

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090618\
 Data File : VN051028.D
 Acq On : 6 Sep 2018 12:01
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 9/7/2018 11:23:20 AM

Quant Time: Sep 07 01:29:31 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	134068	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	702633	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	627346	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	248935	29.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.00%
60) 4-Bromofluorobenzene	12.40	95	279973	30.01	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.03%
63) Toluene-d8	10.09	98	888243	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	151240	18.17	ug/l	100
3) Chloromethane	2.06	50	174555	17.75	ug/l	99
4) Vinyl Chloride	2.18	62	172497	17.76	ug/l	100
5) Bromomethane	2.55	94	113819	19.22	ug/l	98
6) Chloroethane	2.69	64	102368	17.87	ug/l	98
7) Trichlorofluoromethane	3.01	101	242876	18.86	ug/l	99
8) Diethyl Ether	3.41	74	87270	19.22	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	155770	19.53	ug/l	99
10) 1,1-Dichloroethene	3.73	96	131356	18.13	ug/l	98
11) Methyl Iodide	3.95	142	102695	15.19	ug/l	98
12) Methyl Acetate	4.33	43	204652	24.43	ug/l	97
13) Acrolein	3.61	56	47429	255.70	ug/l	97
14) Acrylonitrile	4.99	53	288134	101.73	ug/l	97
15) Acetone	3.82	58	82336	113.61	ug/l	90
16) Carbon Disulfide	4.05	76	367610	16.88	ug/l	100
17) Allyl chloride	4.32	41	208369	18.28	ug/l	100
18) Methylene Chloride	4.55	84	160255	18.85	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	140960	18.26	ug/l	96
20) Diisopropyl ether	5.95	45	453276	19.16	ug/l	98
21) 1,1-Dichloroethane	5.85	63	271305	18.70	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	159039	18.24	ug/l	96
23) tert-Butyl Alcohol	4.80	59	63675	105.71	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	381652	19.26	ug/l	98
25) Chloroform	7.37	83	275920	19.06	ug/l	99
26) Cyclohexane	7.65	56	215171	17.90	ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	201197	19.13	ug/l	99
30) 2-Butanone	6.84	43	343013	106.00	ug/l	99
31) 2,2-Dichloropropane	6.82	77	222075	21.70	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	232293	19.47	ug/l	100
33) Carbon Tetrachloride	7.77	117	207891	19.35	ug/l	94
34) Benzene	8.04	78	624132	19.18	ug/l	99
35) Methacrylonitrile	7.17	41	58599	16.53	ug/l	94
36) 1,2-Dichloroethane	8.12	62	196844	20.00	ug/l	100
37) Trichloroethene	8.83	130	165677	19.48	ug/l	93
38) Methylcyclohexane	9.08	83	210124	18.60	ug/l	98
39) 1,2-Dichloropropane	9.12	63	166755	19.62	ug/l	99
40) Dibromomethane	9.21	93	100245	19.58	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	208426	19.31	ug/l	96
42) Vinyl Acetate	5.90	43	1375434	92.28	ug/l	99
43) Ethyl Acetate	6.93	43	132769	20.03	ug/l	100
44) Isopropyl Acetate	8.17	43	235686	20.15	ug/l	97
45) 1,4-Dioxane	9.20	88	35500	408.54	ug/l	98
46) Methyl methacrylate	9.20	41	114366	19.52	ug/l	97
47) n-amyl Acetate	12.07	43	183324	19.49	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	204307	19.31	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	237109	19.51	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	147687	19.85	ug/l	98
51) Ethyl methacrylate	10.43	69	174501	19.17	ug/l	99
52) 1,3-Dichloropropane	10.71	76	241851	19.63	ug/l	97
53) Dibromochloromethane	10.90	129	165402	19.55	ug/l	99
54) 1,2-Dibromoethane	11.01	107	144896	19.70	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	341097	90.07	ug/l	99
56) Bromoform	12.13	173	122180	20.31	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	722888	100.71	ug/l	98
59) 2-Hexanone	10.75	43	499597	106.48	ug/l	99
61) Tetrachloroethene	10.63	164	150782	19.29	ug/l	98
62) Toluene	10.16	91	671404	19.18	ug/l	100
64) Chlorobenzene	11.43	112	422404	19.47	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	159632	19.49	ug/l	98
66) Ethyl Benzene	11.51	91	681651	18.80	ug/l	98
67) m/p-Xylenes	11.62	106	545016	39.07	ug/l	99
68) o-Xylene	11.95	106	257640	19.33	ug/l	100
69) Styrene	11.96	104	411605	19.42	ug/l	99
70) Isopropylbenzene	12.25	105	700676	19.78	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	198992	20.75	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	171277m	20.70	ug/l	
73) Bromobenzene	12.53	156	180988	19.42	ug/l	99
74) n-propylbenzene	12.59	91	781685	19.52	ug/l	99
75) 2-Chlorotoluene	12.67	91	475704	19.56	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	573935	19.83	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	47451	20.13	ug/l	96
78) 4-Chlorotoluene	12.77	91	466555	19.48	ug/l	99
79) tert-butylbenzene	12.99	119	489933	19.49	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	581553	20.15	ug/l	100
81) sec-Butylbenzene	13.17	105	655644	19.94	ug/l	100
82) p-Isopropyltoluene	13.29	119	561451	19.78	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	306463	19.45	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	289066	19.37	ug/l	99
85) n-Butylbenzene	13.62	91	417669	19.28	ug/l	100
86) Hexachloroethane	13.88	117	108987	20.00	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	304106	19.61	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27735	20.67	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	118632	17.18	ug/l	100
90) Hexachlorobutadiene	15.01	225	102717	21.90	ug/l	100
91) Naphthalene	15.14	128	232343	19.34	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	128907	18.61	ug/l	98

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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: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

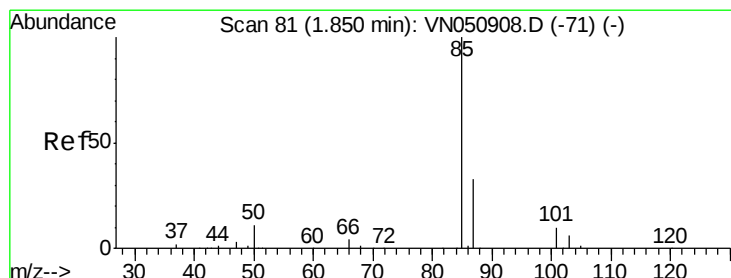
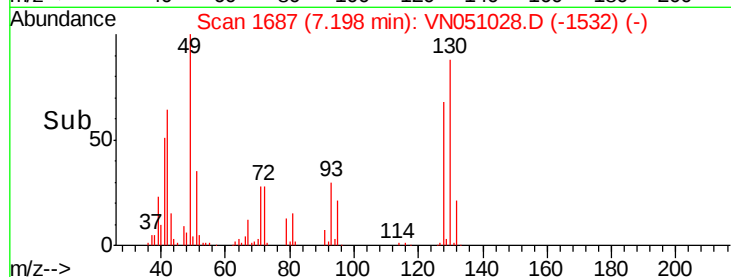
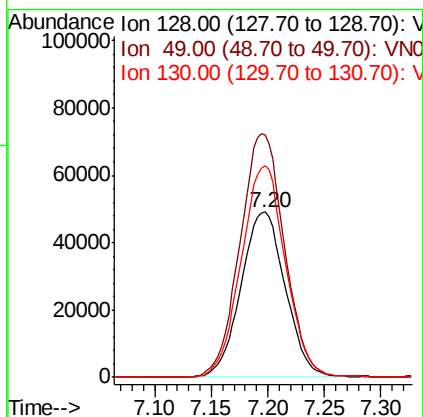
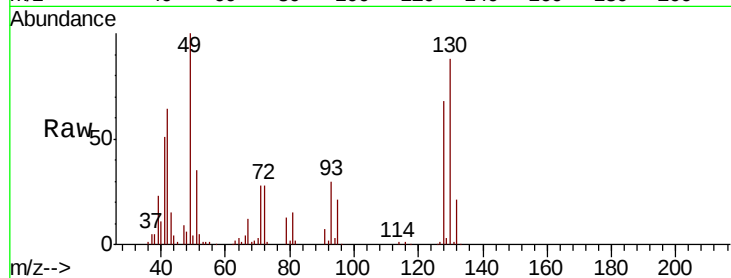
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	134068
Ion	Ratio	Lower	Upper
128	100		
49	147.4	0.0	380.3
130	127.8	0.0	325.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 18.17 ug/l

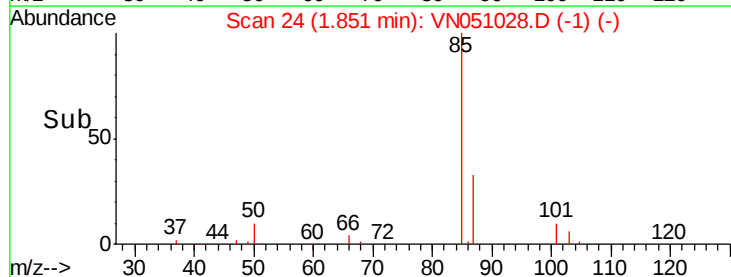
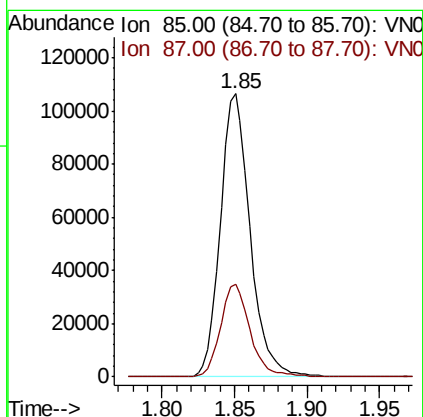
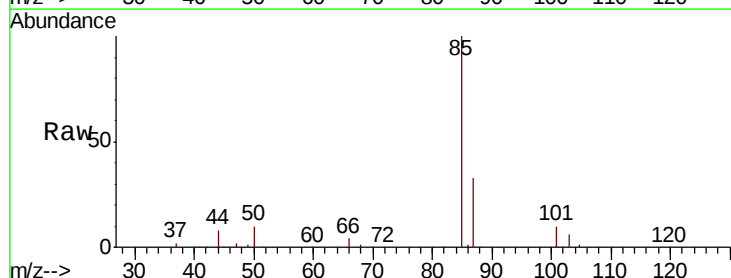
RT: 1.85 min Scan# 24

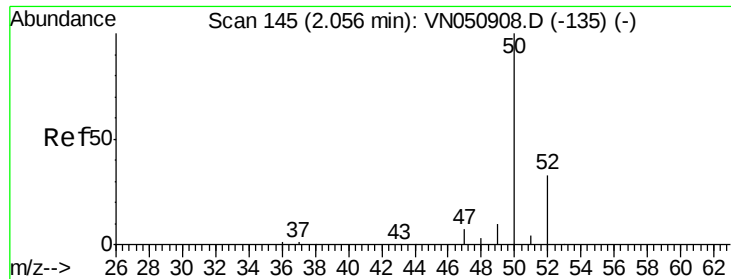
Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Tgt Ion:	85	Resp:	151240
Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.4	49.1





#3

Chloromethane

Concen: 17.75 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 50 Resp: 174555

Ion Ratio Lower Upper

50 100

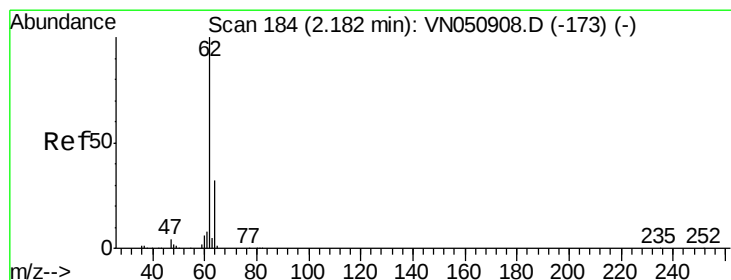
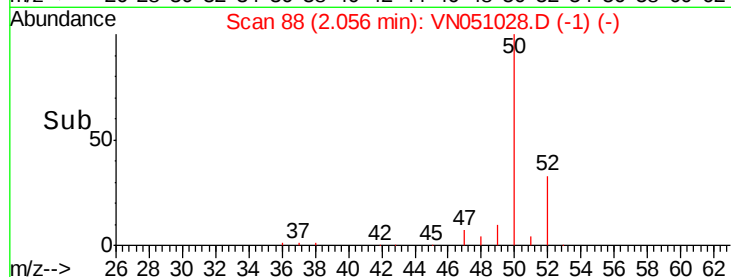
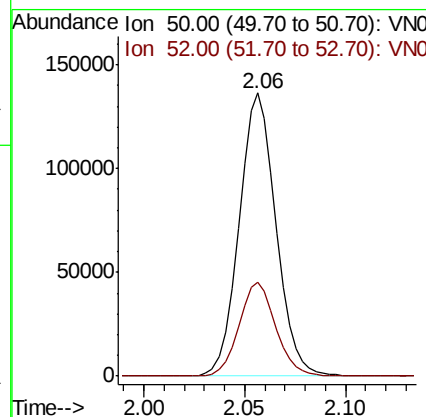
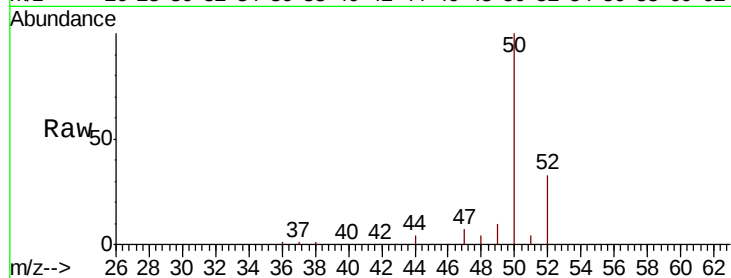
52 33.2 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.76 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN051028.D

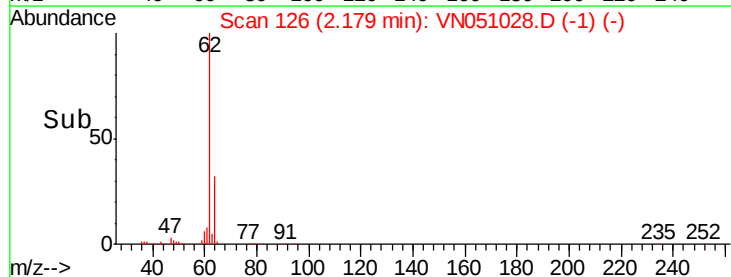
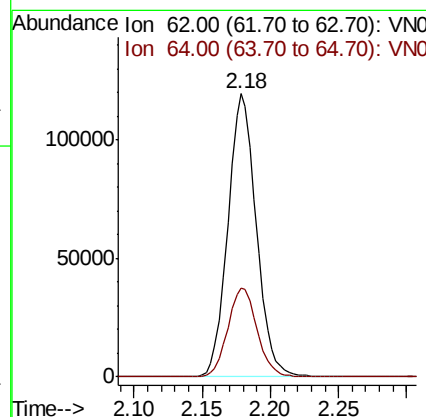
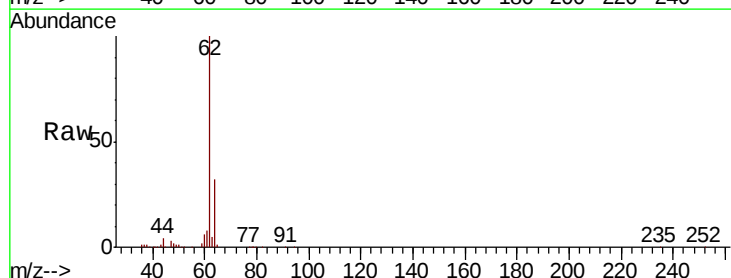
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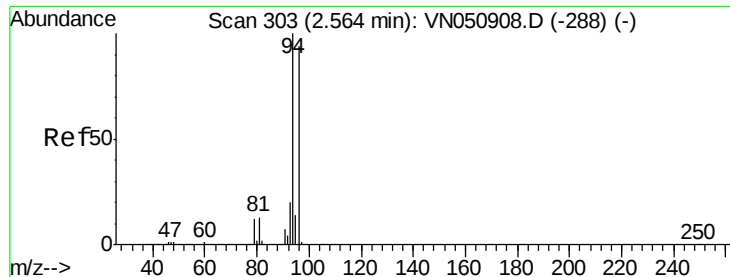
Tgt Ion: 62 Resp: 172497

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 19.22 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 113819

Ion Ratio Lower Upper

94 100

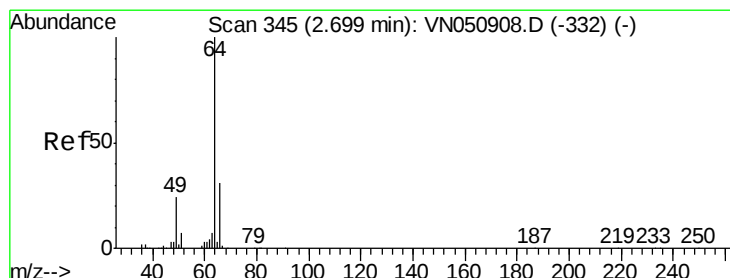
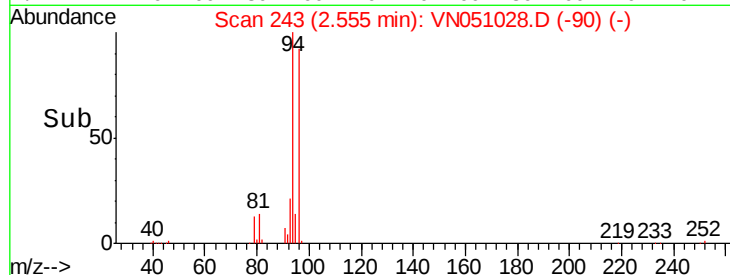
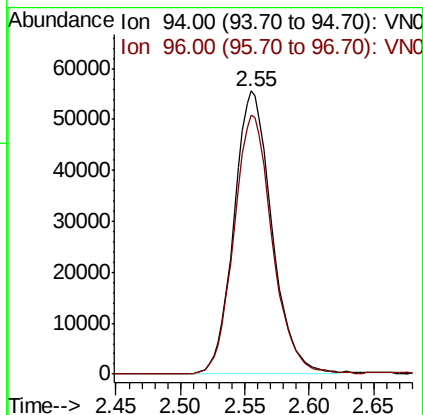
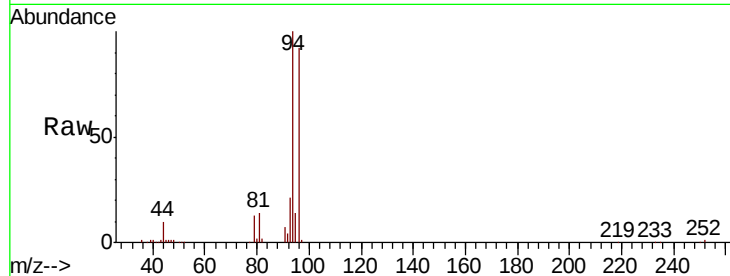
96 91.2 74.9 112.3

