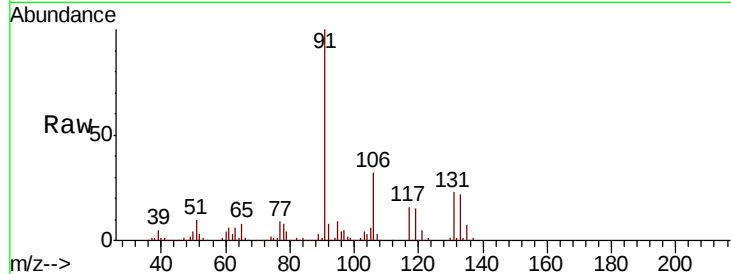
ClientSampleId :

VN0907WBS01

Tot Ion:	131	Resp:	163705
Ion Ratio	Lower	Upper	
131	100		
133	95.7	0.0	189.4
119	65.2	0.0	132.2

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#66

Ethyl Benzene

Concen: 17.69 ug/l

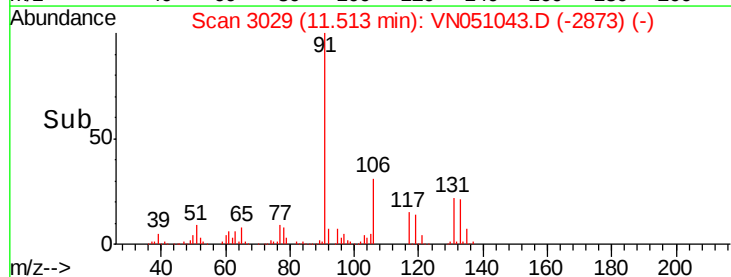
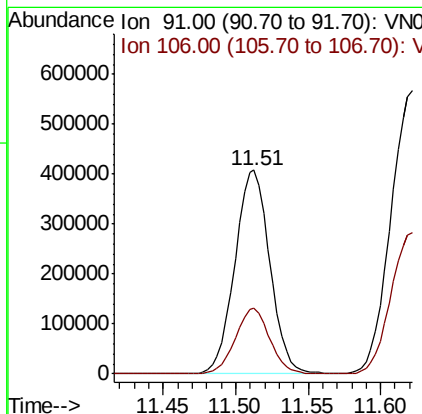
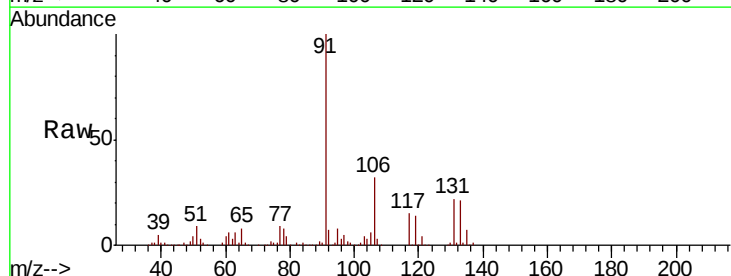
RT: 11.51 min Scan# 3029

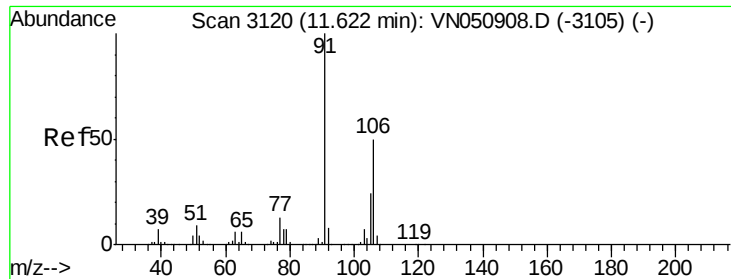
Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Tgt Ion:	91	Resp:	684478
Ion Ratio	Lower	Upper	
91	100		
106	32.1	25.7	38.5





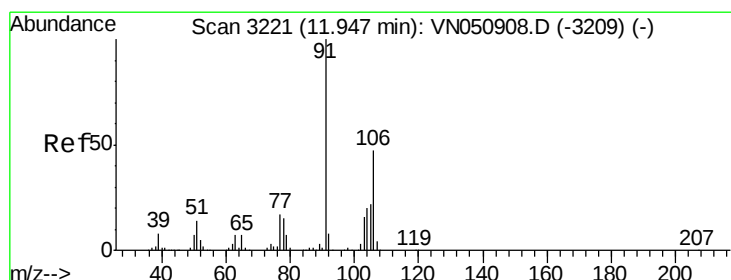
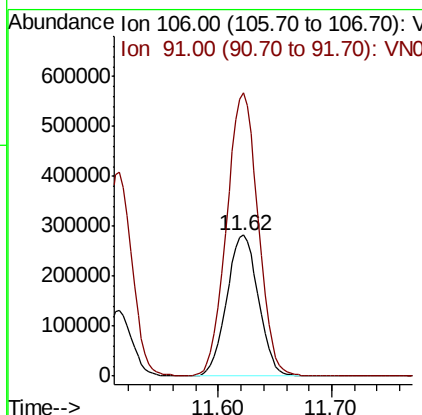
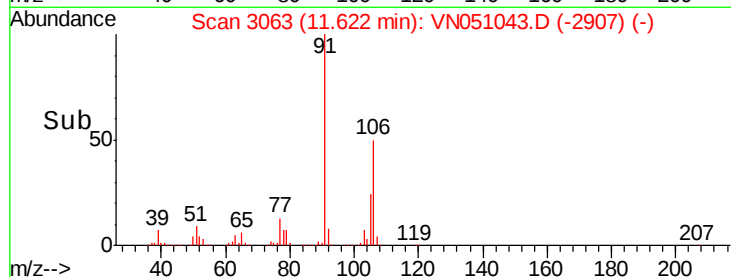
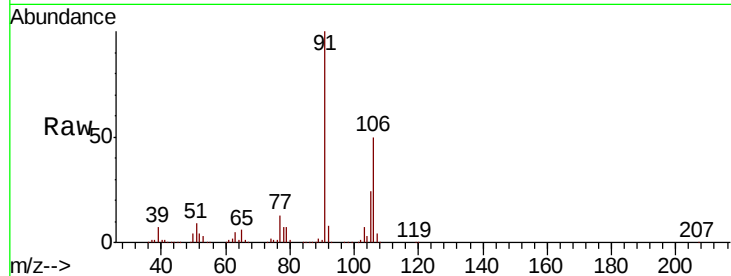
#67
m/p-Xylenes
Concen: 37.02 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Instrument :
MSVOA_N
ClientSampled :
VN0907WBS01

Tot Ion:106 Resp: 551141
Ion Ratio Lower Upper
106 100
91 199.6 160.6 241.0

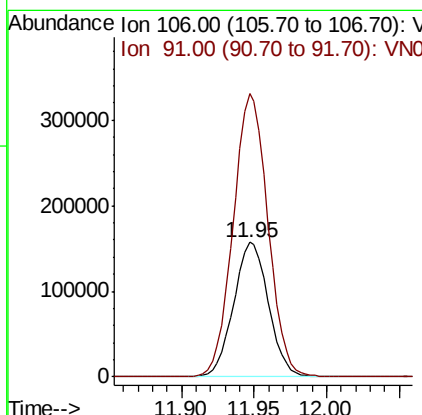
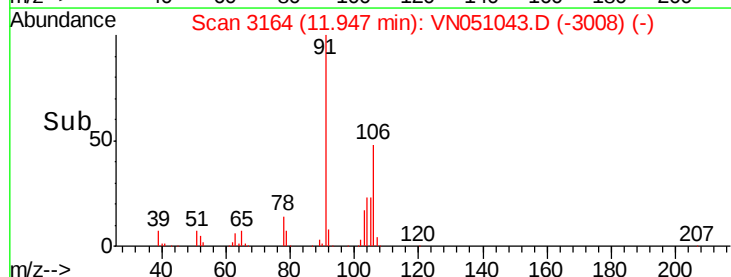
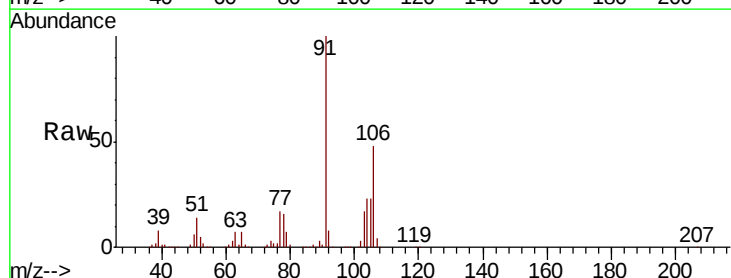
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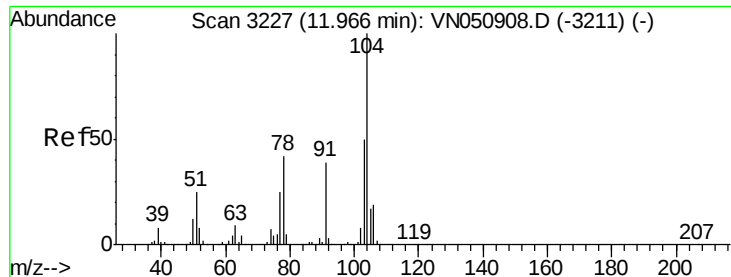
MMDadoda
9/10/2018 11:53:05 AM