Manual Integrations

APPROVED

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9/7/2018 11:23:20 AM



#6

Chloroethane

Concen: 17.87 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN051028.D

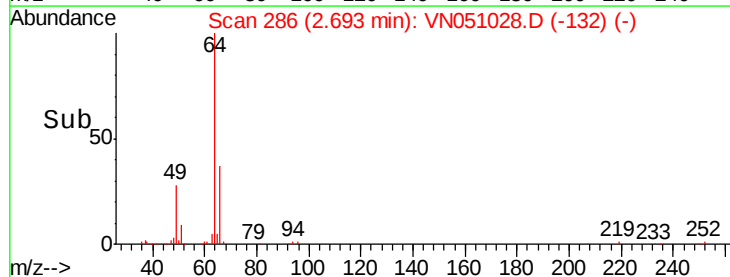
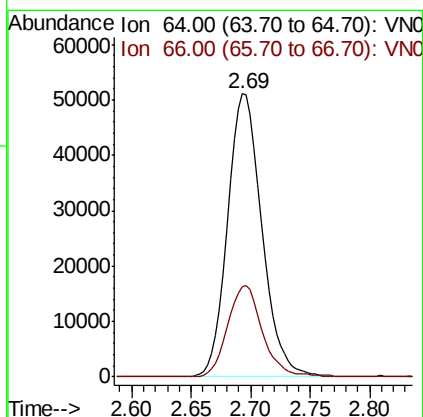
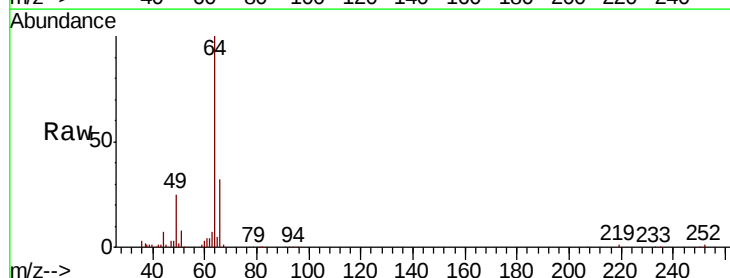
Acq: 6 Sep 2018 12:01

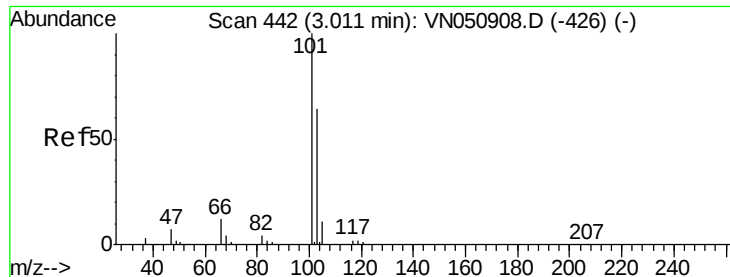
Tgt Ion: 64 Resp: 102368

Ion Ratio Lower Upper

64 100

66 31.8 24.5 36.7





#7

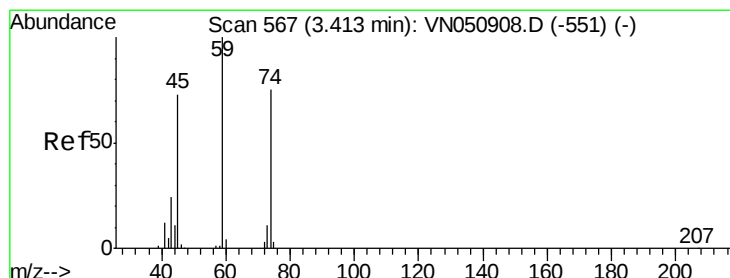
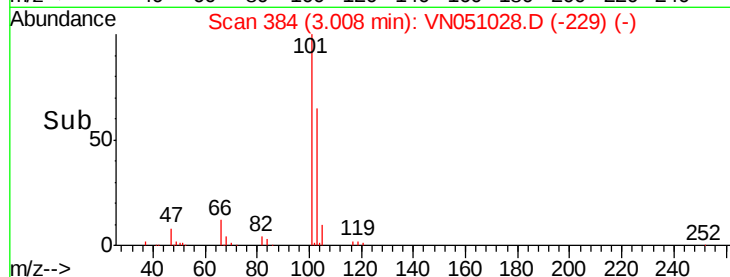
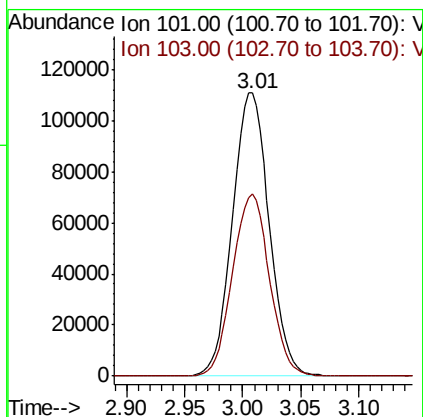
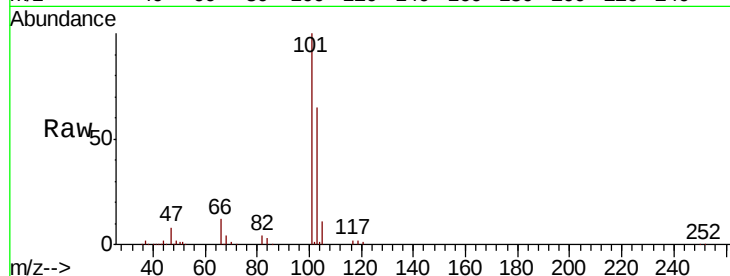
Trichlorofluoromethane
 Concen: 18.86 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		242876		
103	64.5	51.3	76.9		

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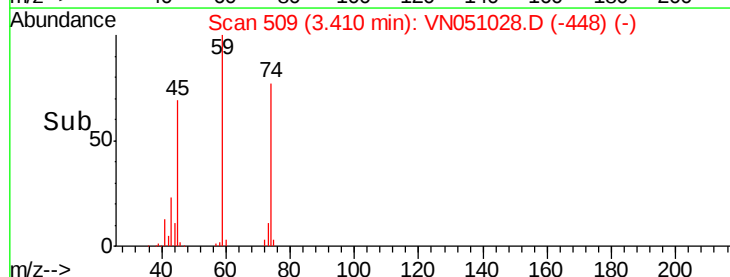
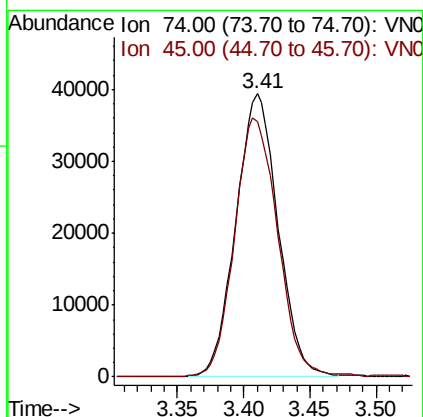
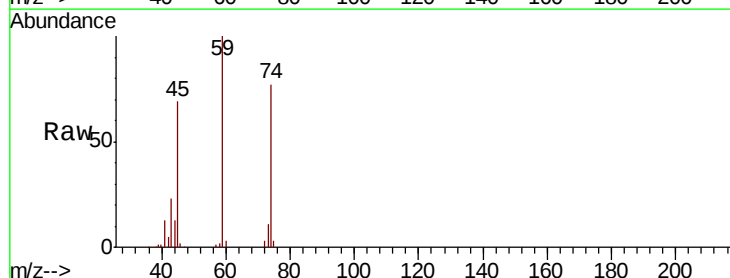
MMDadoda
 9/7/2018 11:23:20 AM

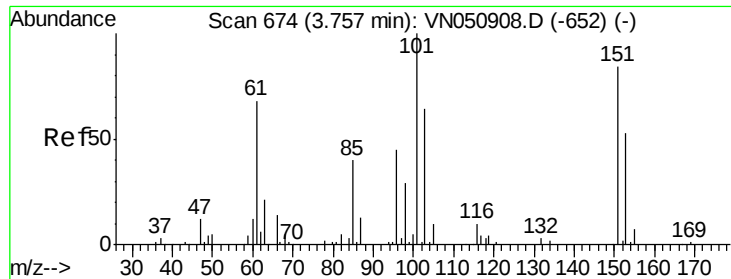


#8

Diethyl Ether
 Concen: 19.22 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		87270		
45	93.2	19.7	177.1		





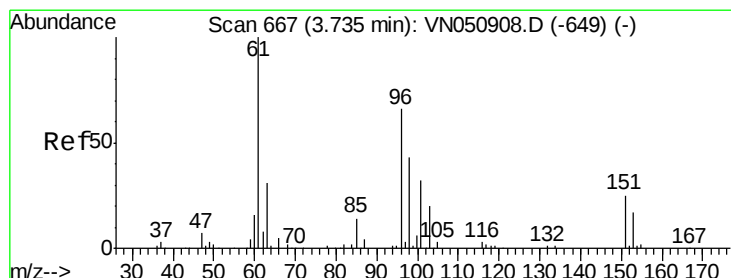
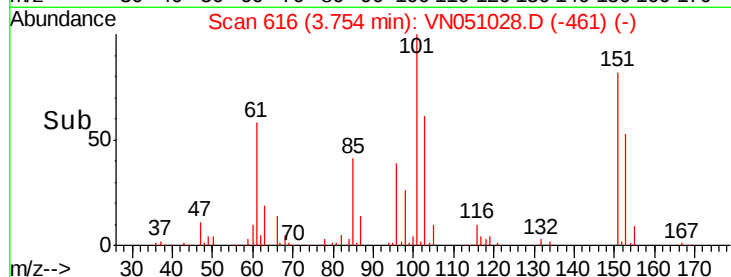
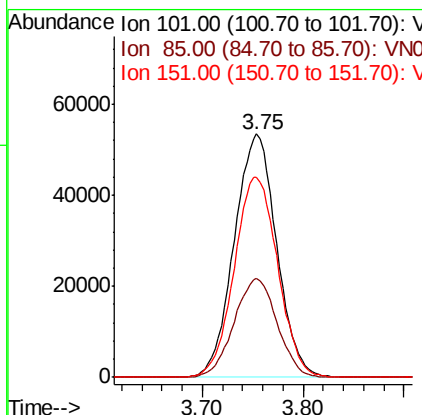
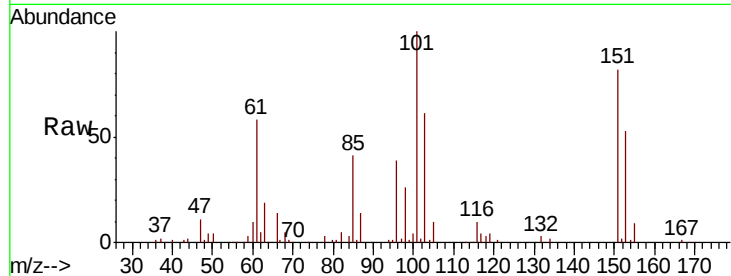
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.53 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: VN051028.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	155770		
85	41.3	0.0	83.6	
151	84.6	0.0	167.0	

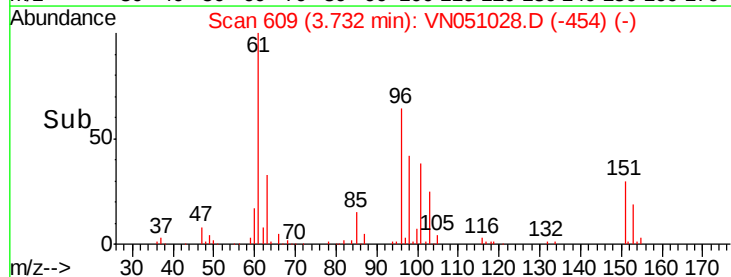
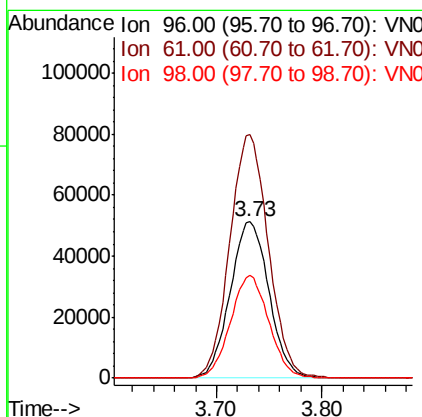
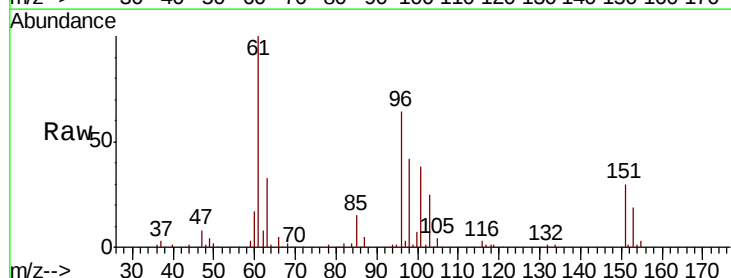
Manual Integrations
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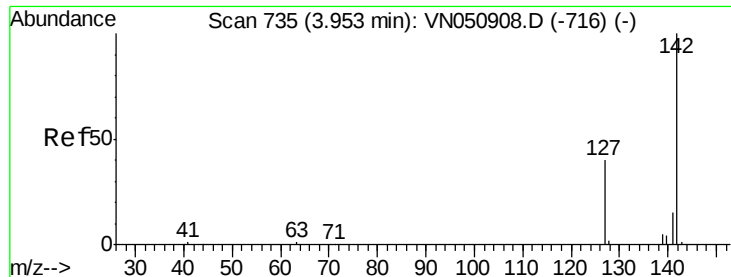
MMDadoda
 9/7/2018 11:23:20 AM



#10
 1,1-Dichloroethene
 Concen: 18.13 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	131356		
61	155.9	121.8	182.8	
98	65.7	52.3	78.5	





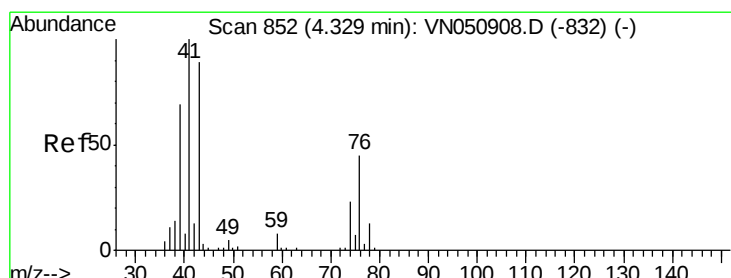
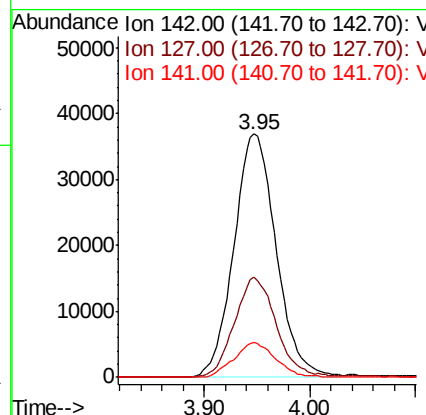
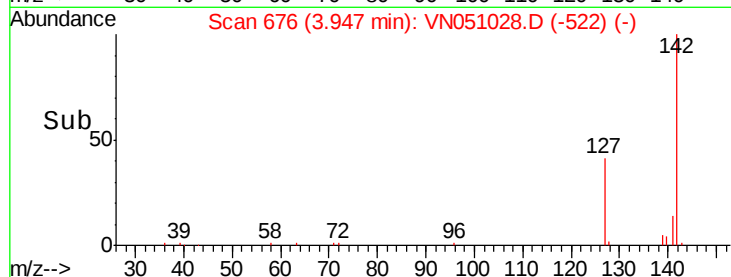
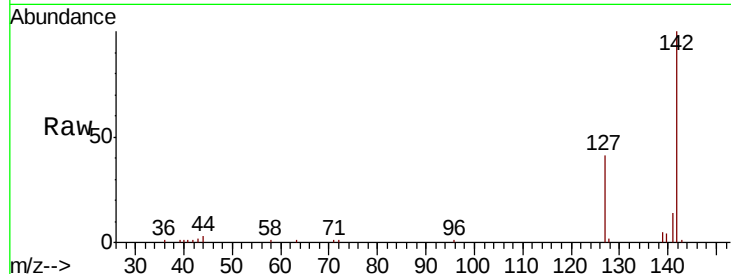
#11
Methvl Iodide
Concen: 15.19 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.01 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.8	19.7	59.1
141	14.2	7.3	22.0

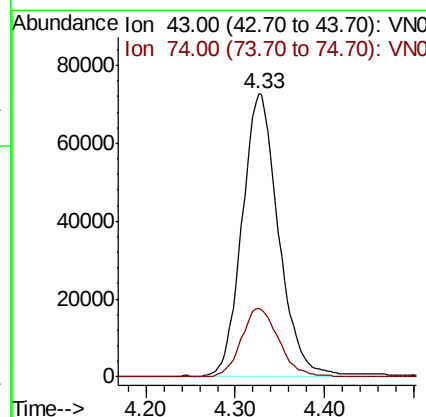
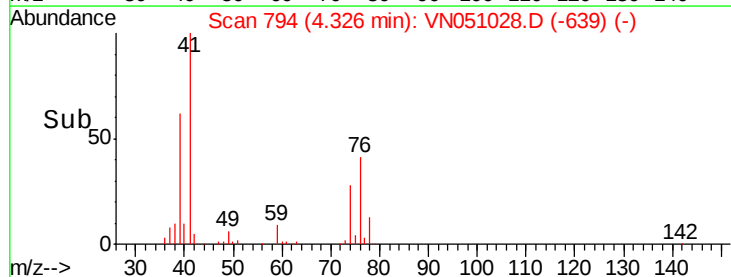
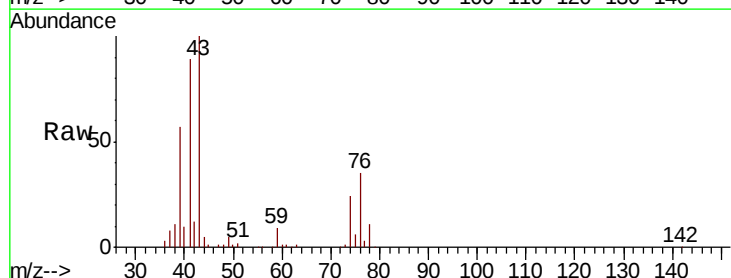
Manual Integrations
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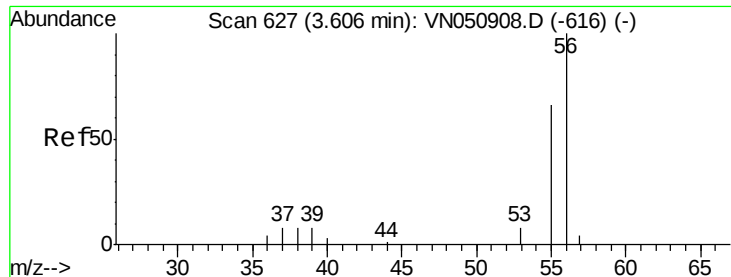
MMDadoda
9/7/2018 11:23:20 AM



#12
Methyl Acetate
Concen: 24.43 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	20.6	31.0





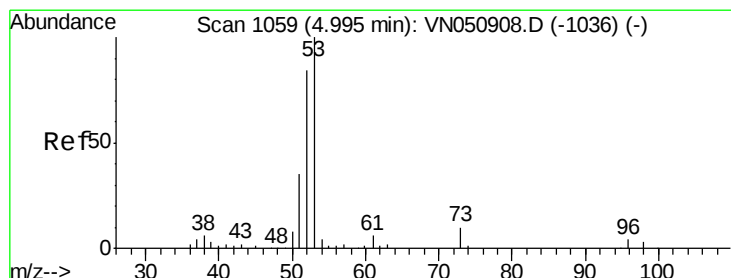
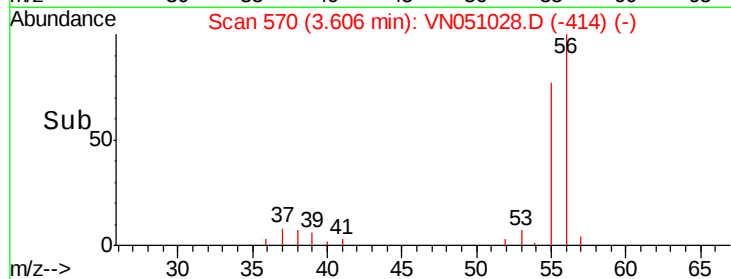
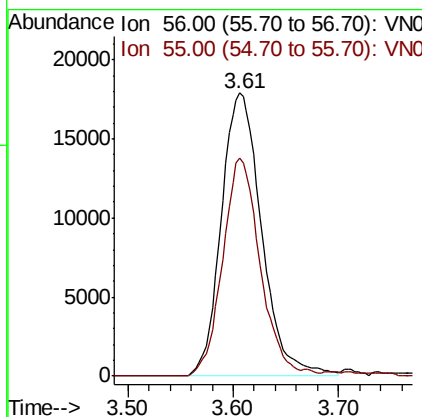
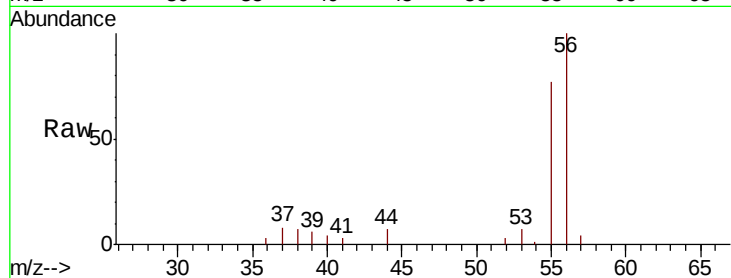
#13
Acrolein
Concen: 255.70 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 56 Resp: 47429
Ion Ratio Lower Upper
56 100
55 71.2 59.1 88.7

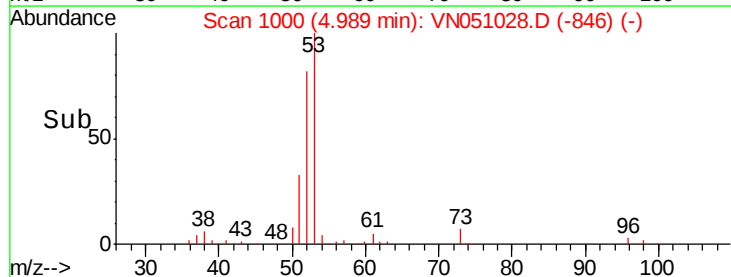
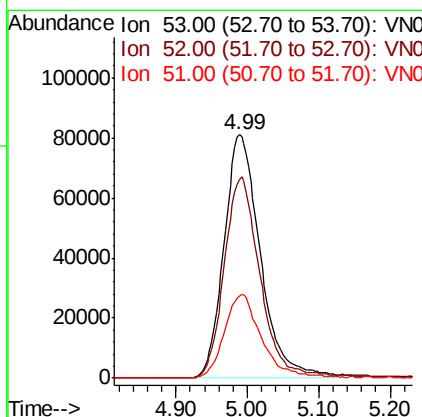
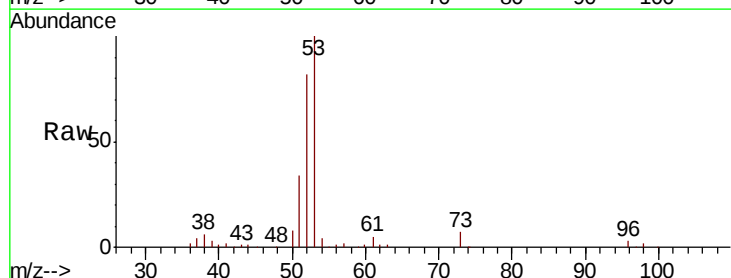
Manual Integrations
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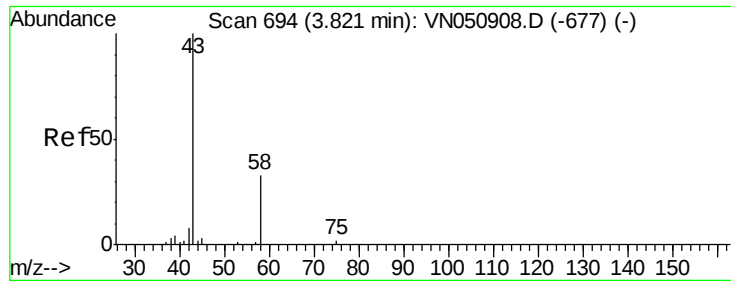
MMDadoda
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#14
Acrylonitrile
Concen: 101.73 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion: 53 Resp: 288134
Ion Ratio Lower Upper
53 100
52 81.2 42.2 126.6
51 34.6 17.7 53.1





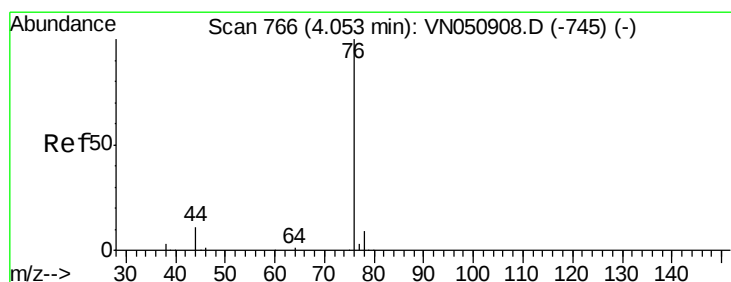
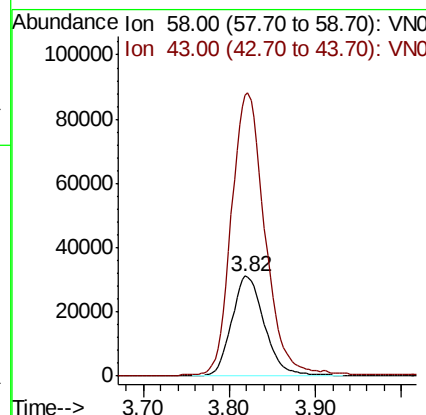
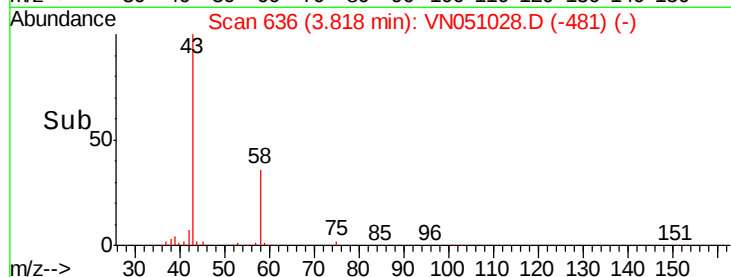
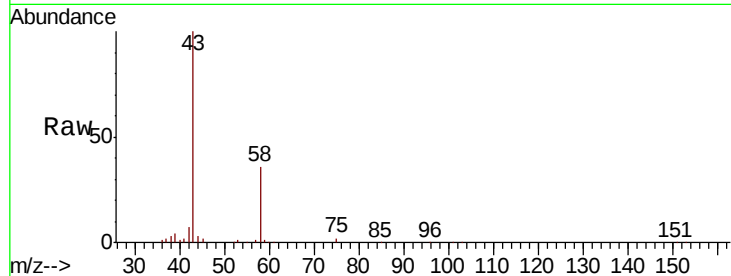
#15
Acetone
Concen: 113.61 ug/l
RT: 3.82 min Scan# 636
Delta R.T. -0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 58 Resp: 82336
Ion Ratio Lower Upper
58 100
43 280.5 239.4 359.0

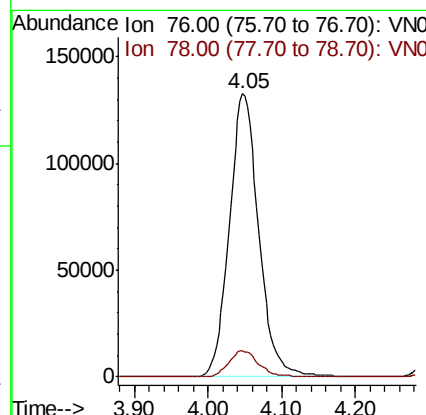
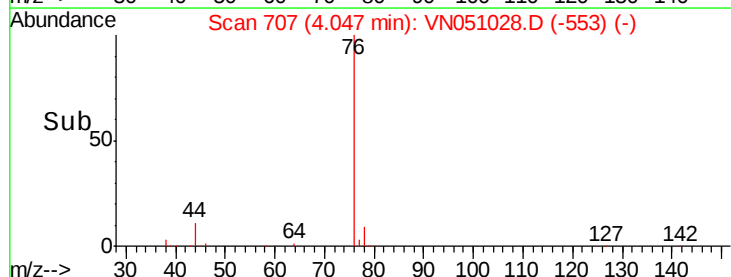
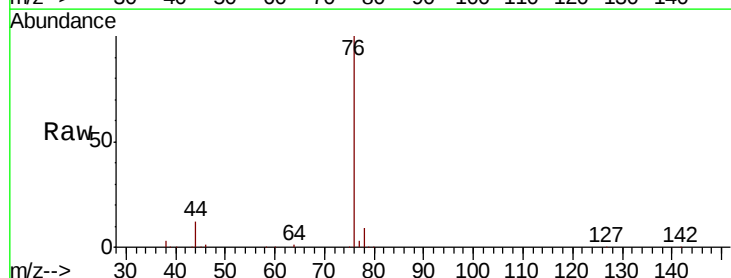
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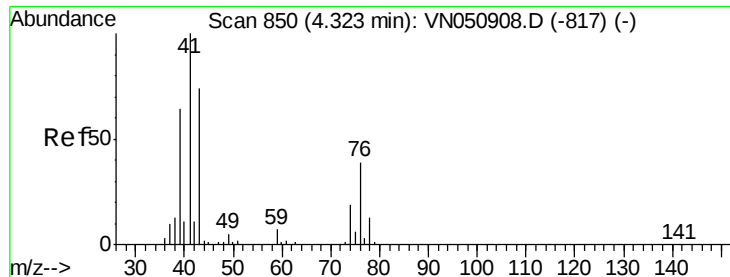
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#16
Carbon Disulfide
Concen: 16.88 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.01 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion: 76 Resp: 367610
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9





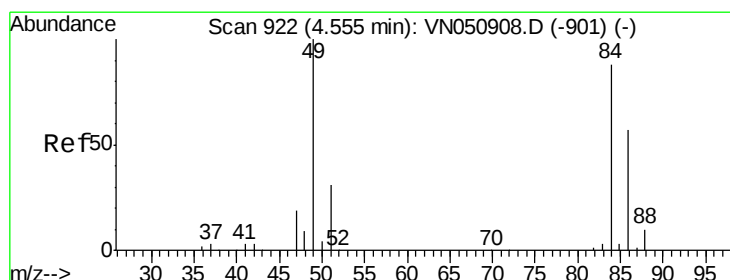
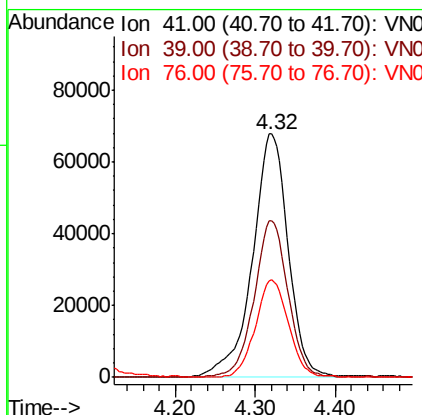
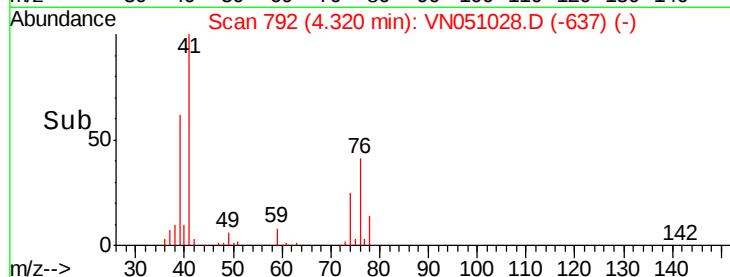
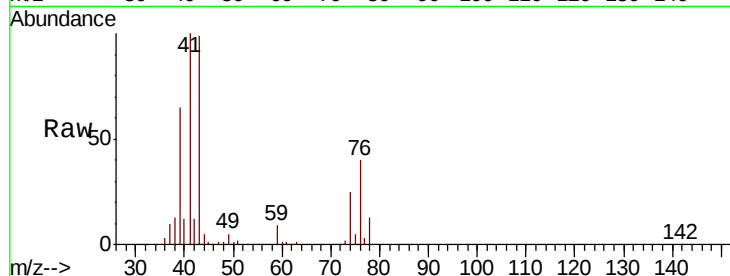
#17
Allvl chloride
Concen: 18.28 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion:	41	Resp:	208369
Ion	Ratio	Lower	Upper
41	100		
39	64.6	32.2	96.6
76	39.7	19.6	58.7

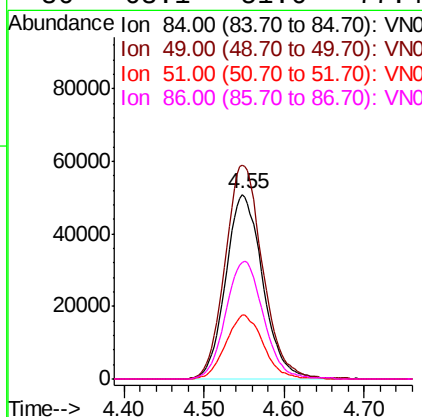
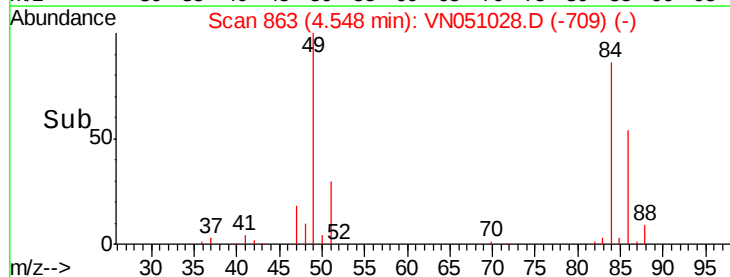
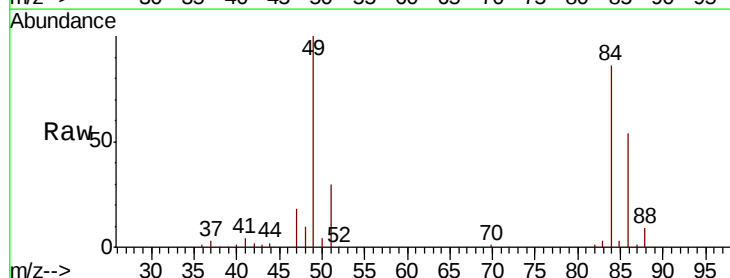
Manual Integrations
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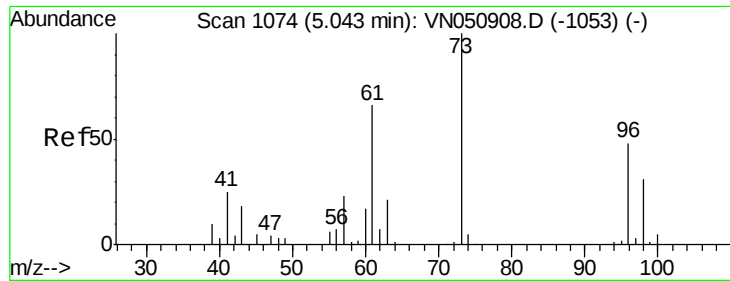
MMDadoda
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#18
Methylene Chloride
Concen: 18.85 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion:	84	Resp:	160255
Ion	Ratio	Lower	Upper
84	100		
49	115.5	90.6	135.8
51	34.6	28.4	42.6
86	63.1	51.6	77.4





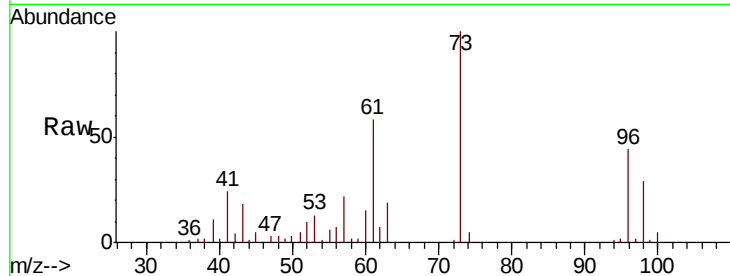
#19
trans-1,2-Dichloroethene
Concen: 18.26 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.5	109.5	164.3
98	66.1	51.9	77.9