#68
o-Xylene
Concen: 18.41 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion:106 Resp: 261911
Ion Ratio Lower Upper
106 100
91 210.0 106.4 319.2





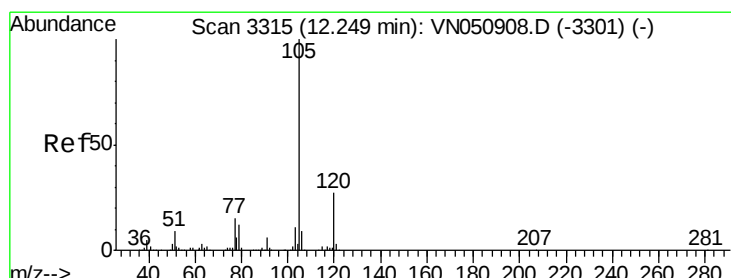
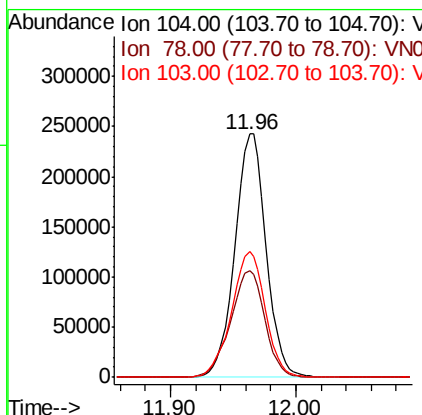
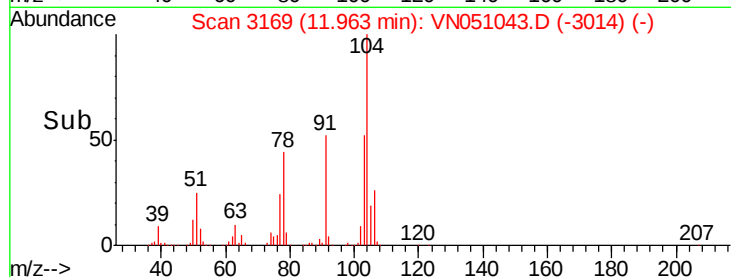
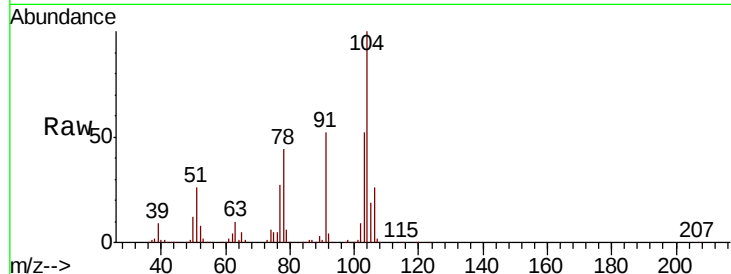
#69
Stvrene
Concen: 18.51 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	418659		
78	48.2		38.6	58.0
103	55.9		45.4	68.2

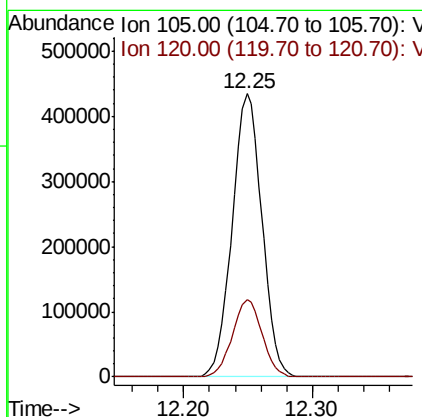
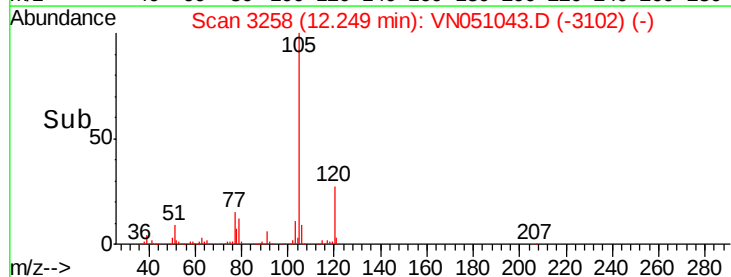
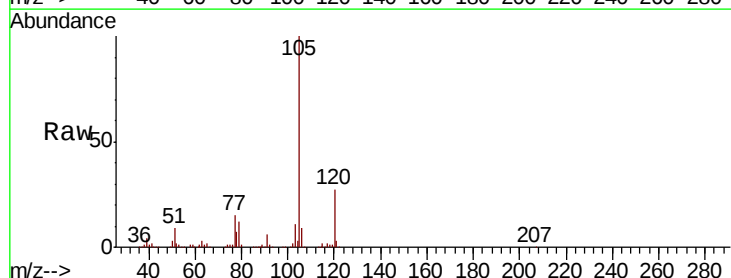
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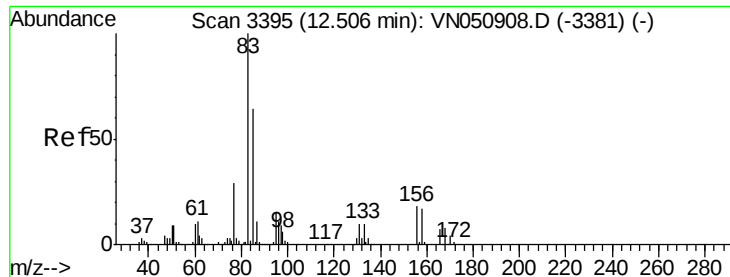
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9/10/2018 11:53:05 AM



#70
Isopropylbenzene
Concen: 18.42 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	696108		
120	27.1		18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 19.09 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

Tot Ion: 83 Resp: 195418
Ion Ratio Lower Upper

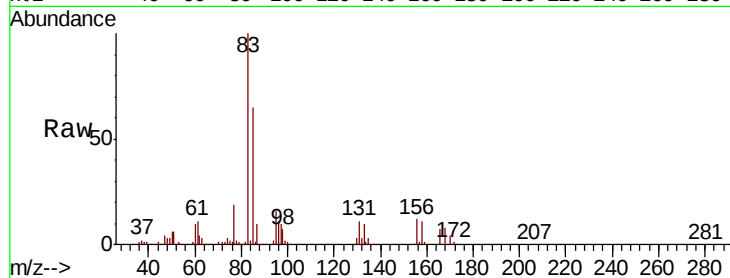
83 100

131 10.8 5.3 15.9

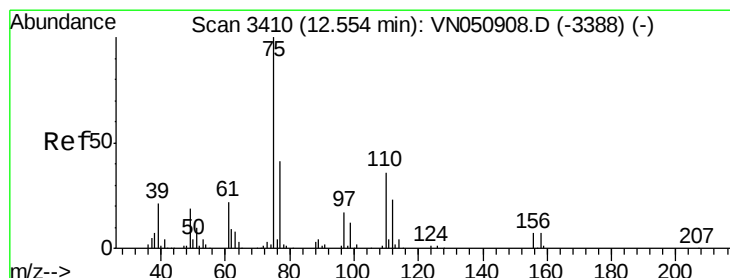
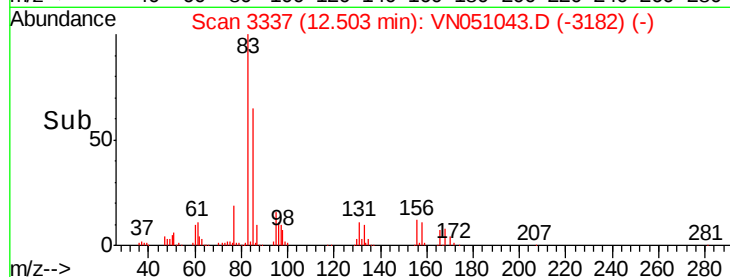
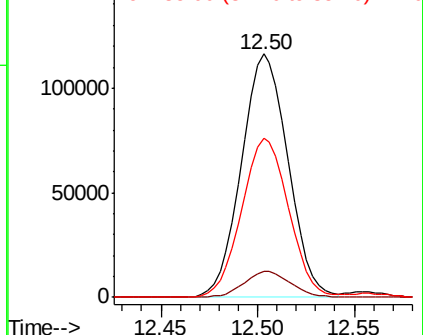
85 66.0 32.3 96.9

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Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VN



#72

1,2,3-Trichloropropane

Concen: 16.39 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

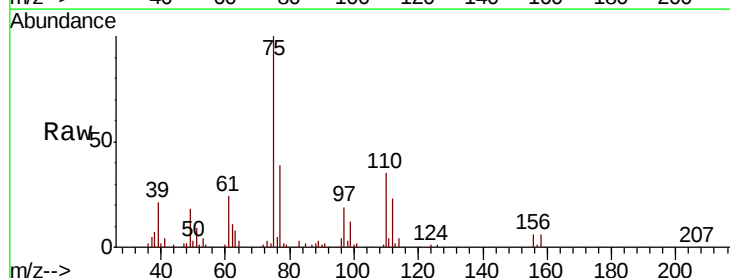
Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