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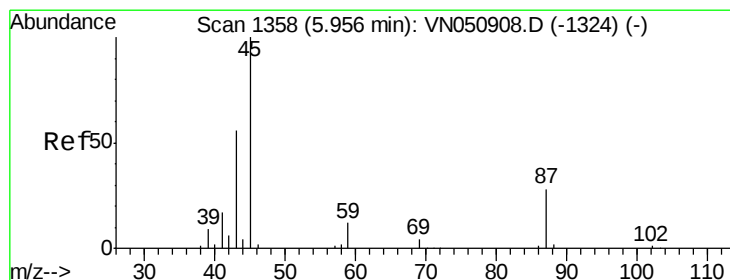
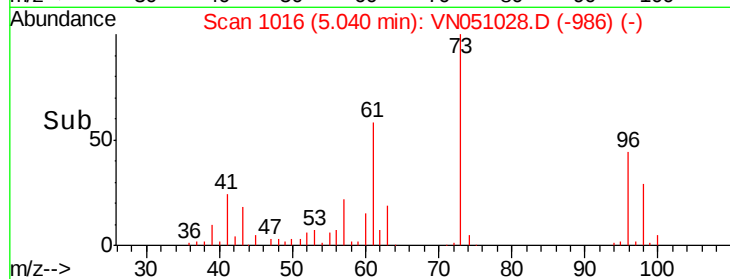
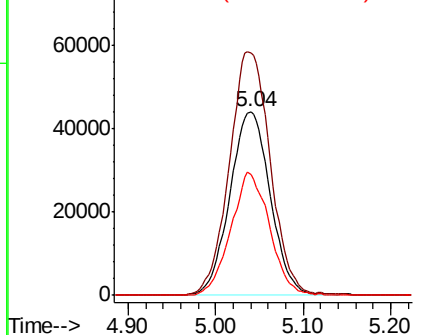


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 19.16 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.3	47.0	70.6
87	28.9	22.8	34.2
59	12.7	9.5	14.3

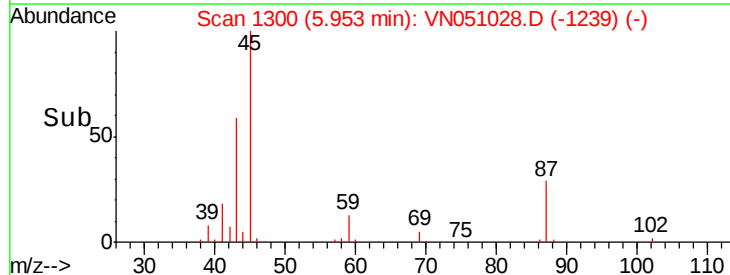
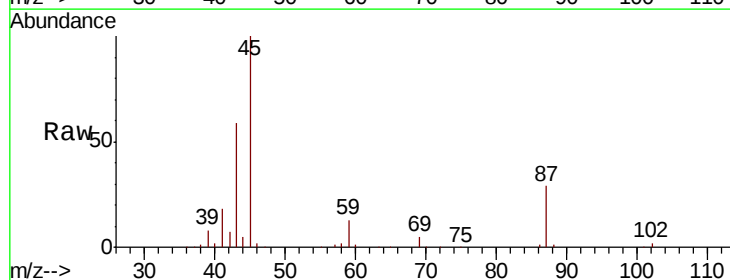
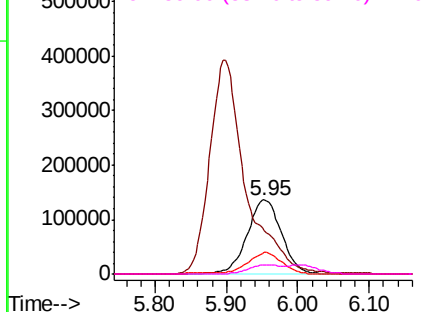
Abundance

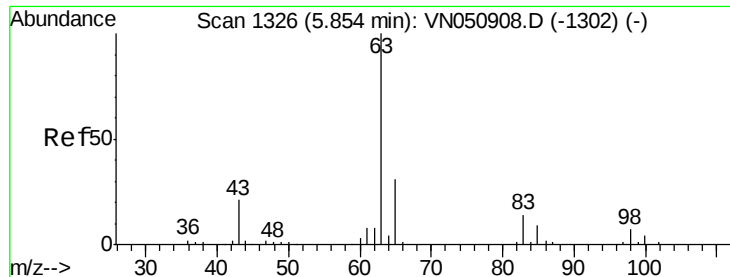
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





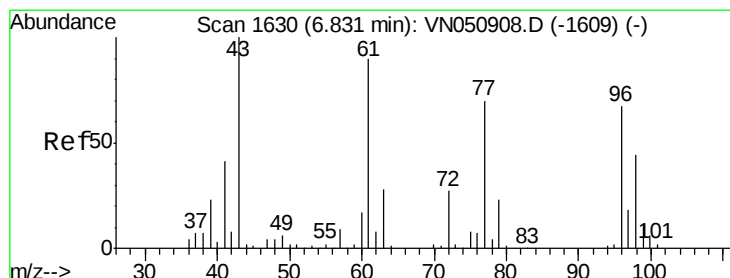
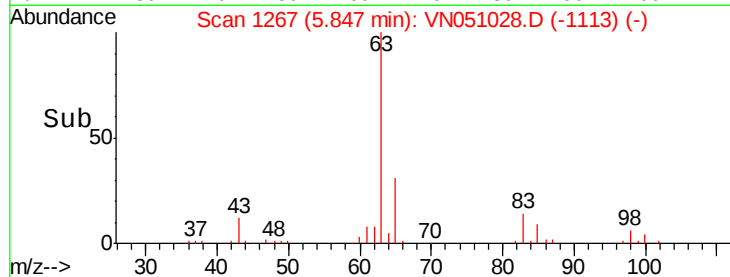
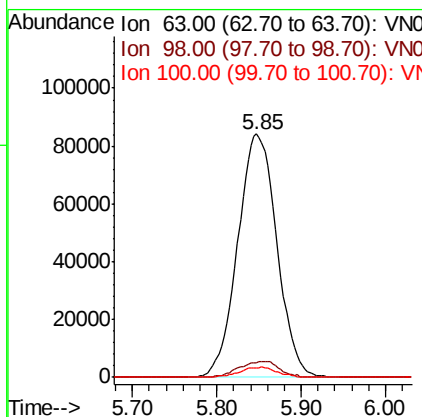
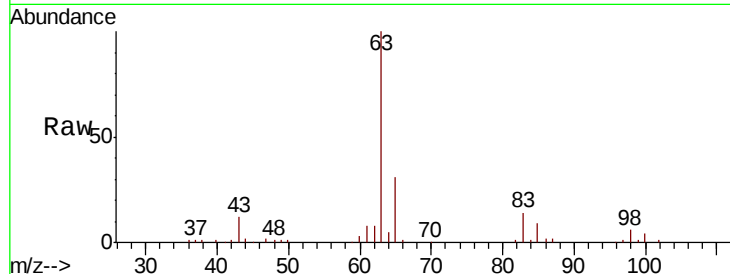
#21
 1,1-Dichloroethane
 Concen: 18.70 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion:	63	Resp:	271305
Ion Ratio	Lower	Upper	
63	100		
98	6.2	3.3	9.9
100	3.9	2.0	6.0

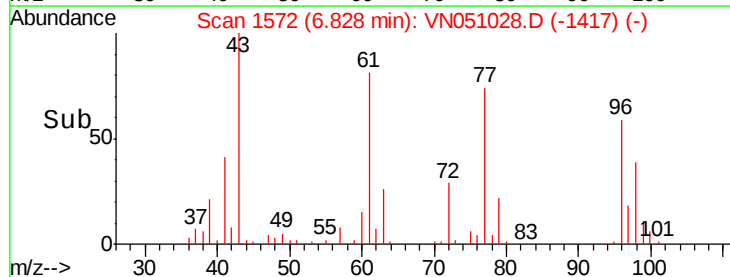
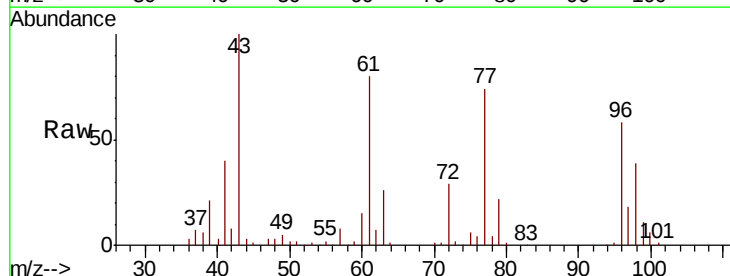
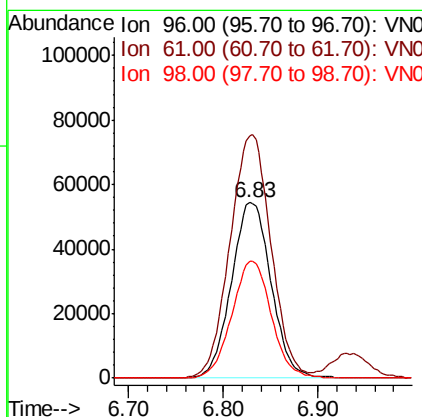
Manual Integrations
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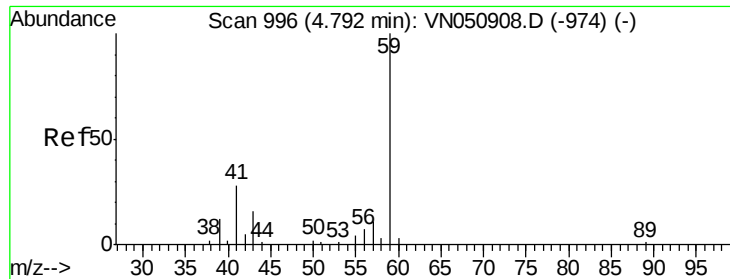
MMDadoda
 9/7/2018 11:23:20 AM



#22
 cis-1,2-Dichloroethene
 Concen: 18.24 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion:	96	Resp:	159039
Ion Ratio	Lower	Upper	
96	100		
61	143.0	110.0	165.0
98	66.3	51.7	77.5





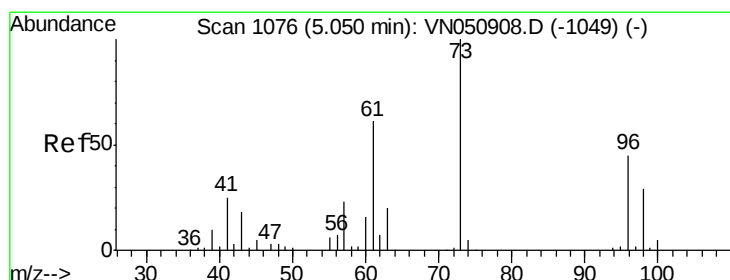
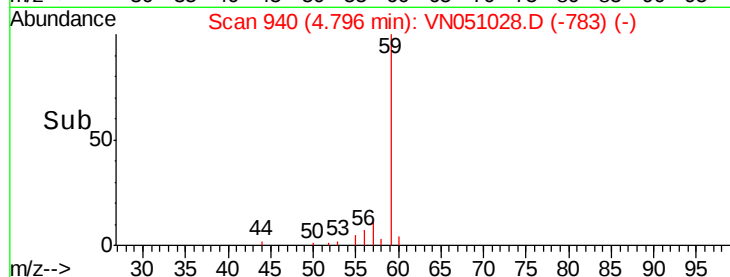
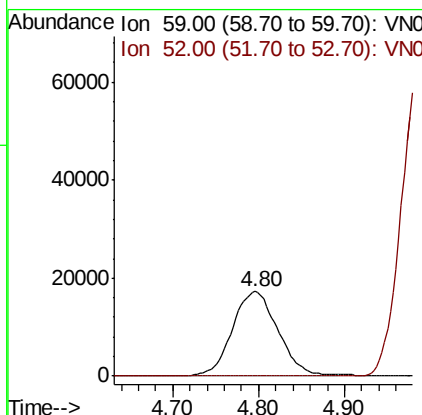
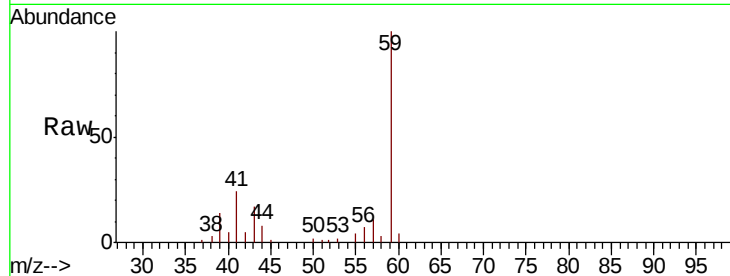
#23
 tert-Butyl Alcohol
 Concen: 105.71 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 59 Resp: 63675
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

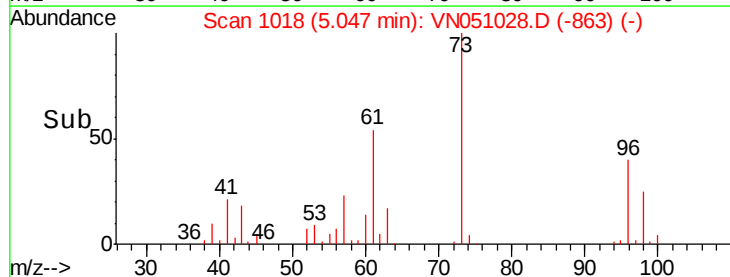
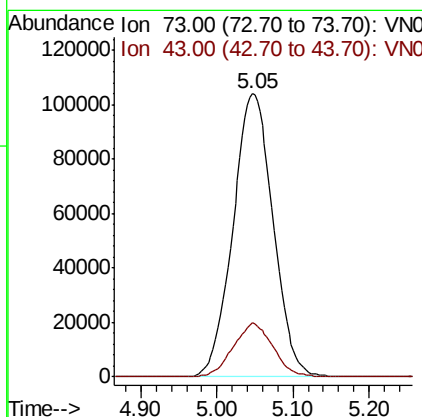
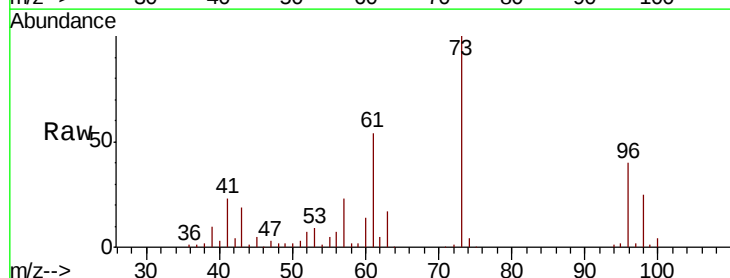
Manual Integrations
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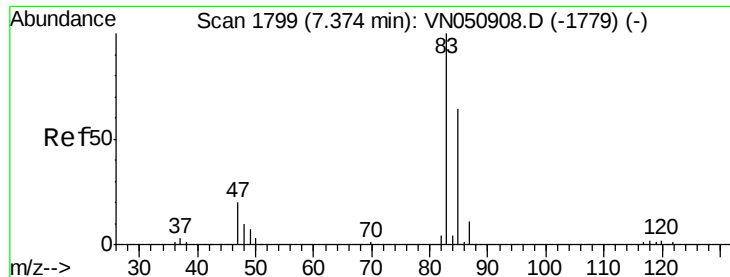
MMDadoda
 9/7/2018 11:23:20 AM



#24
 Methyl tert-Butyl Ether
 Concen: 19.26 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion: 73 Resp: 381652
 Ion Ratio Lower Upper
 73 100
 43 18.8 14.4 21.6





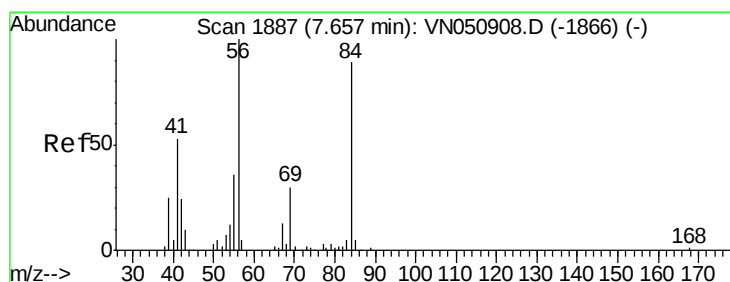
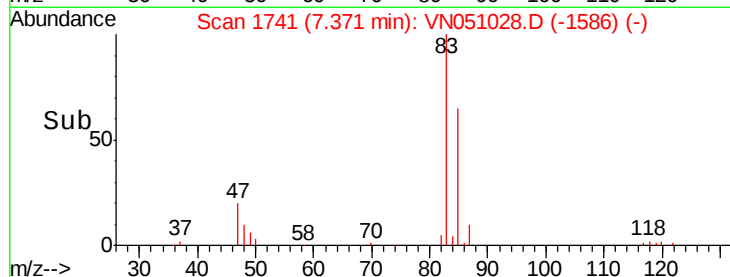
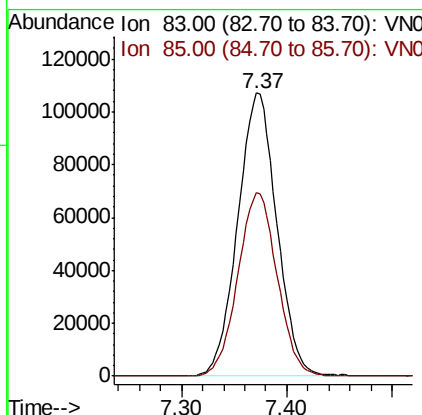
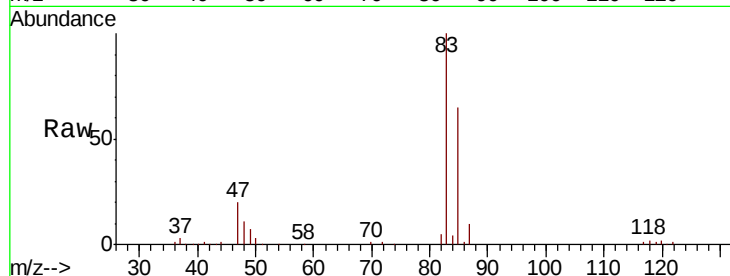
#25
Chloroform
Concen: 19.06 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	275920
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	51.4	77.0

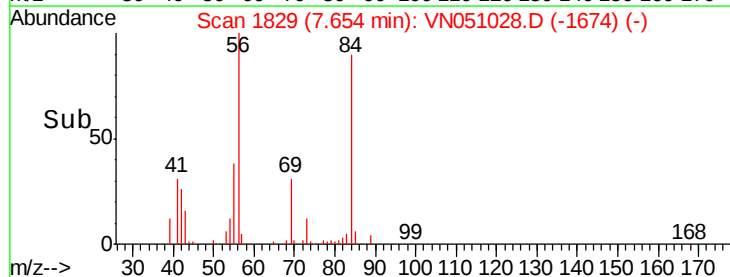
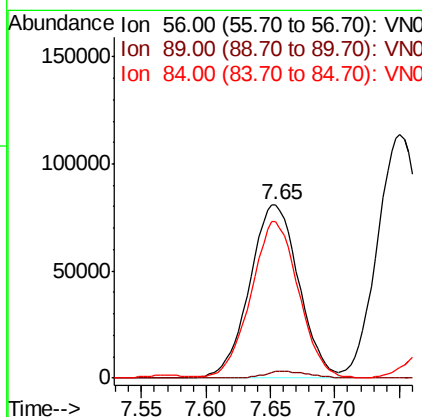
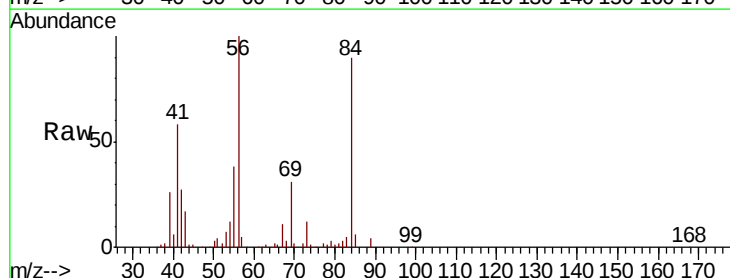
Manual Integrations
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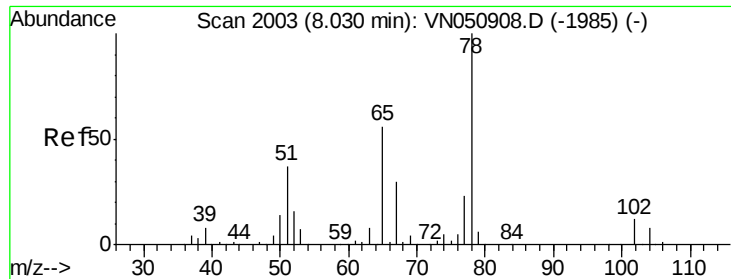
MMDadoda
9/7/2018 11:23:20 AM



#26
Cyclohexane
Concen: 17.90 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion	56	Resp	215171
Ion Ratio	100	Lower	Upper
56	100		
89	3.6	0.4	0.6#
84	86.9	70.4	105.6





#27

1,2-Dichloroethane-d4

Concen: 29.10 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 65 Resp: 248935

Ion Ratio Lower Upper

65 100

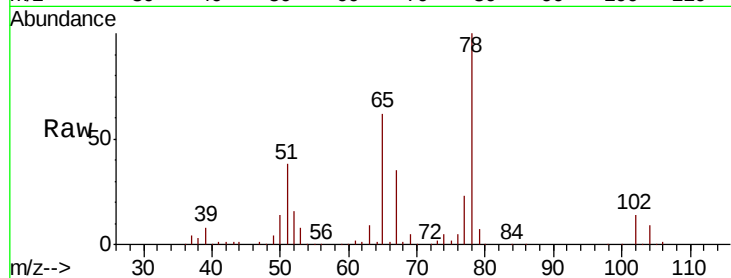
67 55.5 43.7 65.5

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Abundance Ion 65.00 (64.70 to 65.70): VN051028.D (-1985) (-)

Ion 67.00 (66.70 to 67.70): VN051028.D (-1985) (-)

8.03

120000

100000

80000

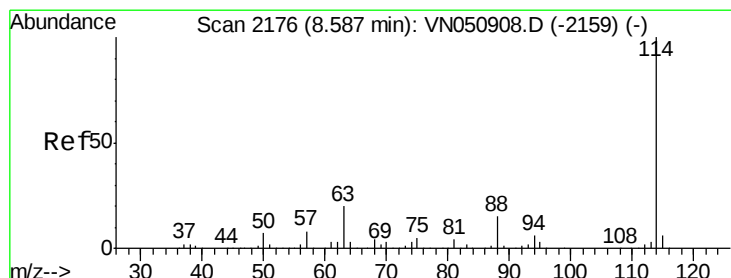
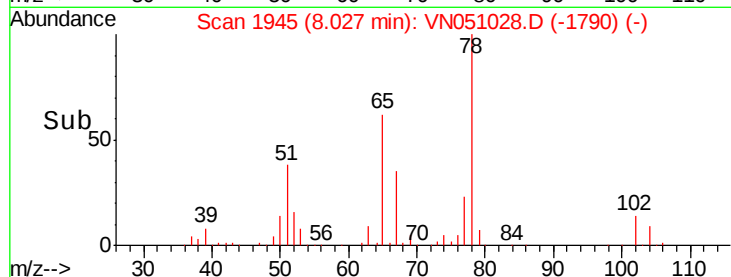
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

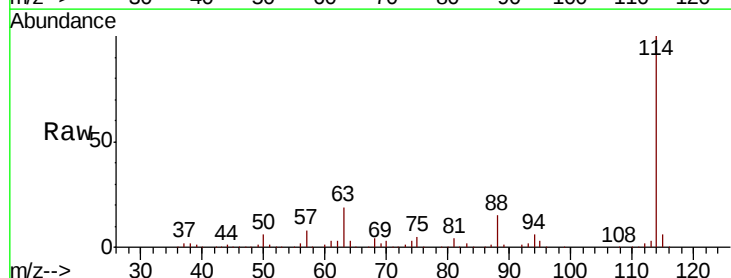
Tgt Ion: 114 Resp: 702633

Ion Ratio Lower Upper

114 100

63 19.5 15.6 23.4

88 15.3 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051028.D (-2159) (-)

Ion 63.00 (62.70 to 63.70): VN051028.D (-2159) (-)

Ion 88.00 (87.70 to 88.70): VN051028.D (-2159) (-)

8.59

400000

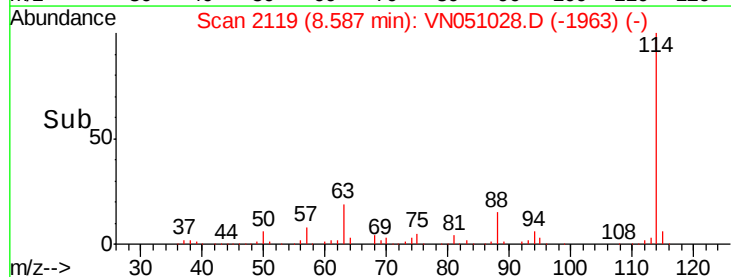
300000

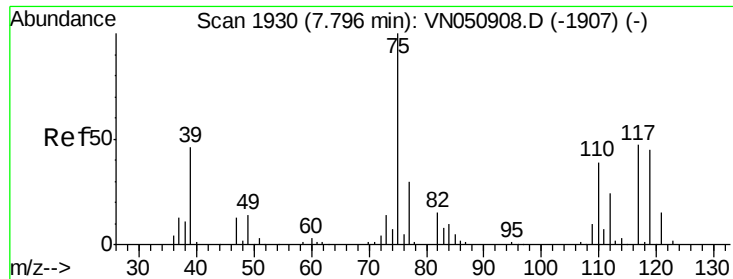
200000

100000

0

Time-->





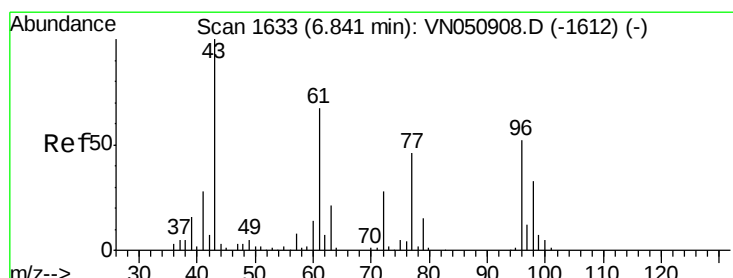
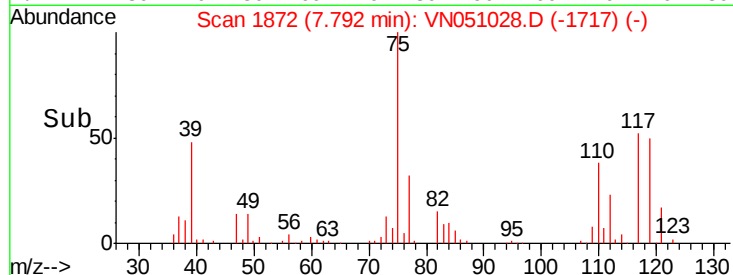
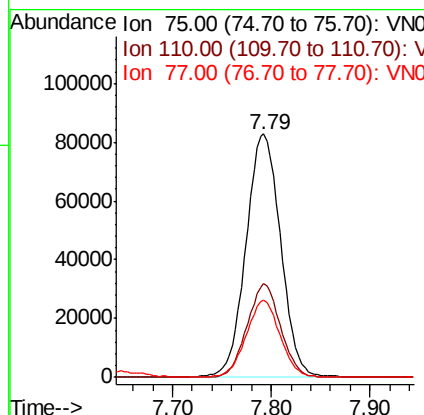
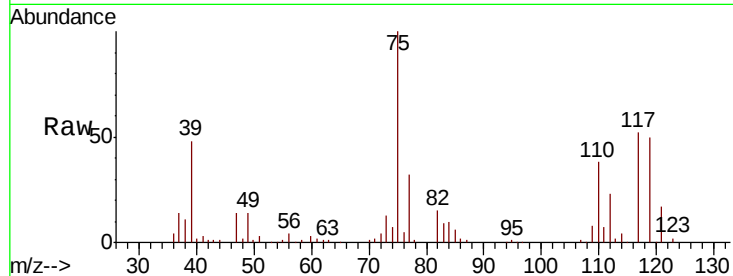
#29
 1,1-Dichloropropene
 Concen: 19.13 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.0	0.0	75.0
77	31.1	0.0	60.6

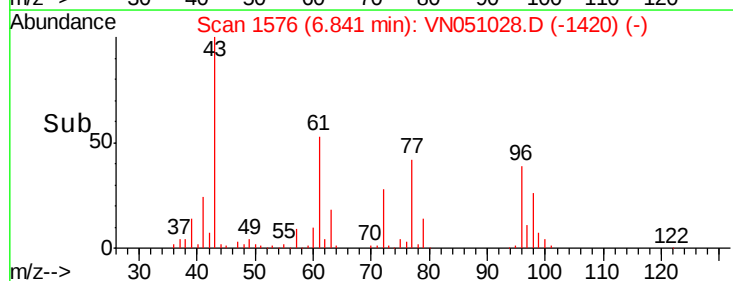
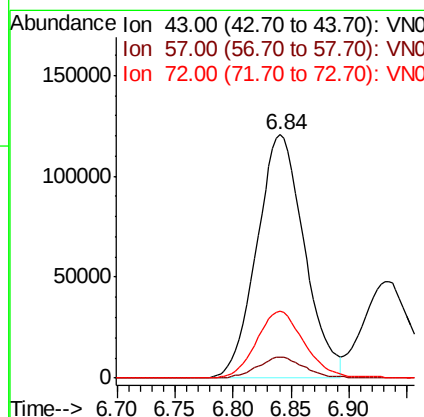
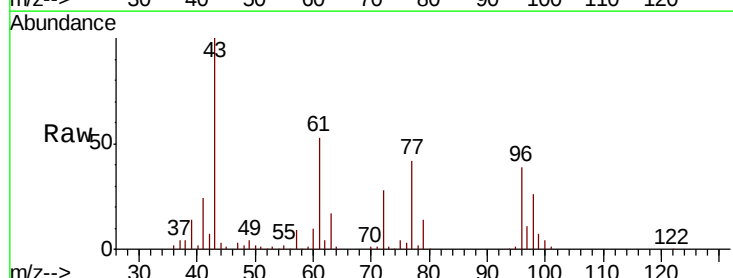
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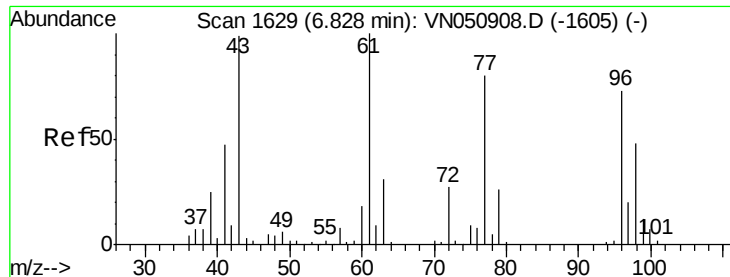
MMDadoda
 9/7/2018 11:23:20 AM



#30
 2-Butanone
 Concen: 106.00 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.9	10.3
72	27.8	22.8	34.2





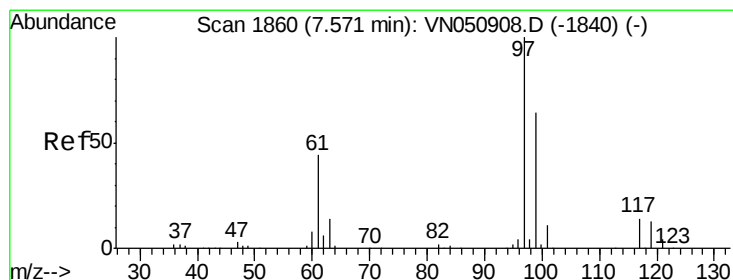
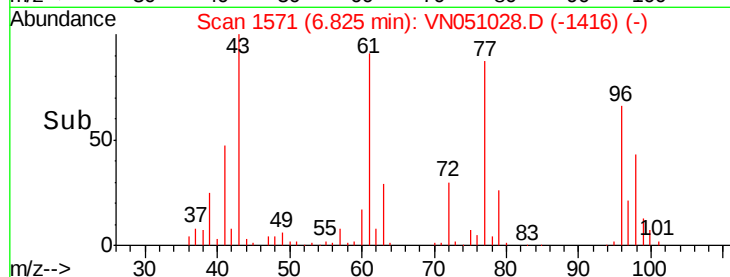
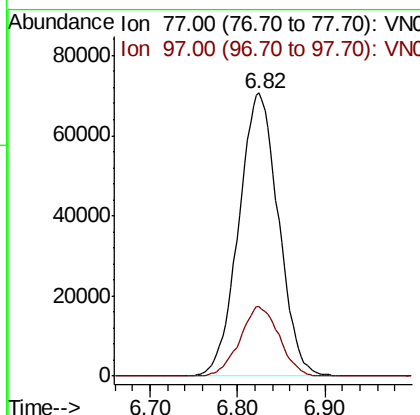
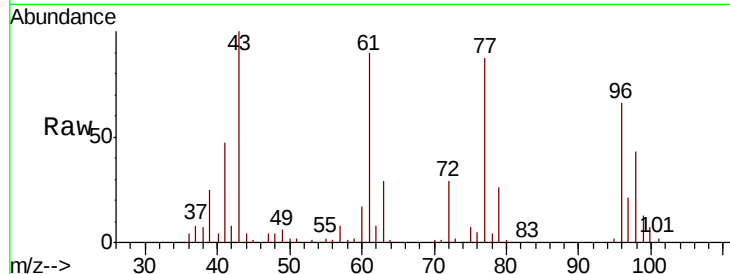
#31
 2,2-Dichloropropane
 Concen: 21.70 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion: 77 Resp: 222075
 Ion Ratio Lower Upper
 77 100
 97 24.3 20.2 30.2

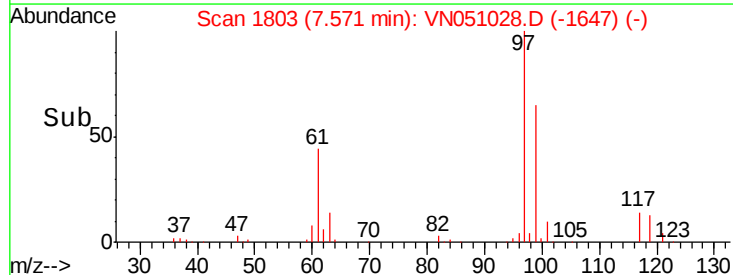
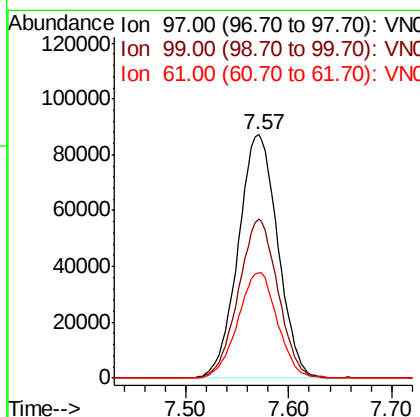
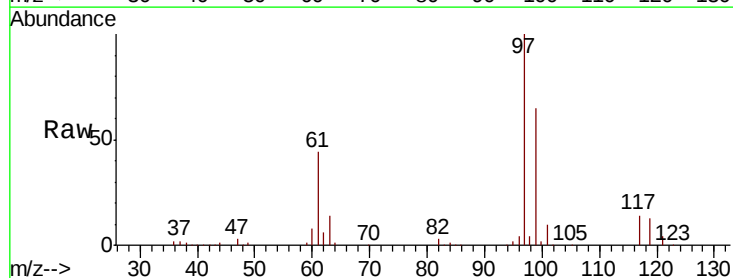
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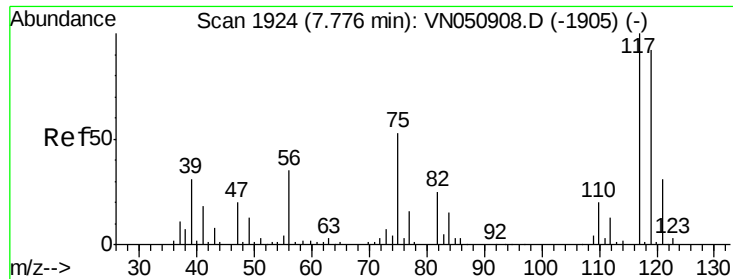
MMDadoda
 9/7/2018 11:23:20 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.47 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion: 97 Resp: 232293
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.0 78.0
 61 43.2 35.0 52.6





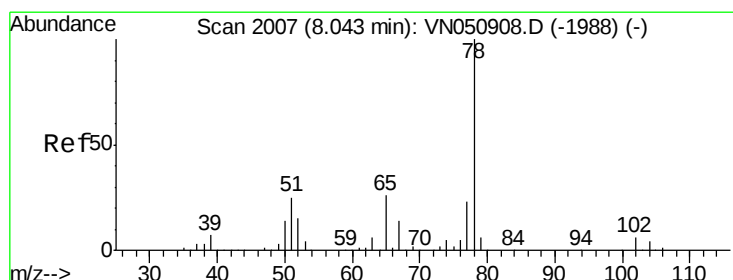
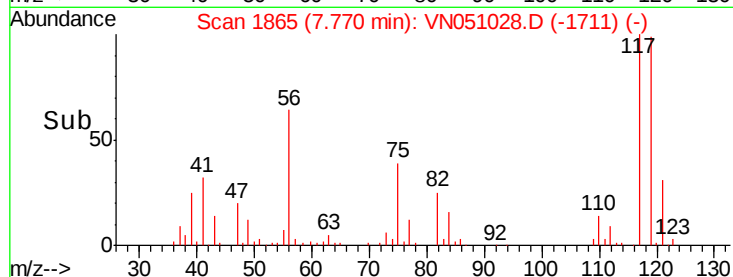
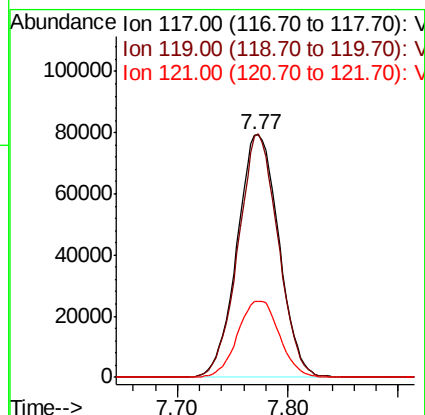
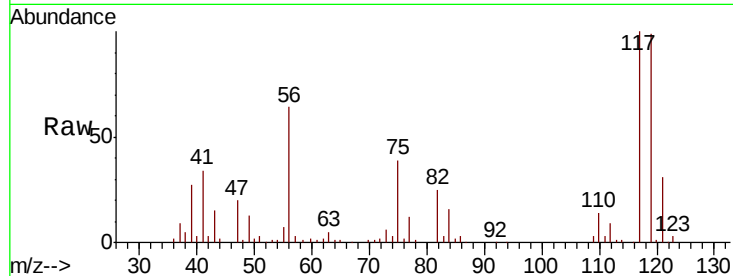
#33
Carbon Tetrachloride
Concen: 19.35 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.3	73.5	110.3
121	31.1	24.6	37.0