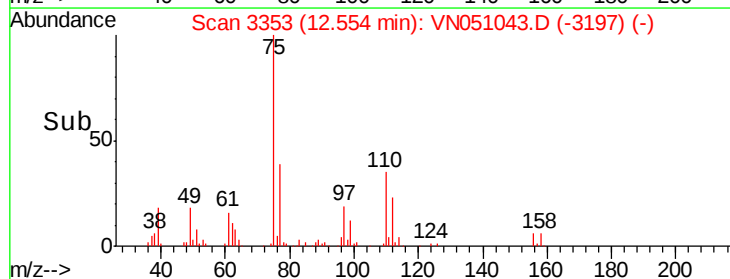
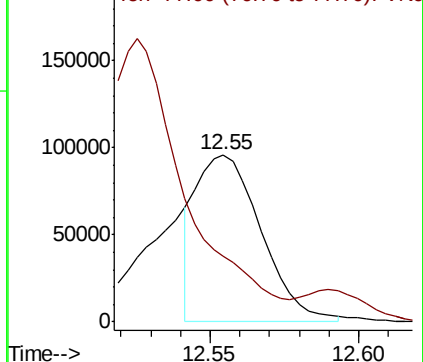
Tgt Ion: 75 Resp: 144728
Ion Ratio Lower Upper

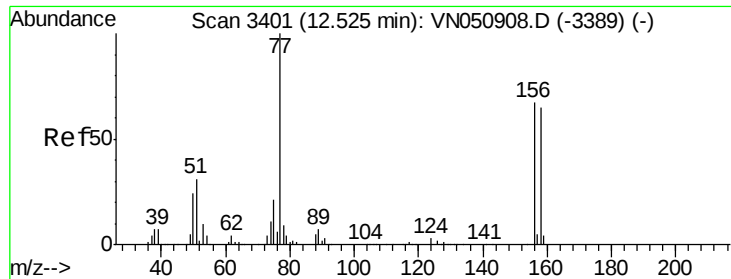
75 100

77 227.0 0.0 301.6



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 18.60 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

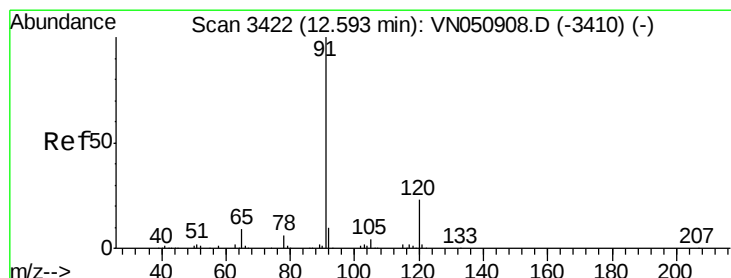
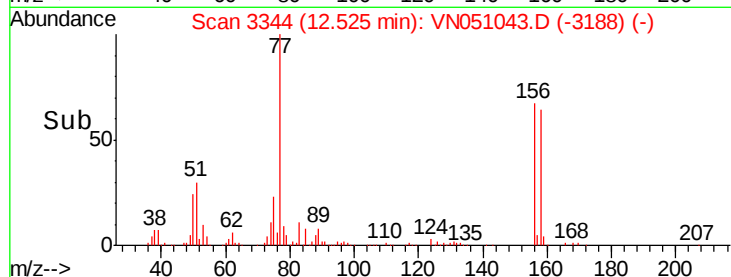
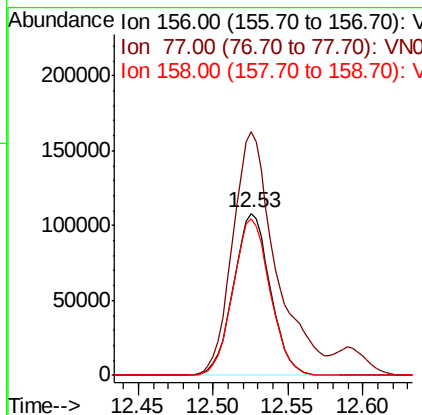
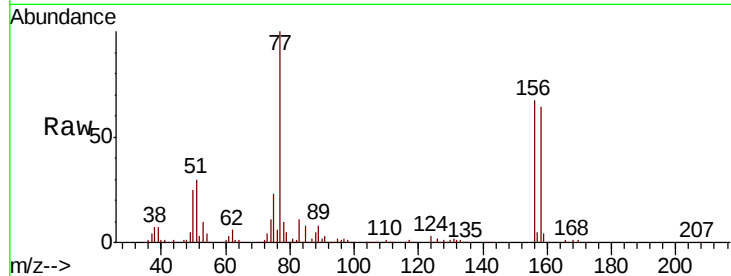
ClientSampleId :

VN0907WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		185028		
77	177.6	0.0	359.4		
158	97.2	0.0	194.6		

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#74

n-propylbenzene

Concen: 18.42 ug/l

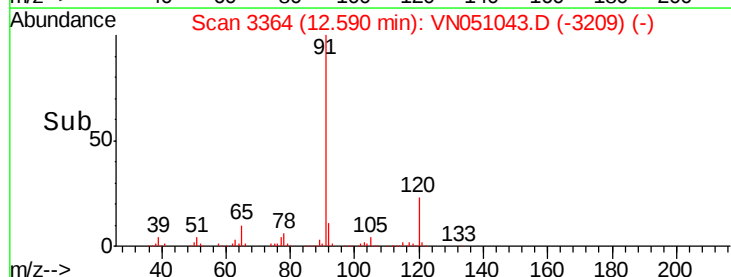
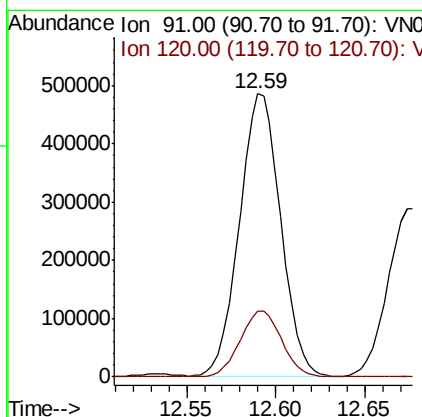
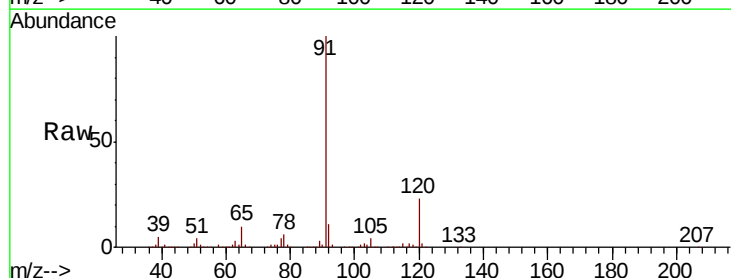
RT: 12.59 min Scan# 3364

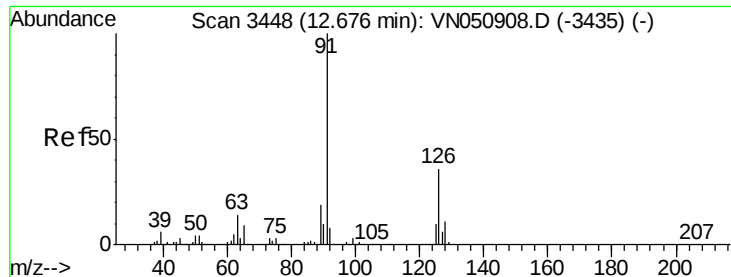
Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		787089		
120	23.4	0.0	46.0		





#75

2-Chlorotoluene

Concen: 18.70 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

Tot Ion: 91 Resp: 485559

Ion Ratio Lower Upper

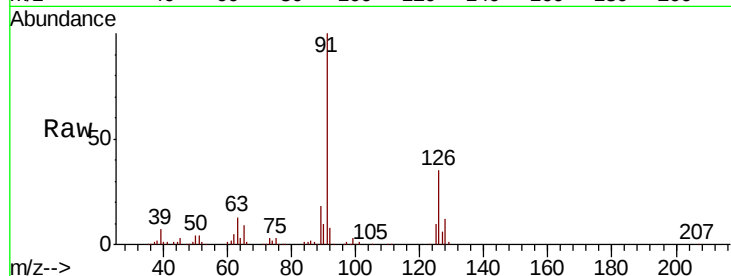
91 100

126 35.2 0.0 71.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN050908.D (-3435) (-)

Ion 126.00 (125.70 to 126.70): VN050908.D (-3435) (-)