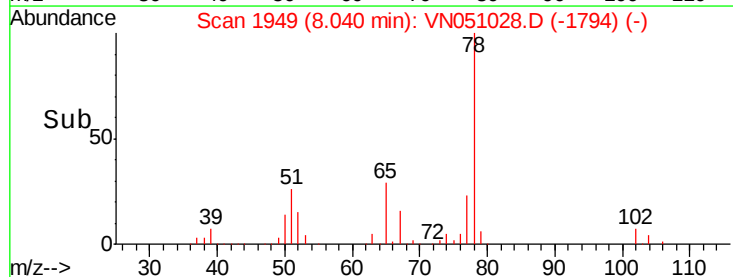
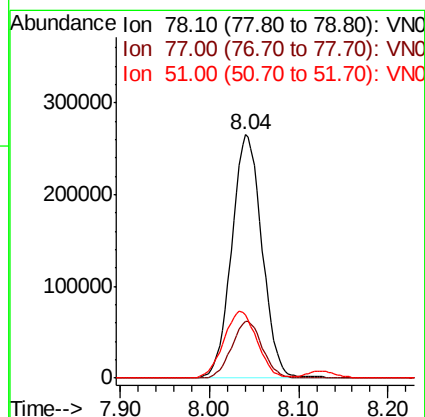
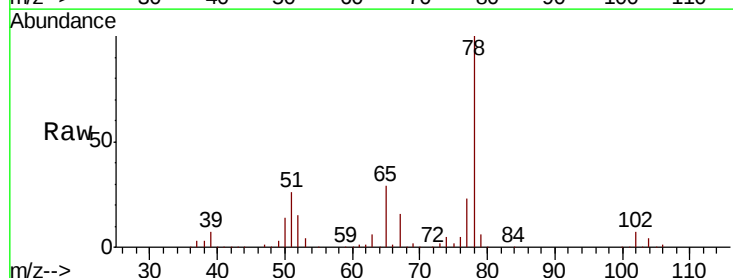
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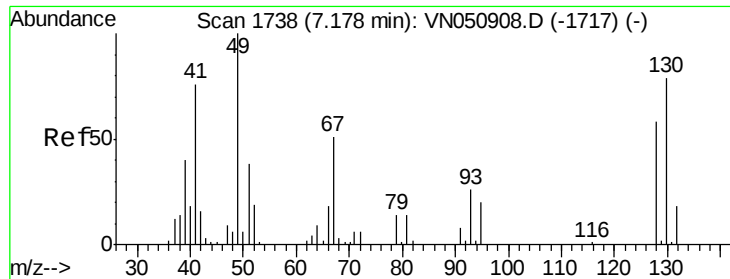
MMDadoda
9/7/2018 11:23:20 AM



#34
Benzene
Concen: 19.18 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	28.0
51	25.6	20.0	30.0





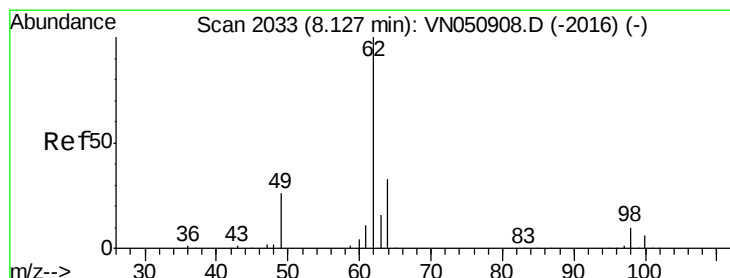
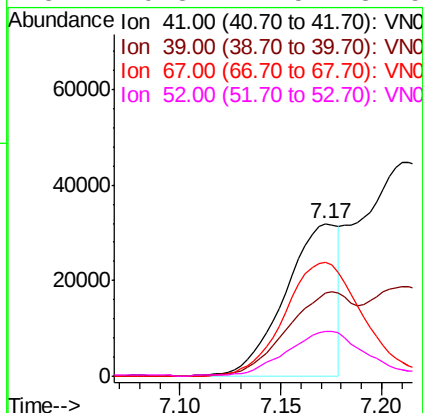
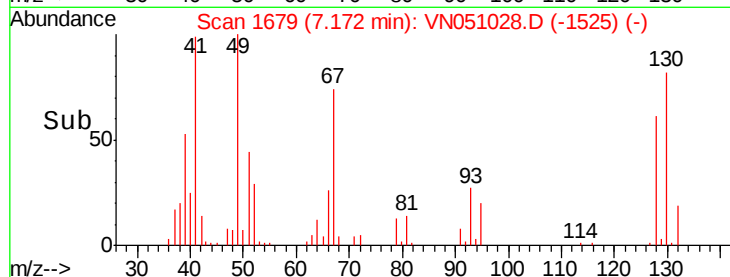
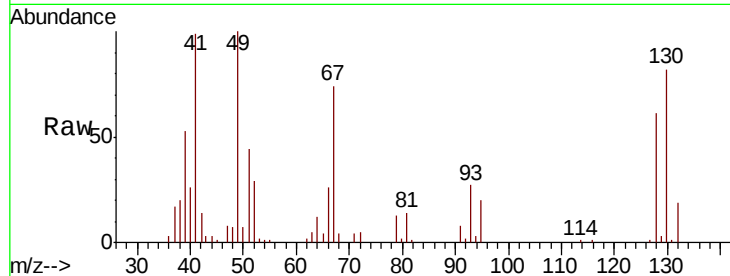
#35
Methacrylonitrile
Concen: 16.53 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion:	41	Resp:	58599
Ion	Ratio	Lower	Upper
41	100		
39	54.2	26.2	78.5
67	74.6	33.9	101.6
52	29.3	12.5	37.5

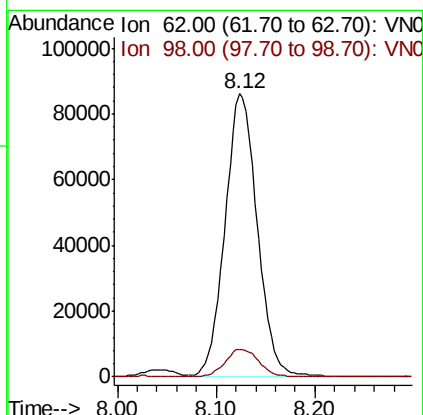
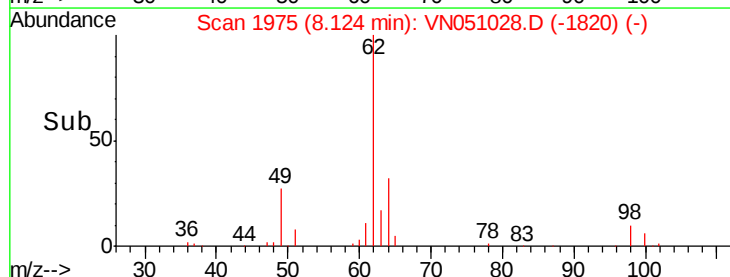
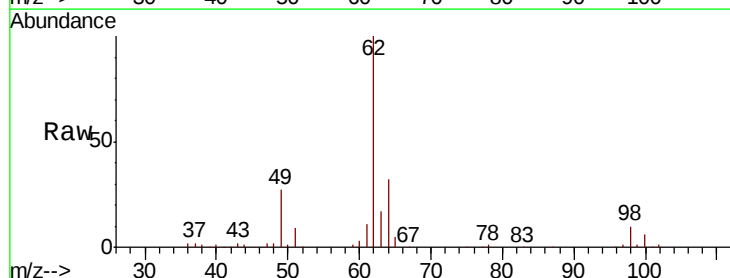
Manual Integrations
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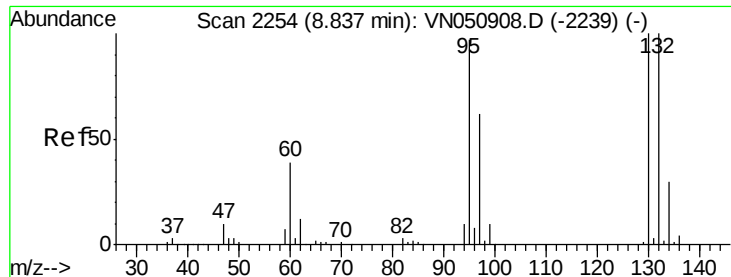
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#36
1,2-Dichloroethane
Concen: 20.00 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion:	62	Resp:	196844
Ion	Ratio	Lower	Upper
62	100		
98	10.1	8.0	12.0





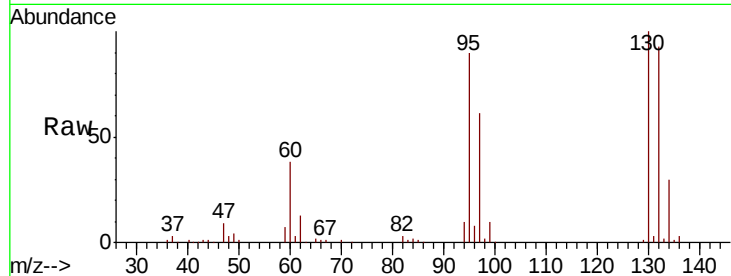
#37
 Trichloroethene
 Concen: 19.48 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

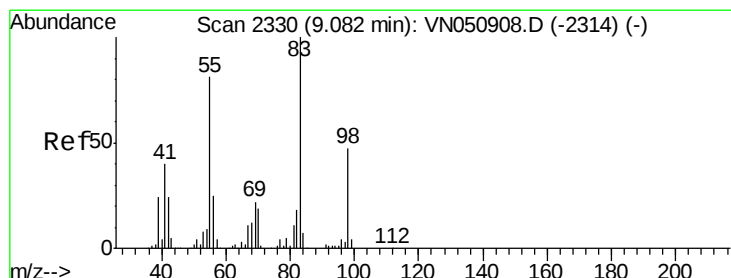
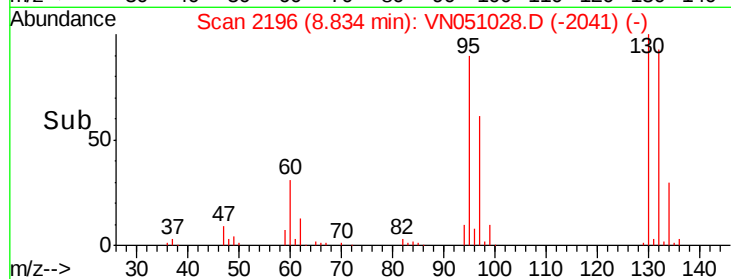
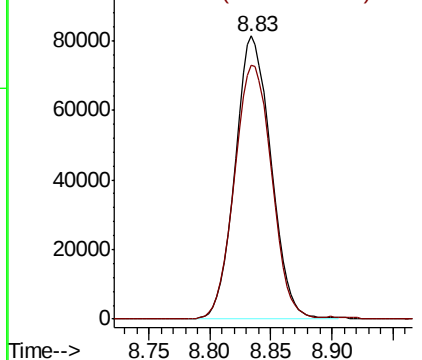
Tot Ion:130 Resp: 165677
 Ion Ratio Lower Upper
 130 100
 95 89.8 77.4 116.0

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 9/7/2018 11:23:20 AM

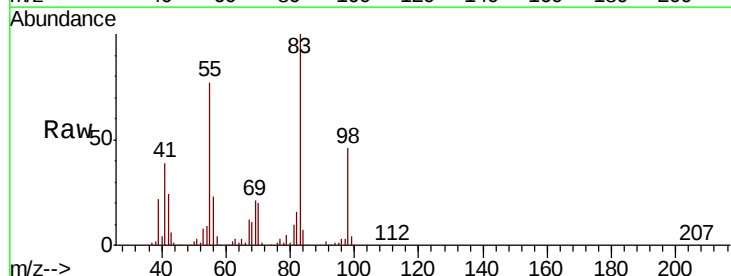


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

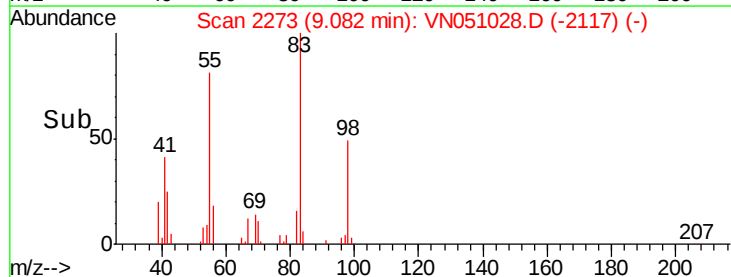
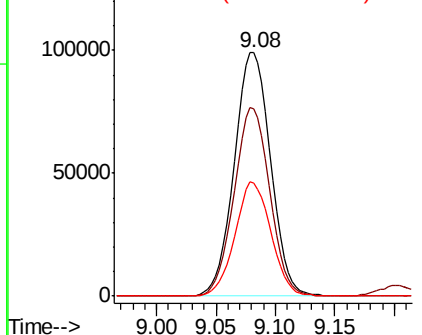


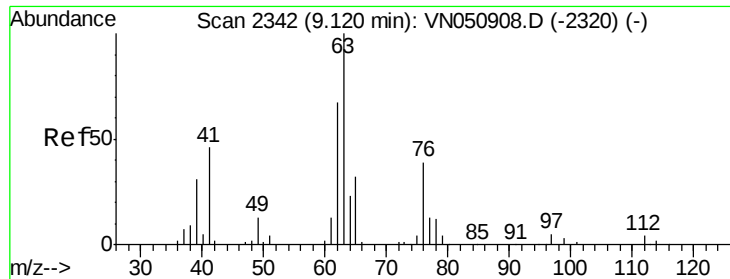
#38
 Methylcyclohexane
 Concen: 18.60 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion: 83 Resp: 210124
 Ion Ratio Lower Upper
 83 100
 55 76.0 38.9 116.7
 98 46.4 22.9 68.7



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 19.62 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 63 Resp: 166755

Ion Ratio Lower Upper

63 100

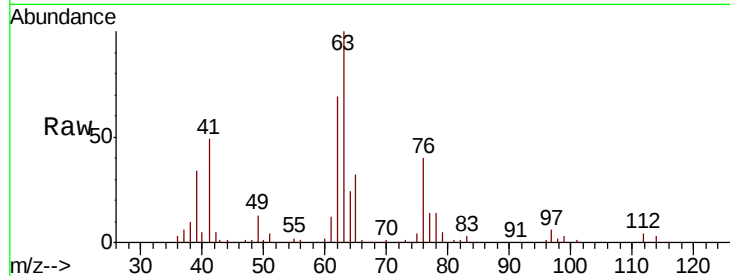
65 32.3 25.6 38.4

Manual Integrations

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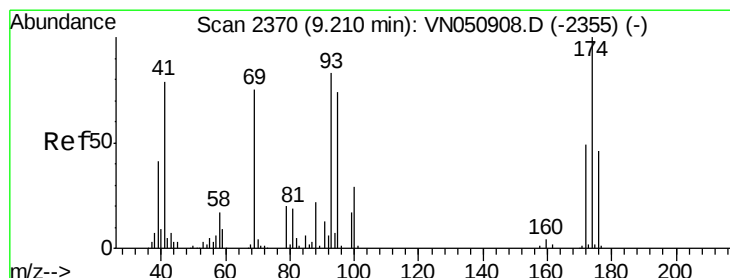
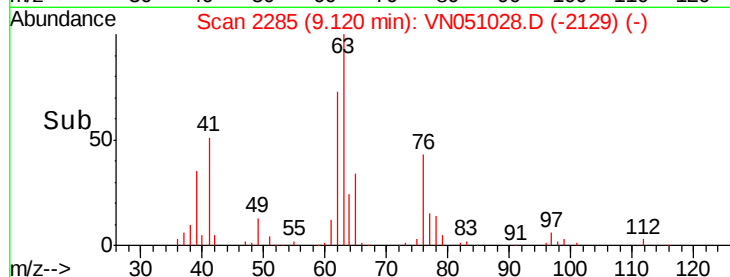
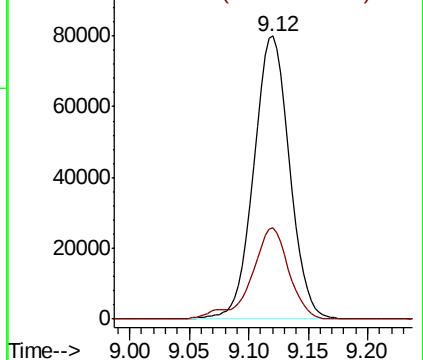
MMDadoda

9/7/2018 11:23:20 AM



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.58 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

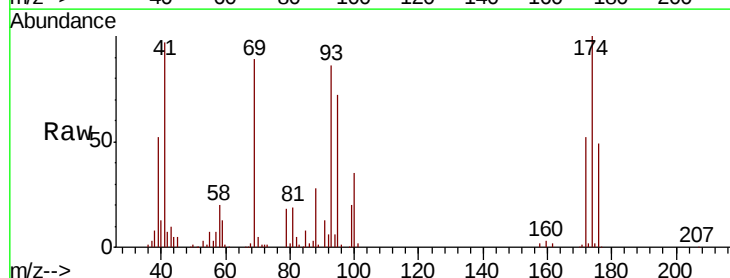
Tgt Ion: 93 Resp: 100245

Ion Ratio Lower Upper

93 100

95 83.4 0.0 173.4

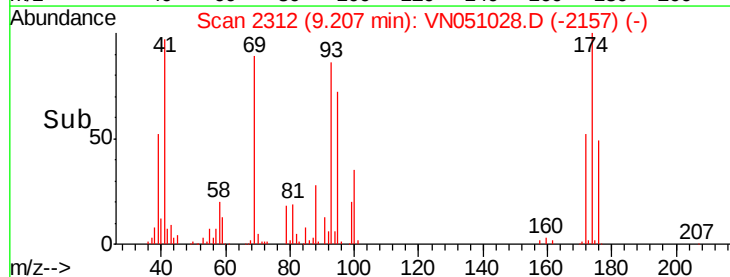
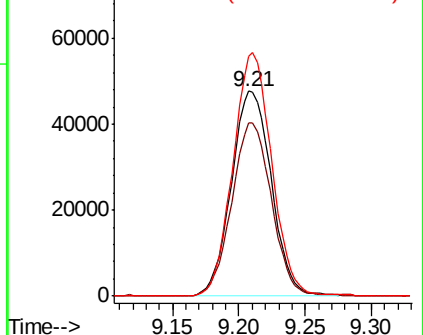
174 114.5 0.0 234.8

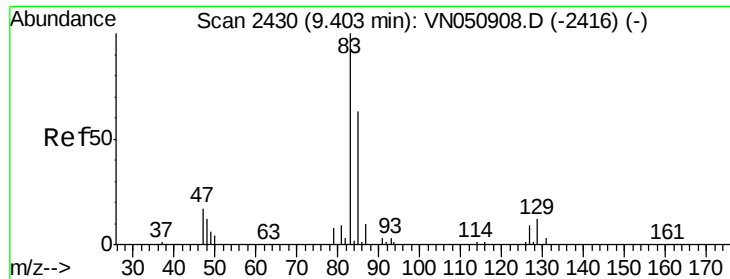


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





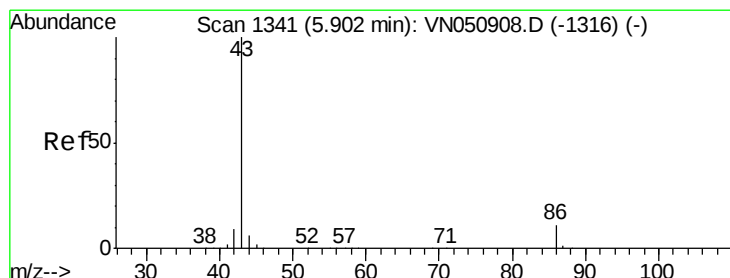
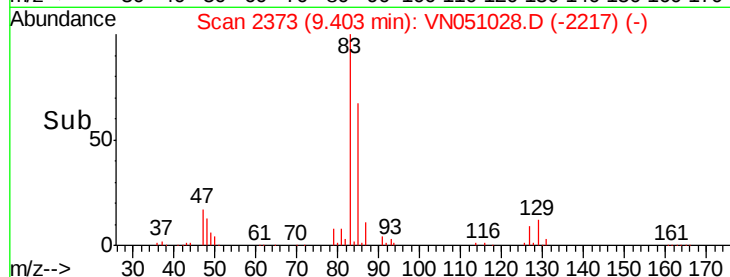
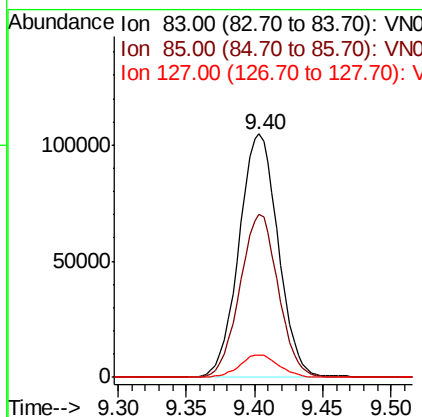
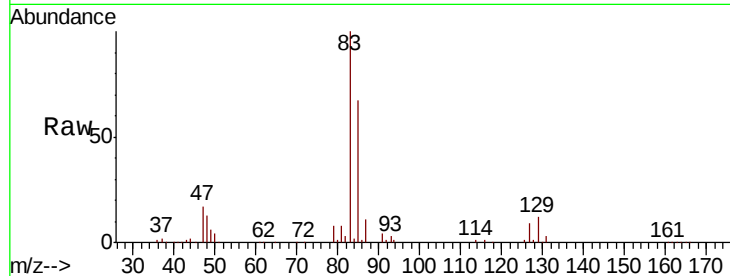
#41
 Bromodichloromethane
 Concen: 19.31 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	83	Resp	208426
Ion Ratio	100	Lower	Upper
83	100		
85	67.1	50.6	76.0
127	9.2	7.1	10.7

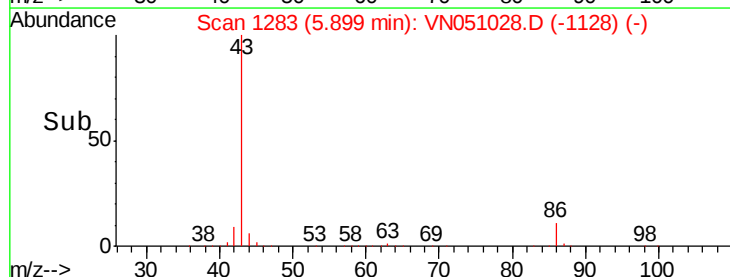
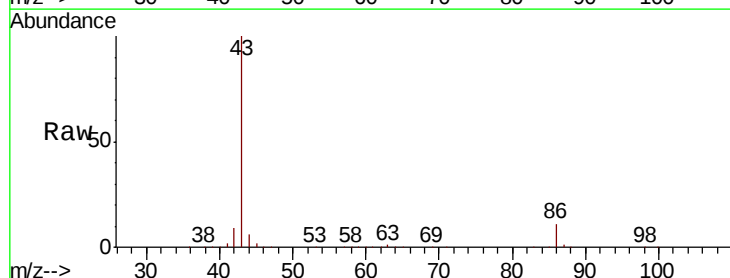
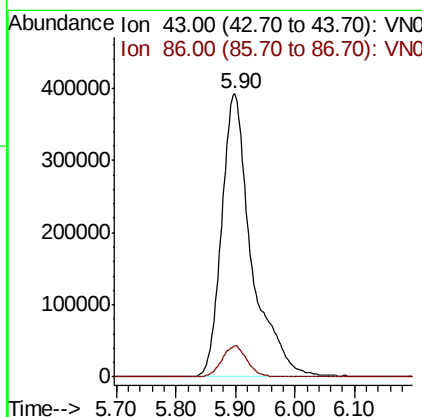
Manual Integrations
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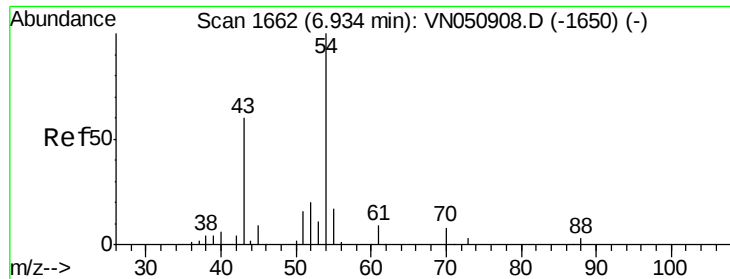
MMDadoda
 9/7/2018 11:23:20 AM



#42
 Vinyl Acetate
 Concen: 92.28 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion	43	Resp	1375434
Ion Ratio	100	Lower	Upper
43	100		
86	9.4	7.2	10.8





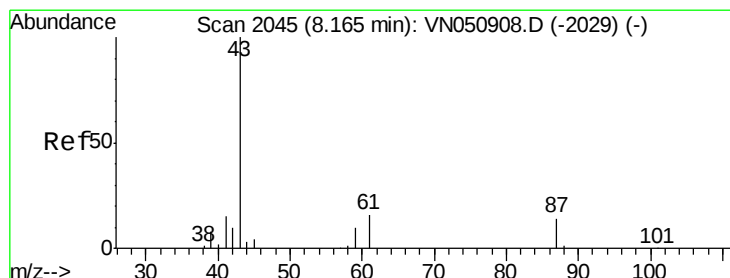
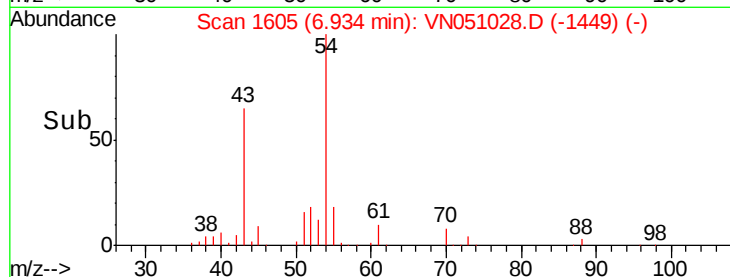
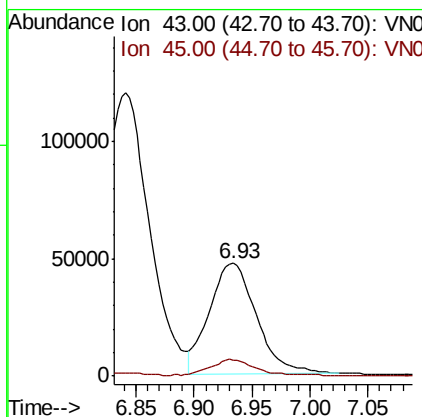
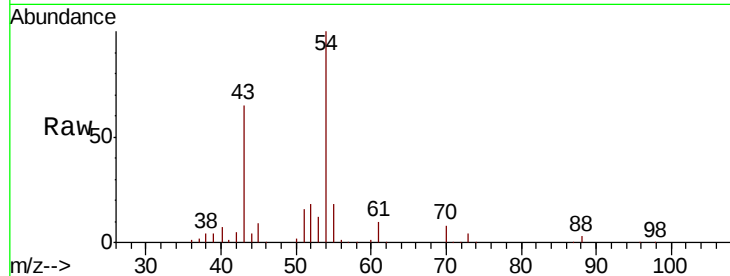
#43
Ethyl Acetate
Concen: 20.03 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 43 Resp: 132769
Ion Ratio Lower Upper
43 100
45 12.7 10.2 15.2

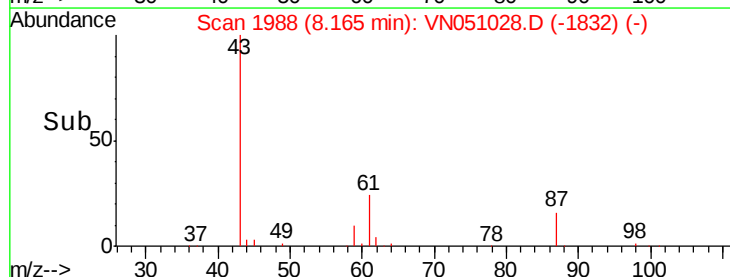
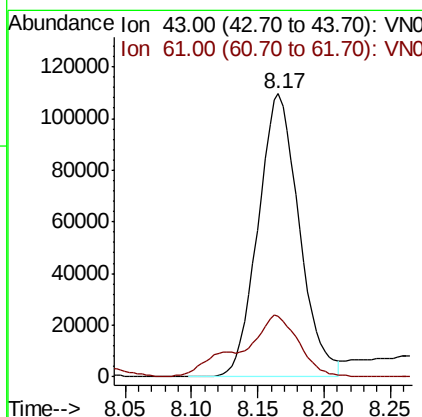
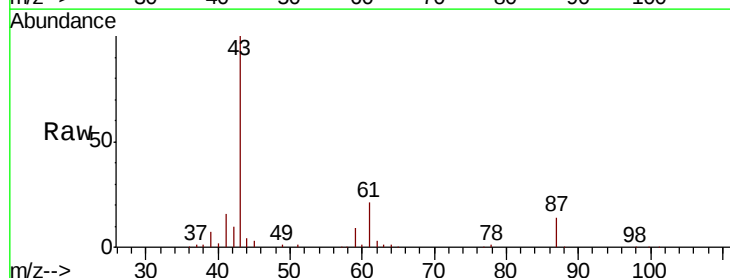
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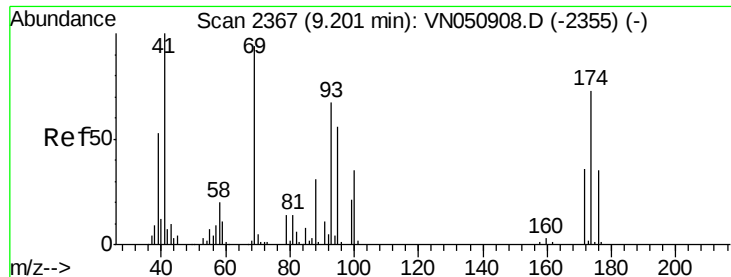
MMDadoda
9/7/2018 11:23:20 AM



#44
Isopropyl Acetate
Concen: 20.15 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion: 43 Resp: 235686
Ion Ratio Lower Upper
43 100
61 21.6 16.3 24.5





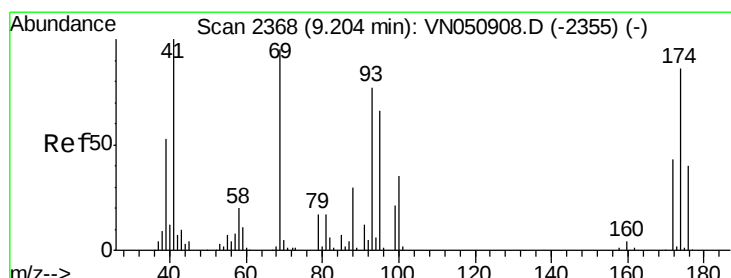
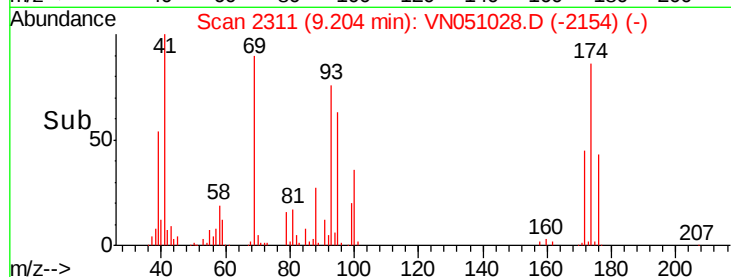
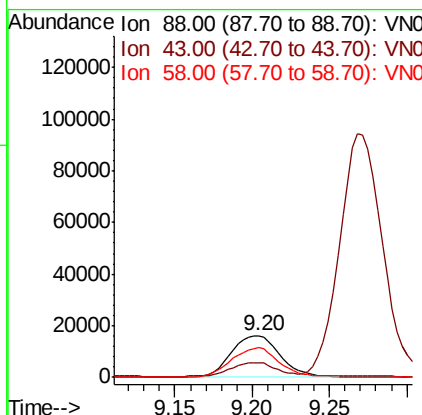
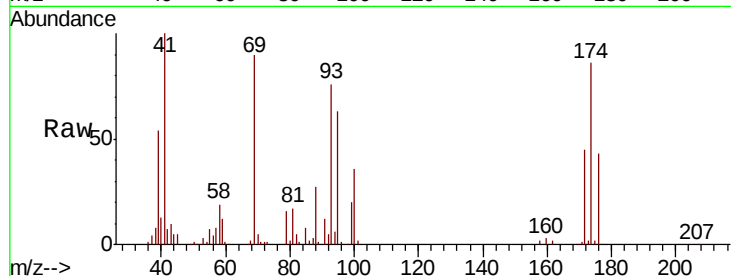
#45
 1,4-Dioxane
 Concen: 408.54 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	88	Resp	35500
Ion Ratio	Lower	Upper	
88	100		
43	31.6	23.5	35.3
58	70.0	55.2	82.8

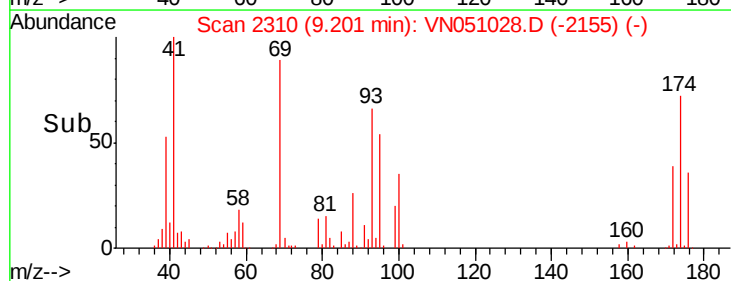
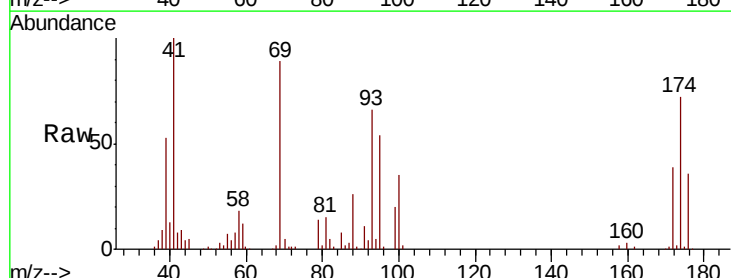
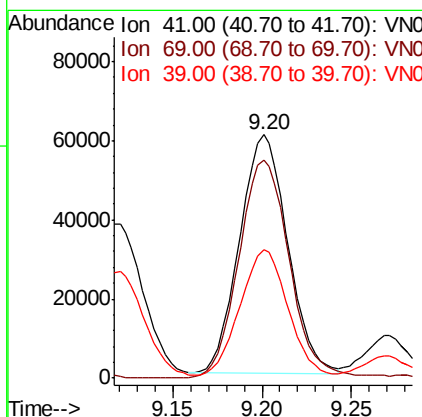
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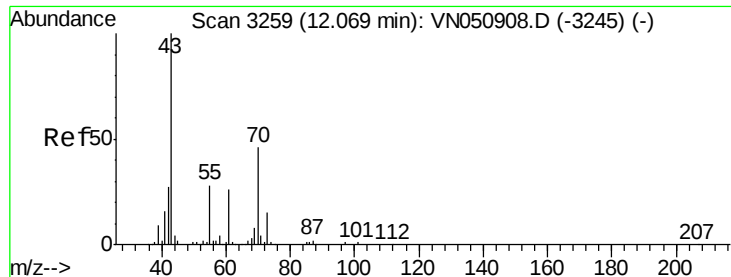
MMDadoda
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#46
 Methyl methacrylate
 Concen: 19.52 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion	41	Resp	114366
Ion Ratio	Lower	Upper	
41	100		
69	90.9	47.4	142.2
39	52.6	26.6	79.7





#47

n-amyl Acetate

Concen: 19.49 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 43 Resp: 183324