500000

400000

300000

200000

100000

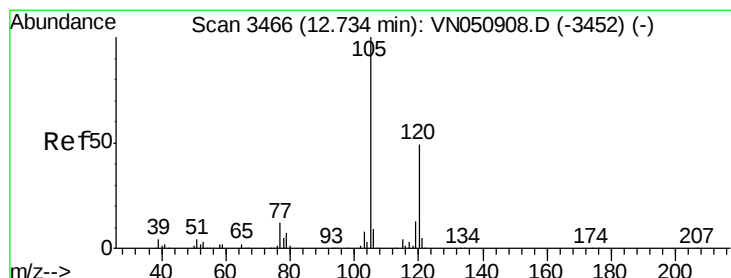
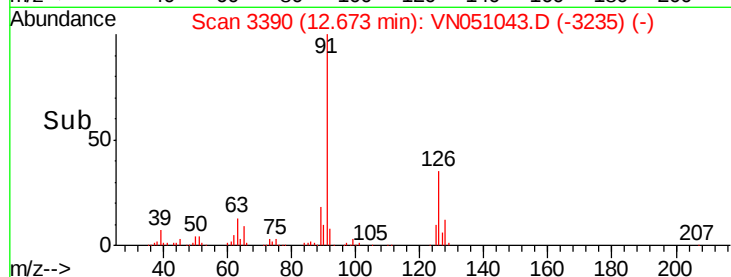
0

12.60

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 18.79 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051043.D

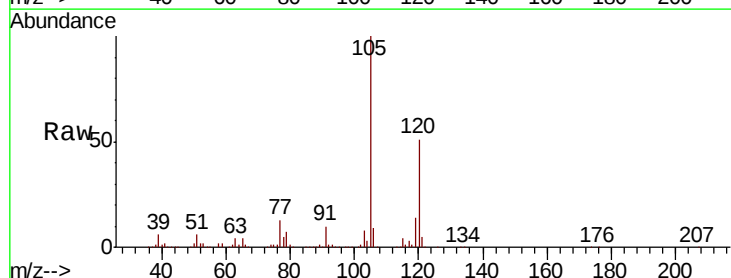
Acq: 7 Sep 2018 9:35

Tgt Ion: 105 Resp: 580478

Ion Ratio Lower Upper

105 100

120 50.8 0.0 99.6



Abundance Ion 105.00 (104.70 to 105.70): VN050908.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN050908.D (-3452) (-)

400000

300000

200000

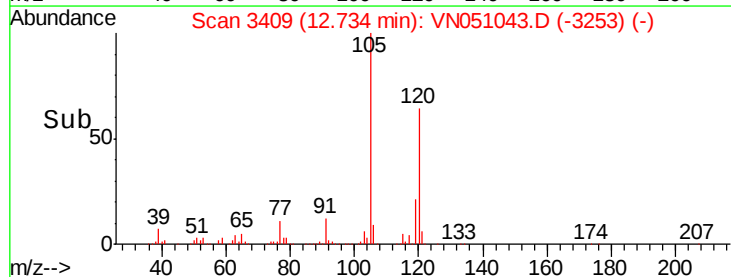
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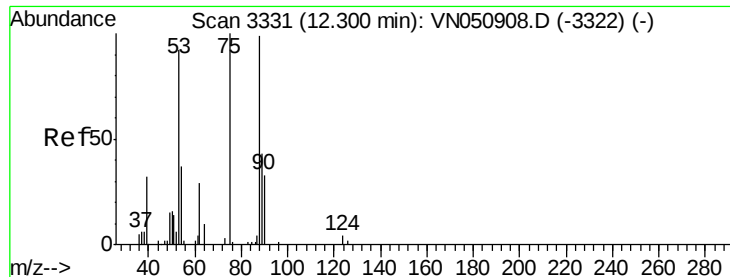
0

12.70

12.80

Time-->





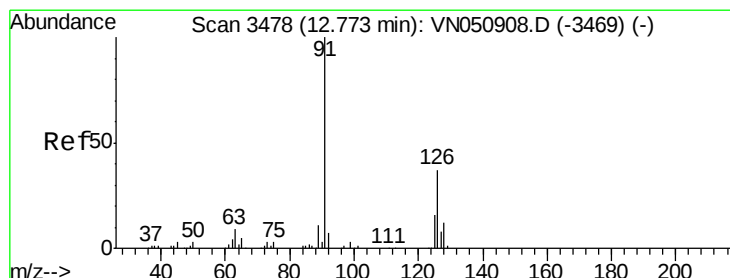
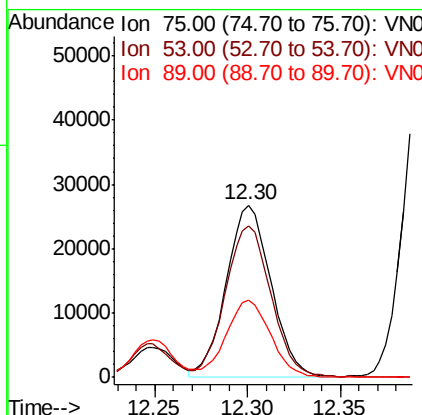
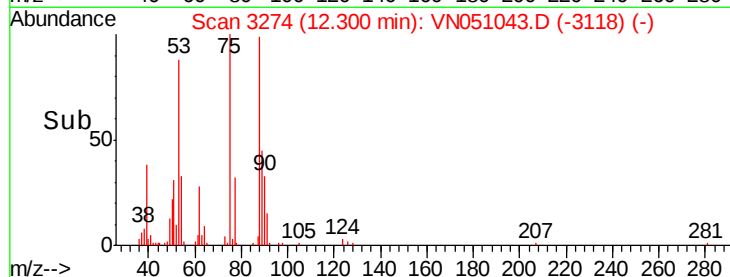
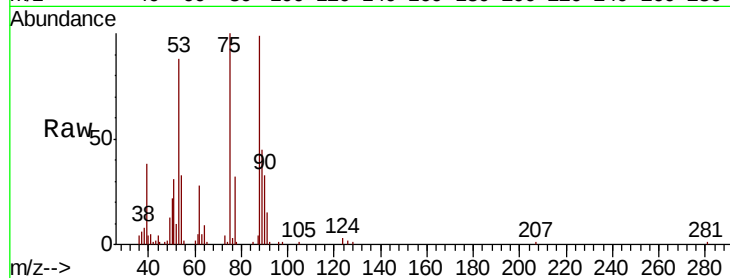
#77
t-1,4-Dichloro-2-butene
Concen: 17.86 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.3	45.5	136.4
89	44.9	21.9	65.8

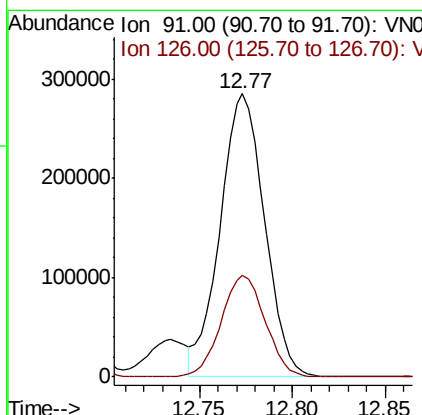
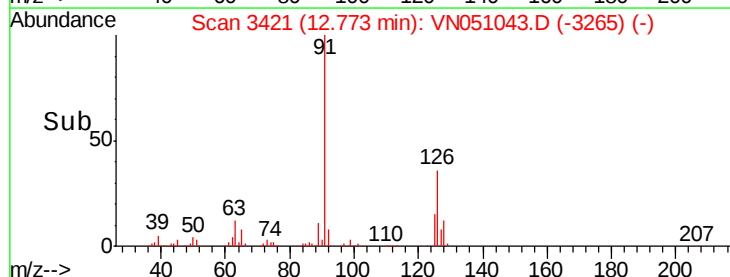
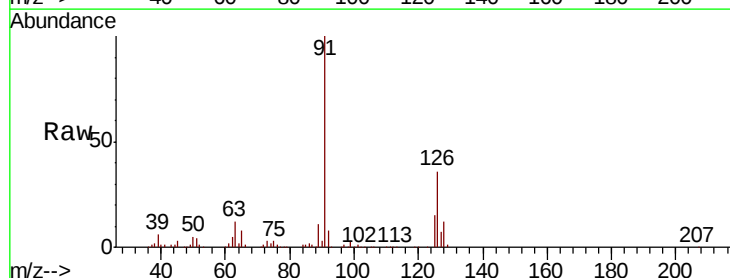
Manual Integrations
APPROVED

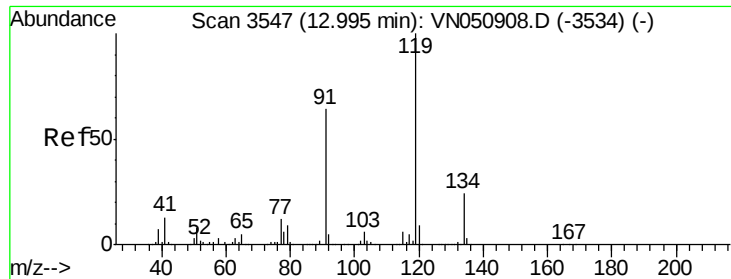
MMDadoda
9/10/2018 11:53:05 AM



#78
4-Chlorotoluene
Concen: 18.55 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	0.0	69.8





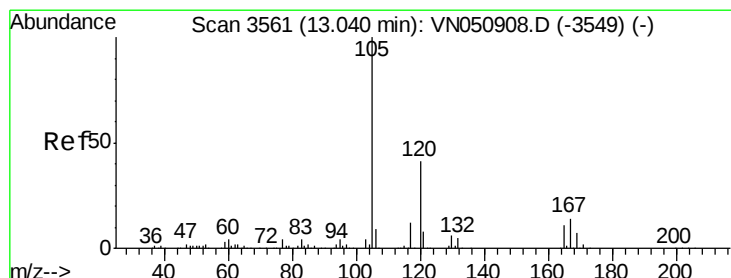
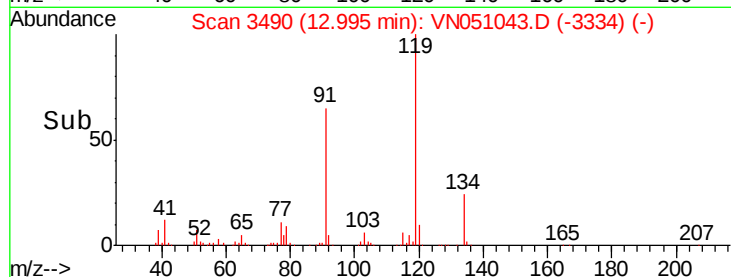
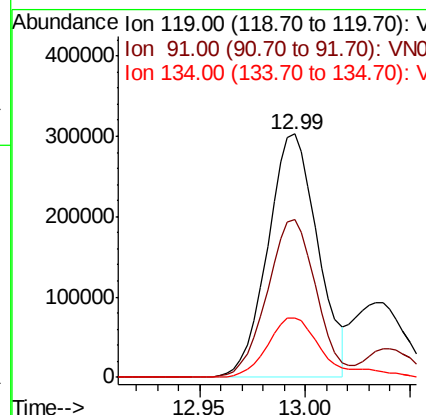
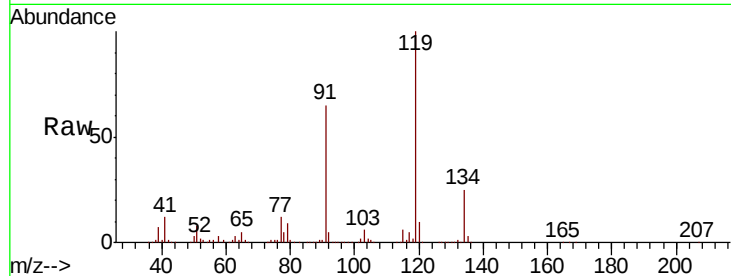
#79
tert-butylbenzene
Concen: 18.62 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Instrument :
MSVOA_N
ClientSampled :
VN0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	499419		
91	63.4	0.0	125.6	
134	25.2	0.0	48.4	

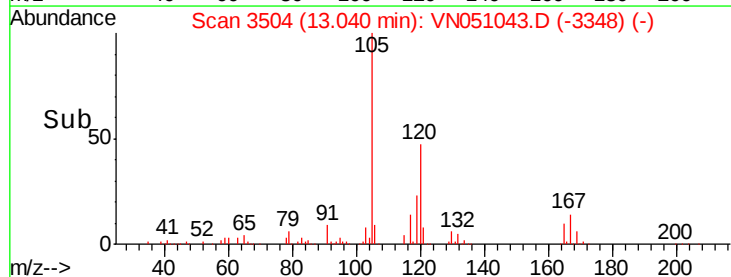
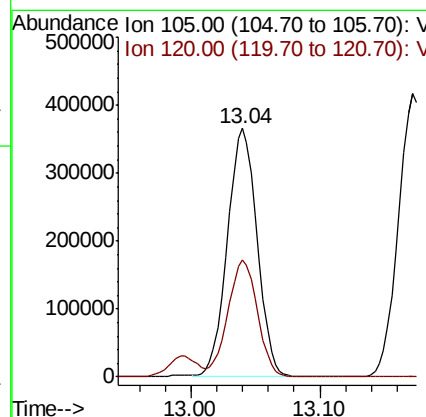
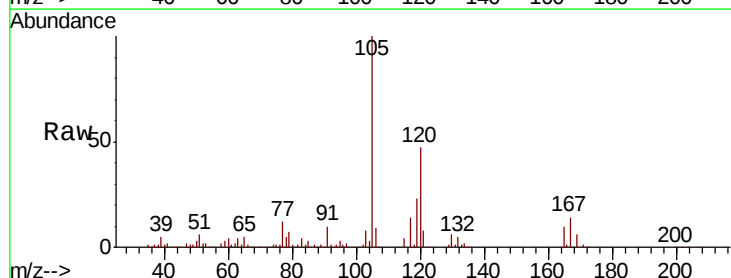
Manual Integrations
APPROVED

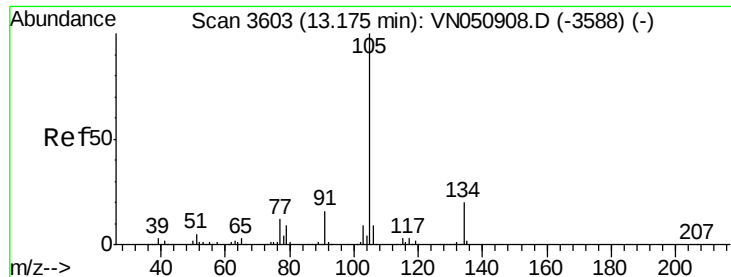
MMDadoda
9/10/2018 11:53:05 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.00 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	585019		
120	46.8	0.0	93.6	





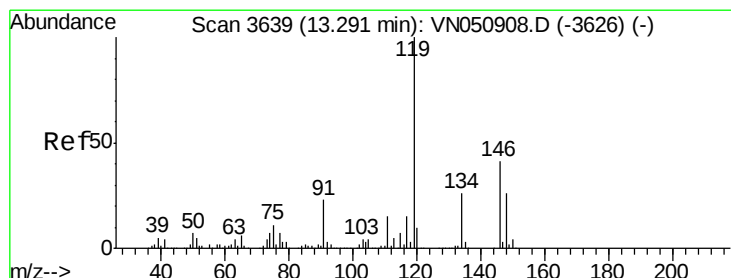
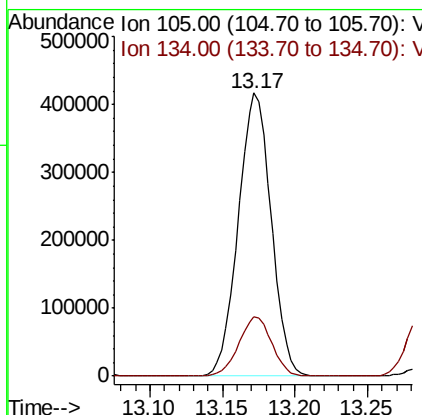
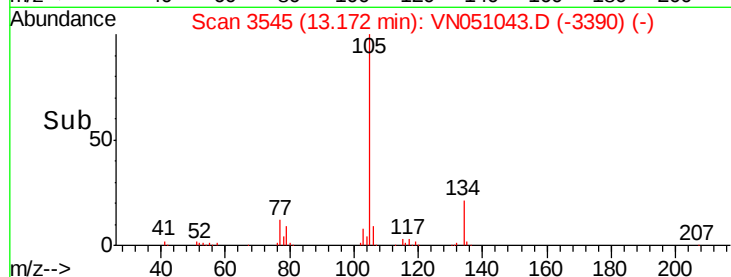
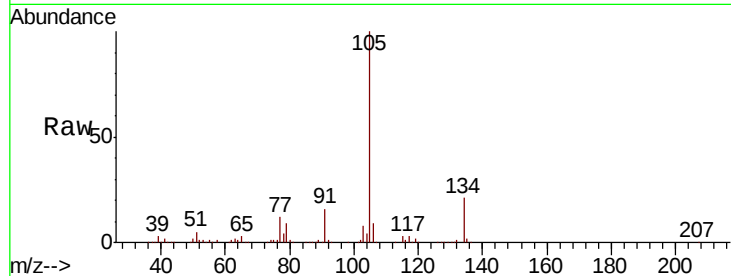
#81
 sec-Butylbenzene
 Concen: 18.71 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	0.0	40.8

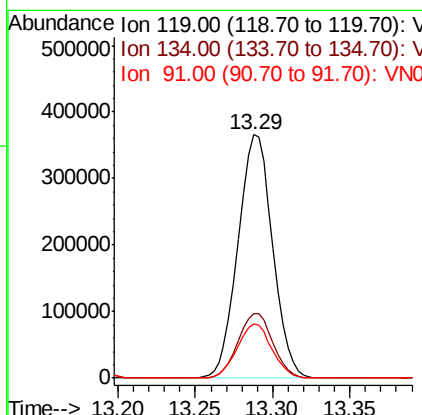
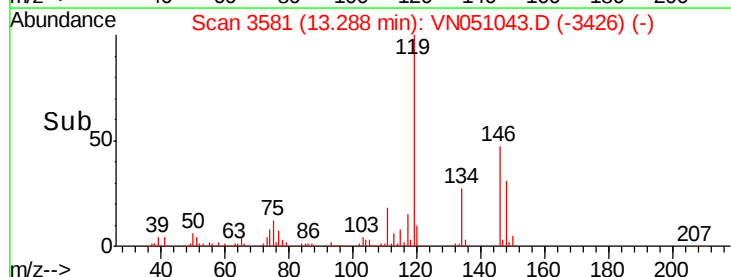
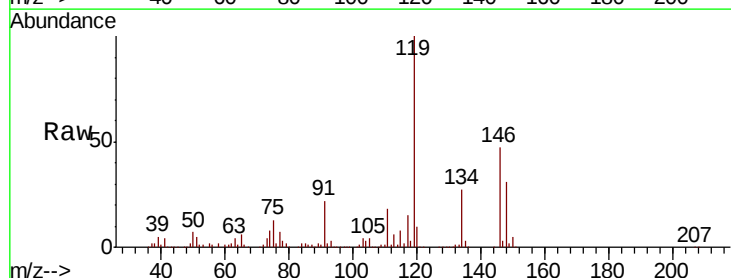
Manual Integrations
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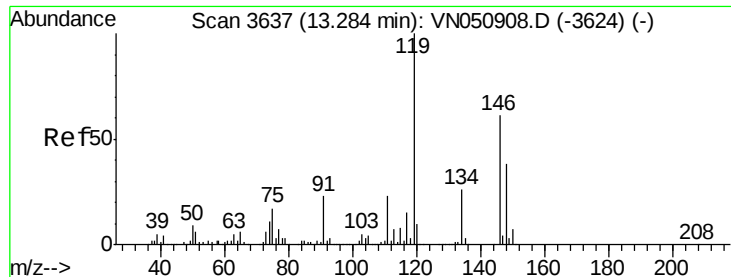
MMDadoda
 9/10/2018 11:53:05 AM



#82
 p-Isopropyltoluene
 Concen: 18.77 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	0.0	53.2
91	22.3	0.0	46.0





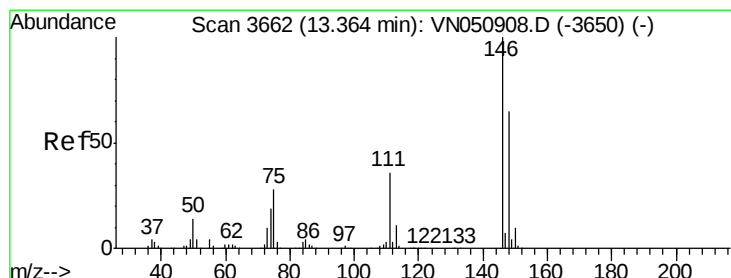
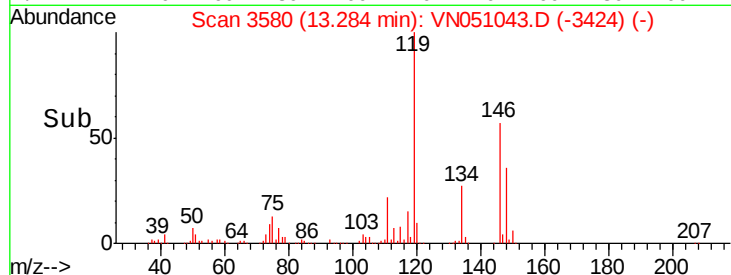
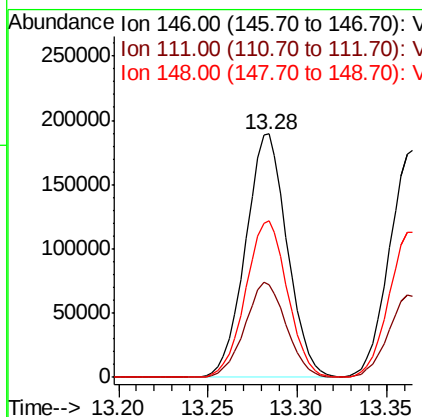
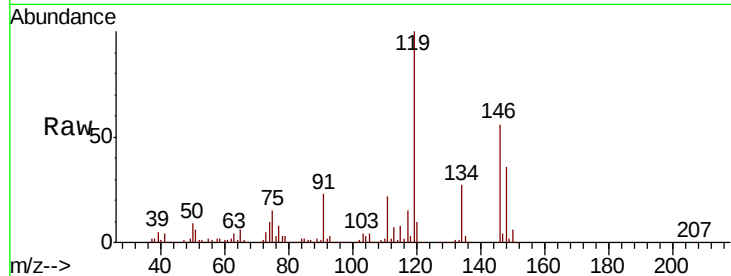
#83
 1,3-Dichlorobenzene
 Concen: 18.45 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.6	55.6
148	64.4	31.8	95.3

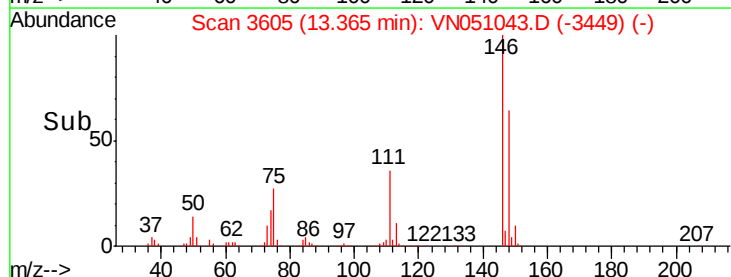
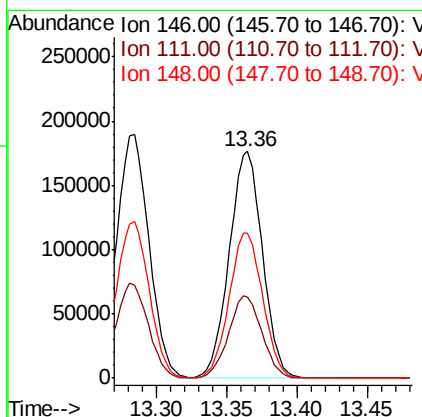
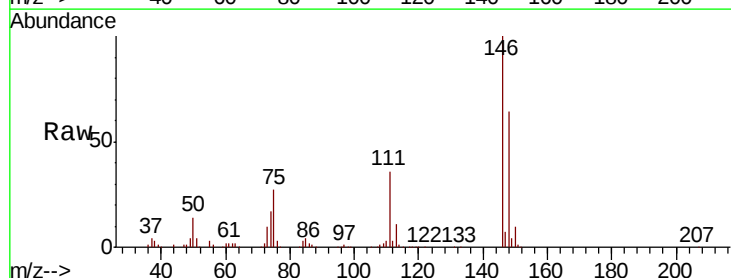
Manual Integrations
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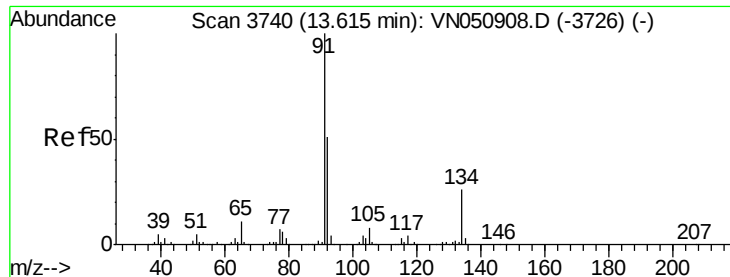
MMDadoda
 9/10/2018 11:53:05 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.25 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	17.7	53.1
148	64.8	31.6	94.8





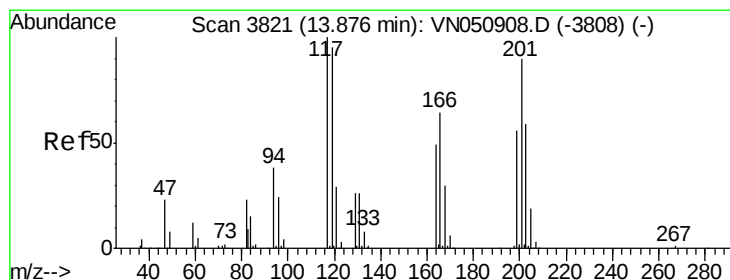
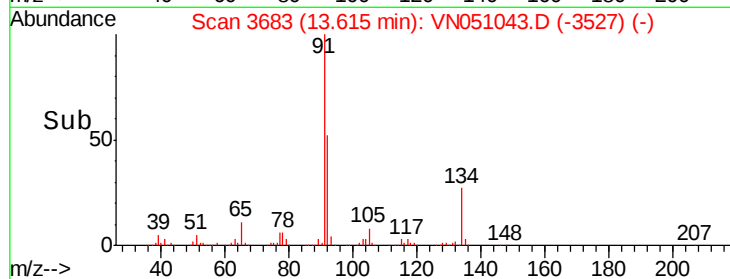
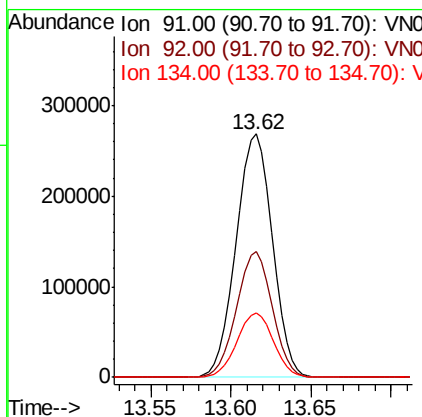
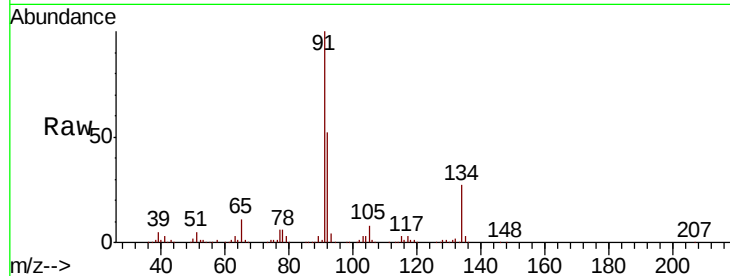
#85
n-Butylbenzene
Concen: 17.99 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	50.8	0.0	101.8	
134	26.5	0.0	52.2	

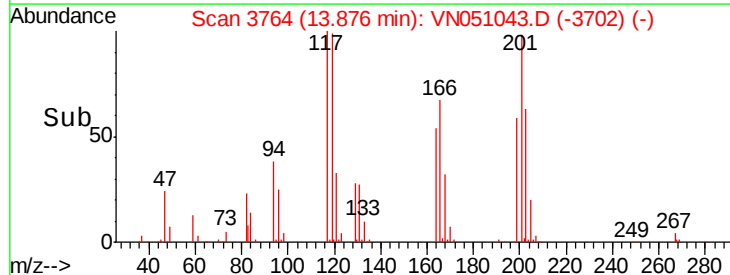
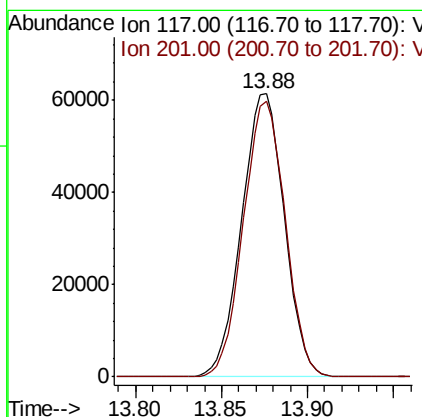
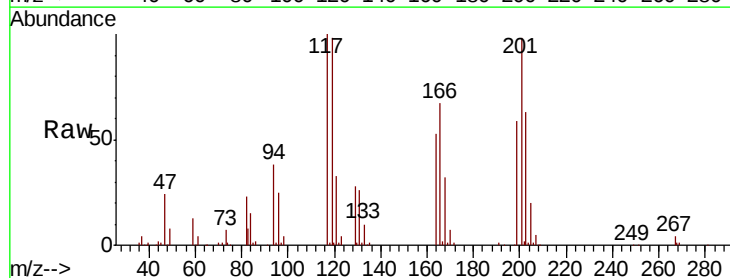
Manual Integrations
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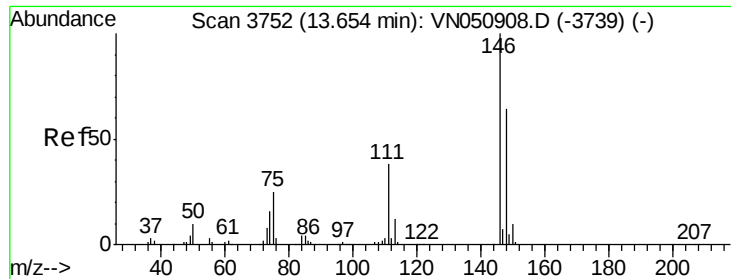
MMDadoda
9/10/2018 11:53:05 AM



#86
Hexachloroethane
Concen: 18.25 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	95.3	45.8	137.4	





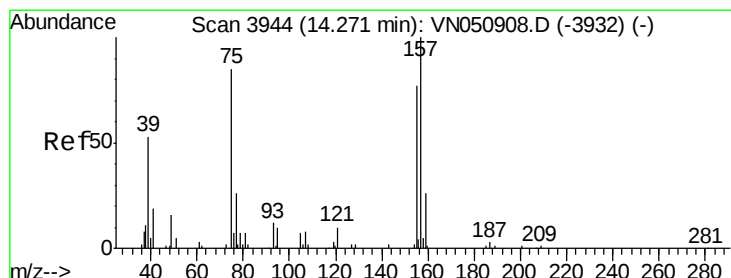
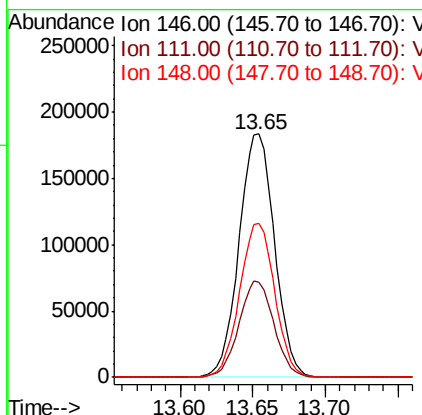
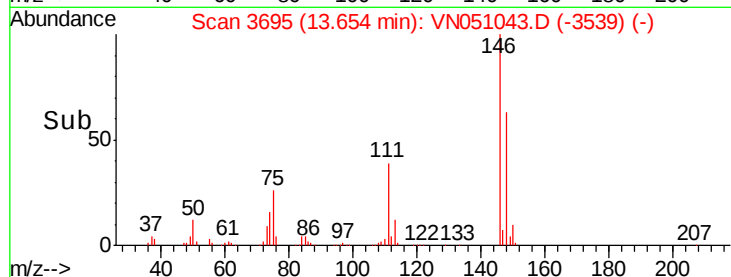
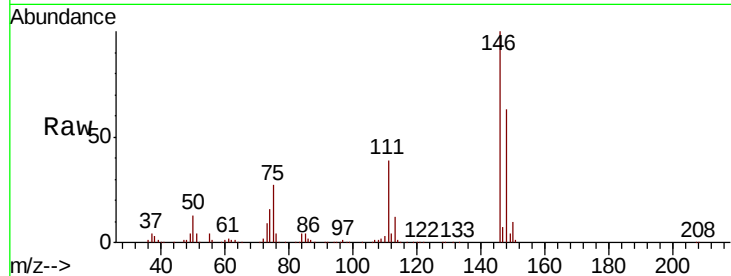
#87
 1,2-Dichlorobenzene
 Concen: 18.84 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.1	57.1
148	62.6	31.9	95.9

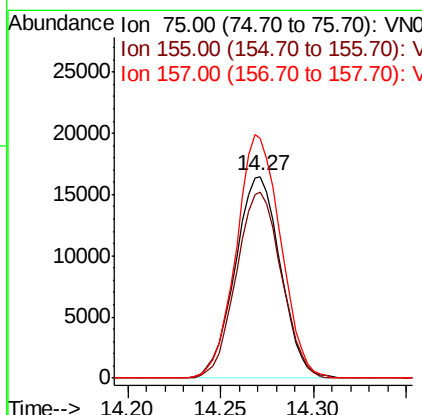
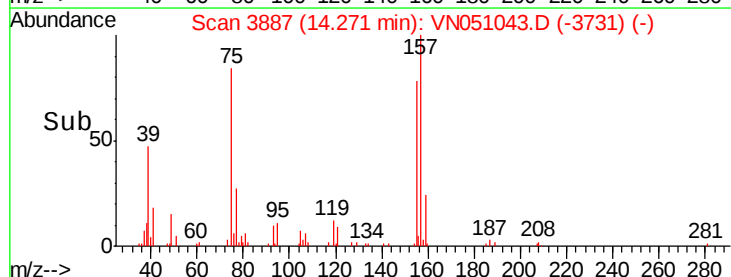
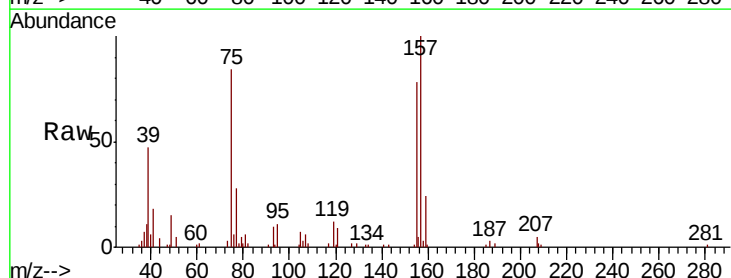
Manual Integrations
 APPROVED

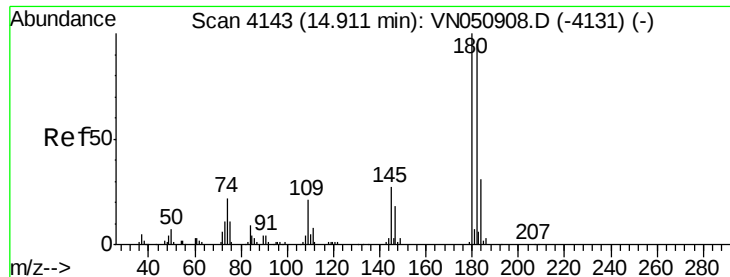
MMDadoda
 9/10/2018 11:53:05 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.52 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	71.8	107.6
157	118.2	91.1	136.7





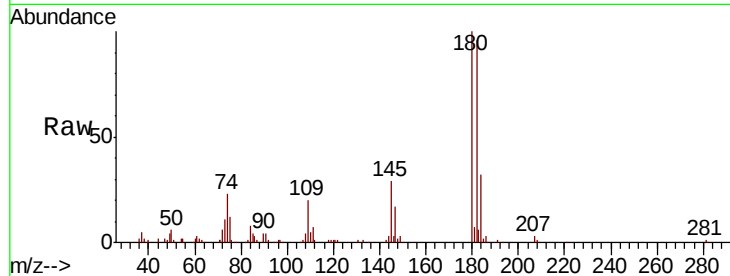
#89
 1,2,4-Trichlorobenzene
 Concen: 16.50 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121606		
182	95.8	76.2	114.4	
145	28.3	22.2	33.4	

Manual Integrations
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 9/10/2018 11:53:05 AM

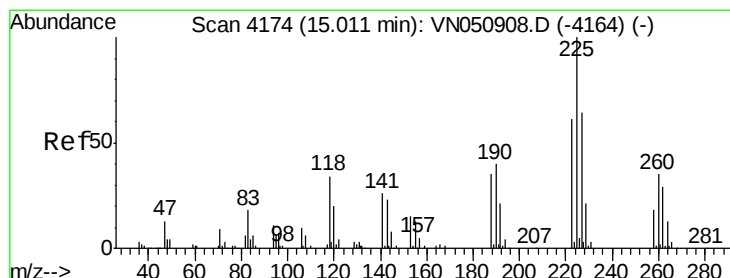
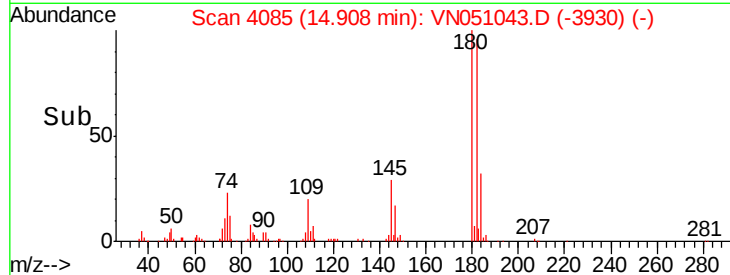
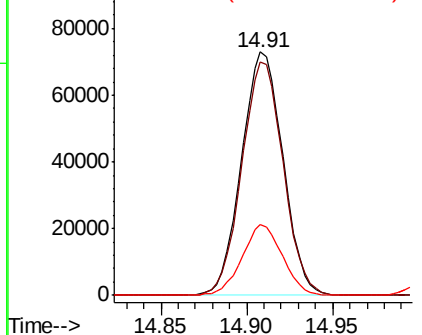


Abundance

Ion 180.00 (179.70 to 180.70): V

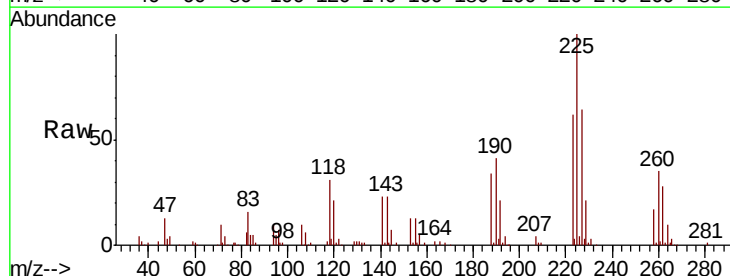
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 20.92 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104723		
223	61.8	0.0	127.8	
227	63.2	0.0	128.4	

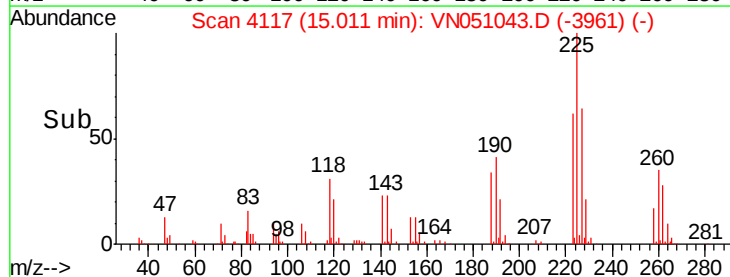
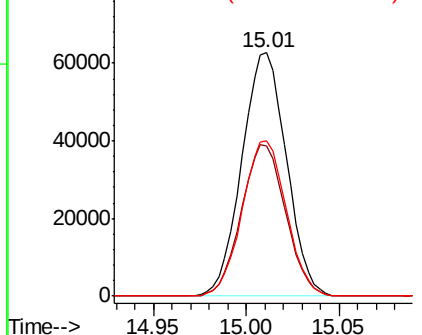


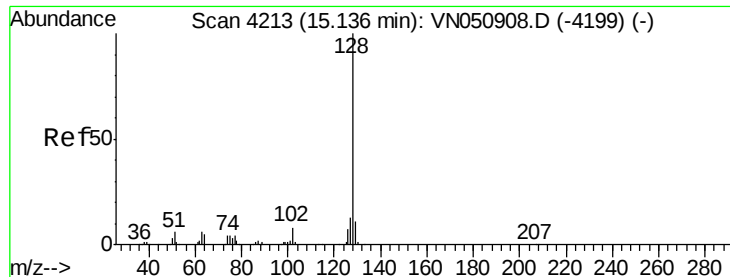
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 18.74 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

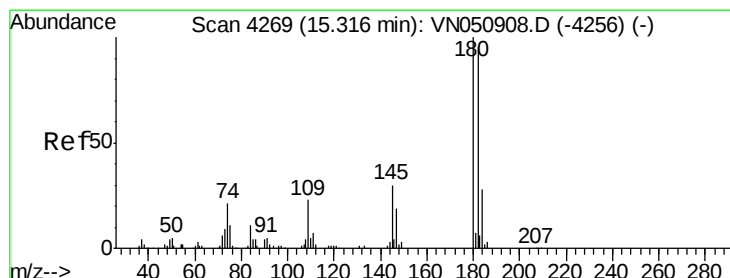
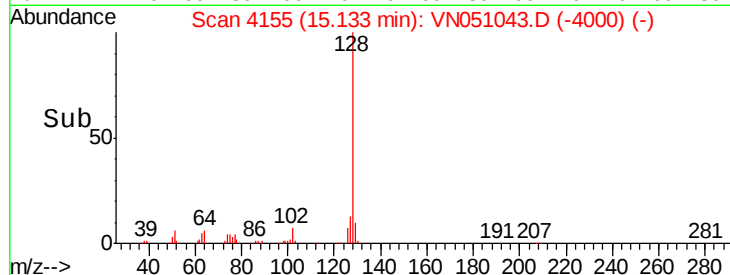
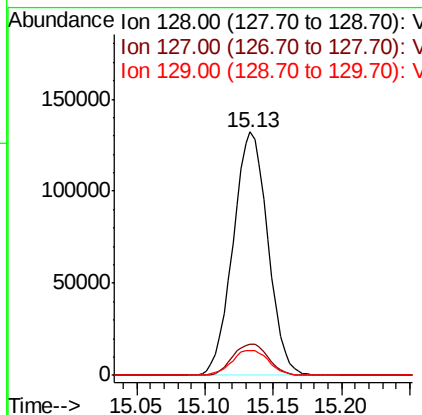
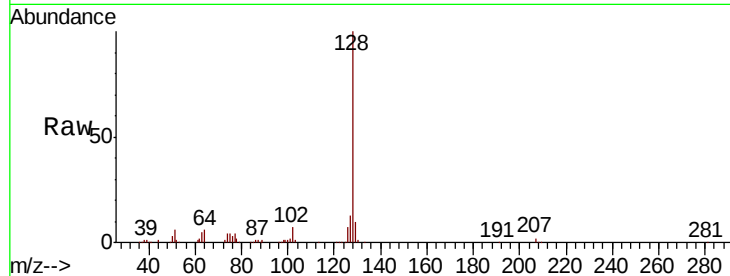
ClientSampleId :

VN0907WBS01

Tot Ion:	128	Resp:	233996
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	10.9	8.7	13.1

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 17.35 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Tgt Ion:	180	Resp:	128310
Ion Ratio	Lower	Upper	
180	100		
182	95.4	0.0	192.8
145	28.9	0.0	60.0