Ion Ratio Lower Upper

43 100

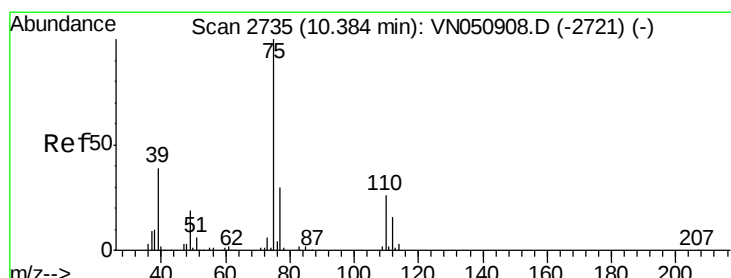
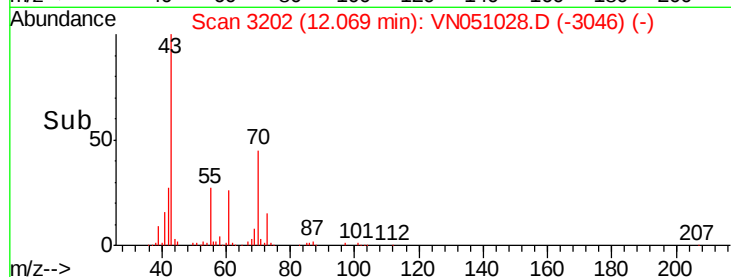
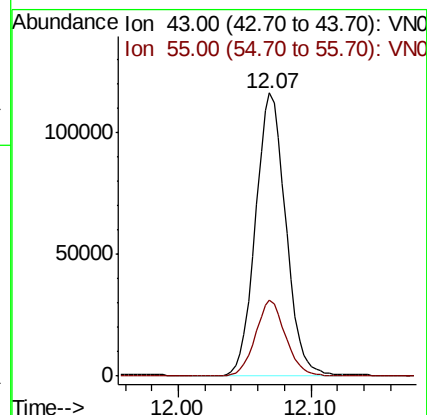
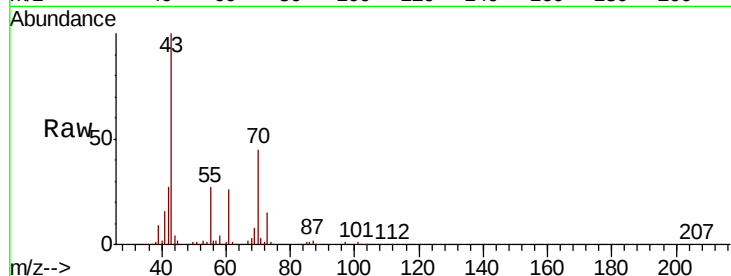
55 26.9 23.0 34.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 19.31 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051028.D

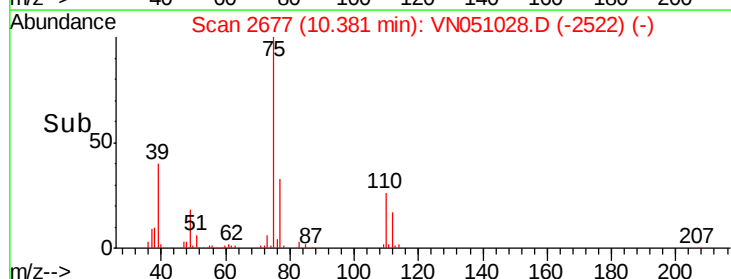
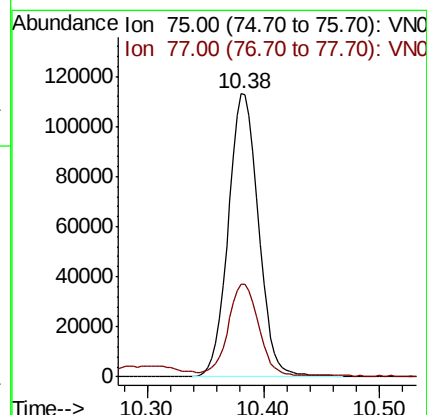
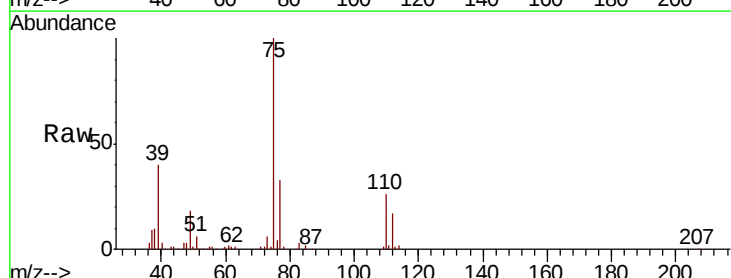
Acq: 6 Sep 2018 12:01

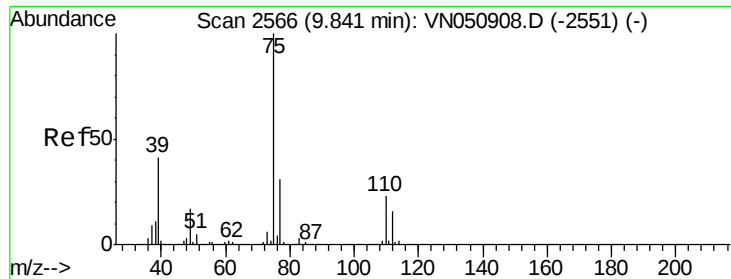
Tgt Ion: 75 Resp: 204307

Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2





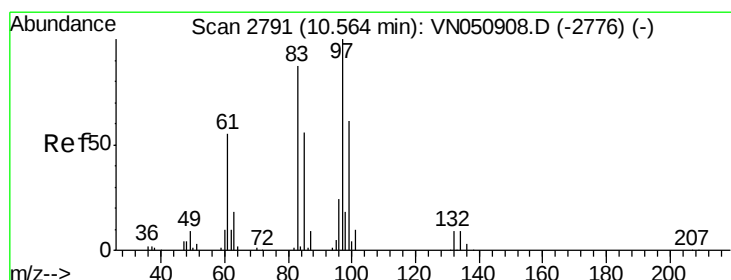
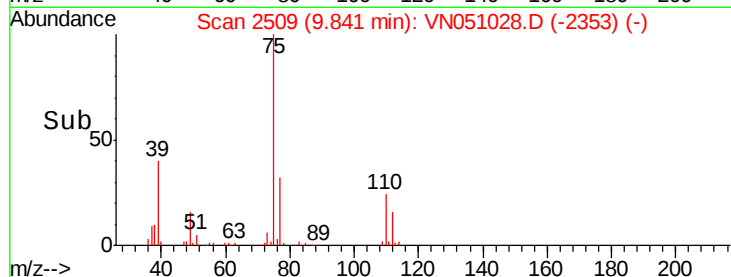
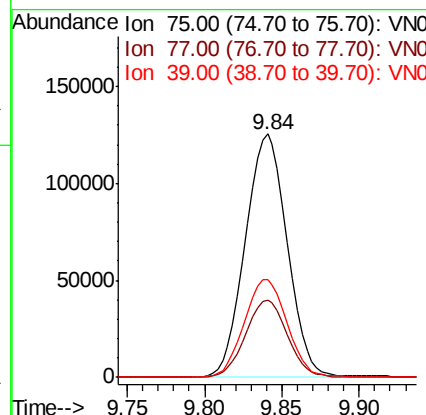
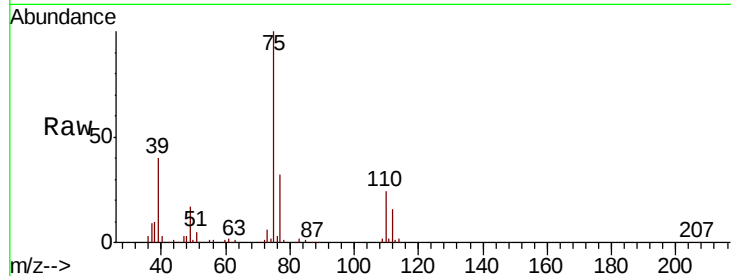
#49
 cis-1,3-Dichloropropene
 Concen: 19.51 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4
39	40.3	32.9	49.3

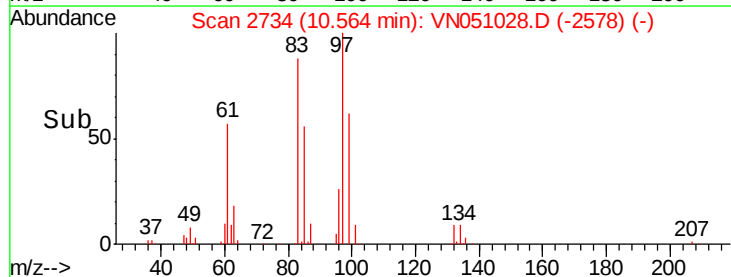
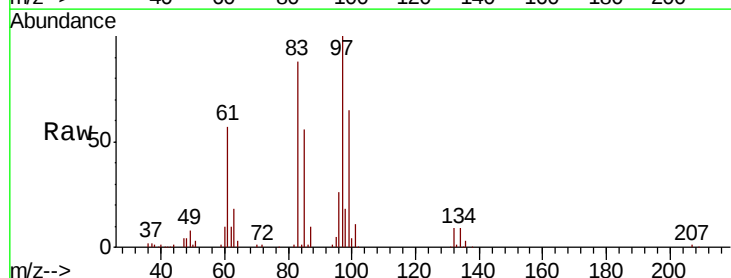
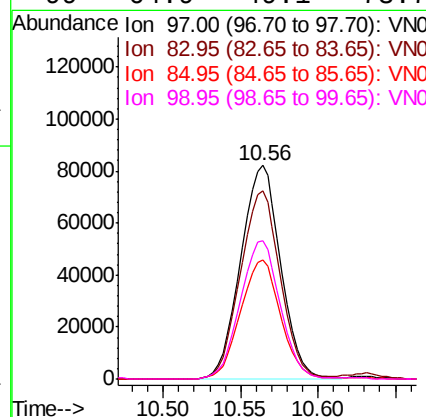
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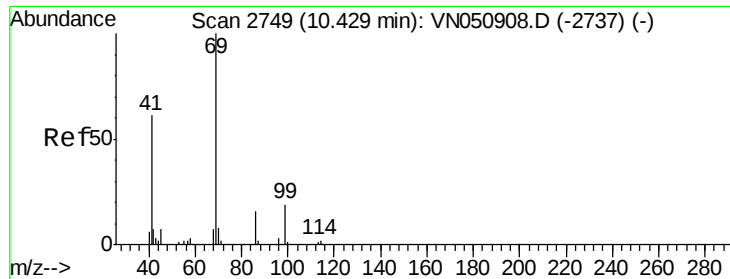
MMDadoda
 9/7/2018 11:23:20 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.85 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.8	104.6
85	56.0	45.0	67.6
99	64.9	49.1	73.7





#51

Ethyl methacrylate

Concen: 19.17 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

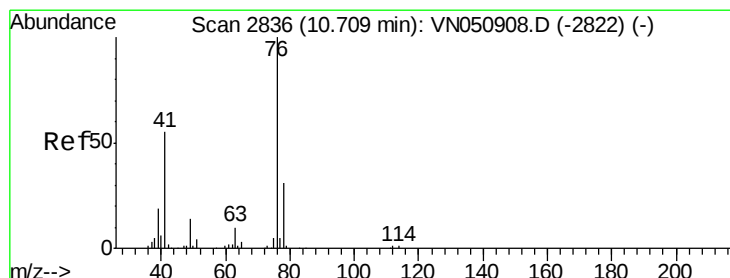
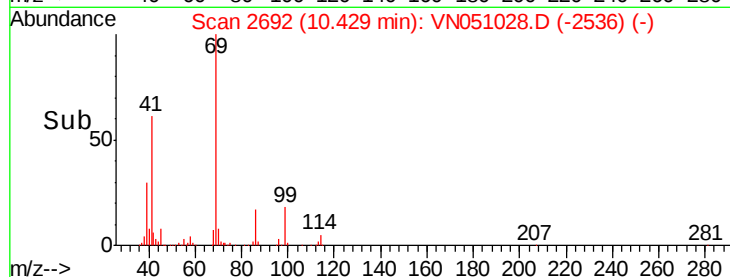
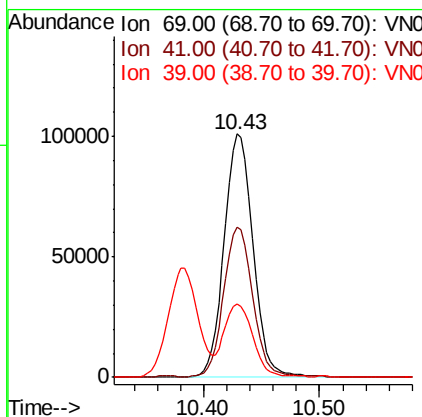
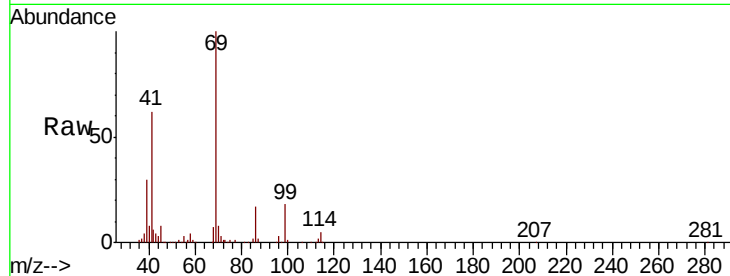
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	174501
Ion	Ratio	Lower	Upper
69	100		
41	61.5	30.5	91.5
39	29.8	15.3	45.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.63 ug/l

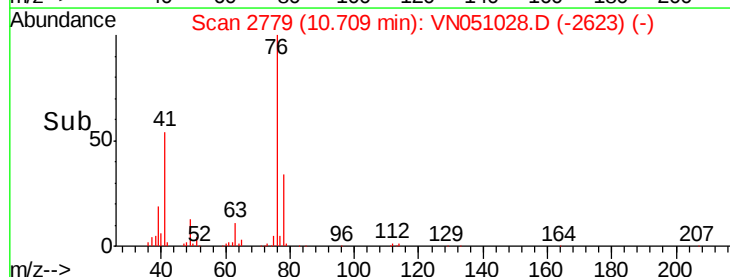
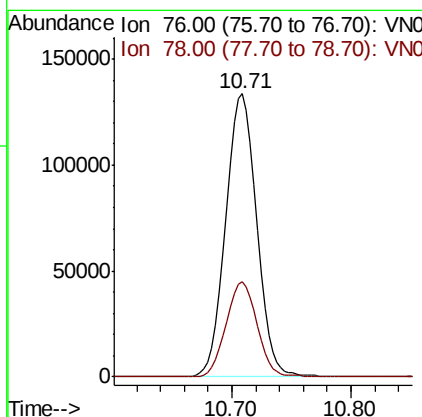
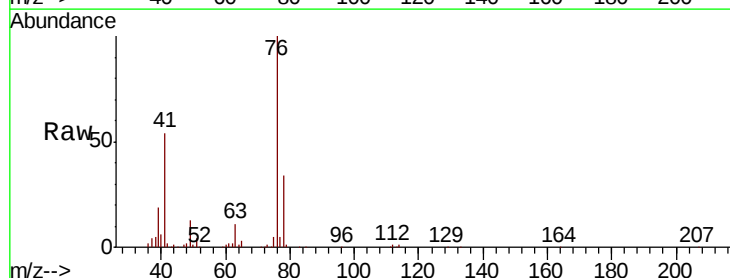
RT: 10.71 min Scan# 2779

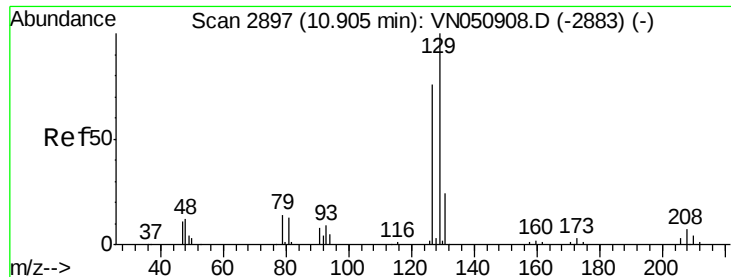
Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Tgt Ion:	76	Resp:	241851
Ion	Ratio	Lower	Upper
76	100		
78	33.6	0.0	63.4





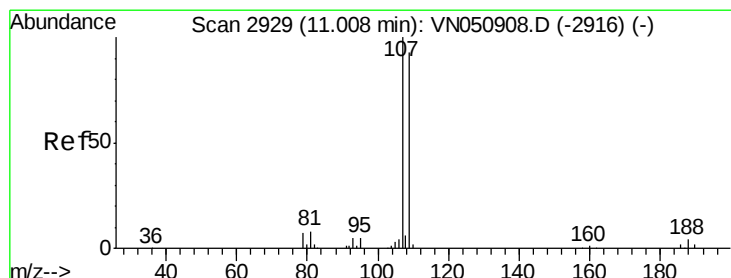
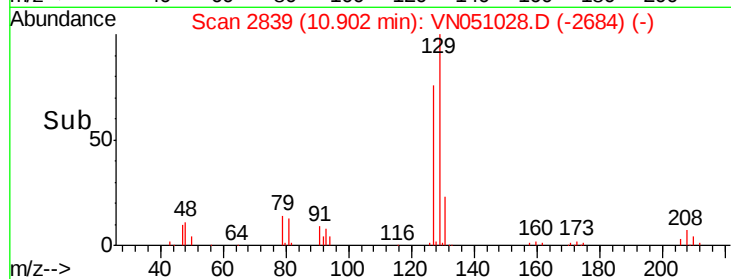
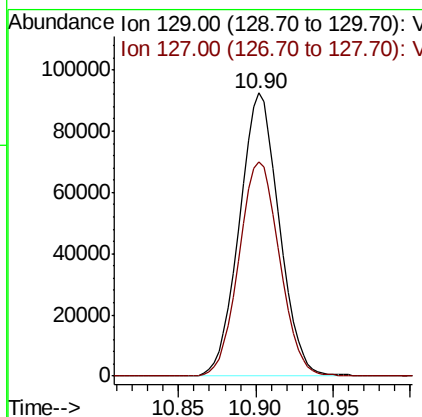
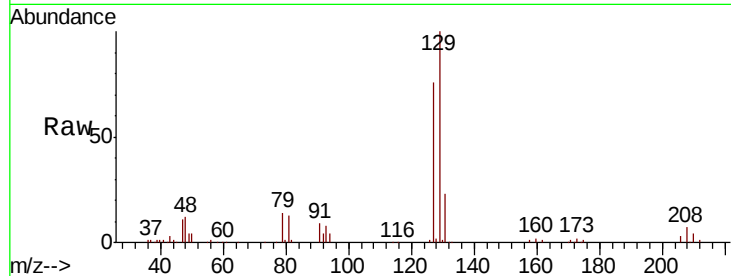
#53
 Dibromochloromethane
 Concen: 19.55 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion:129 Resp: 165402
 Ion Ratio Lower Upper
 129 100
 127 77.4 39.0 116.9

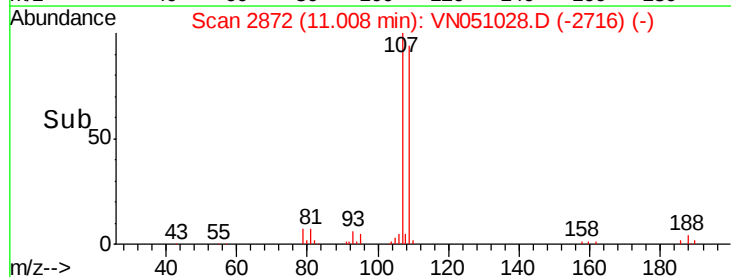
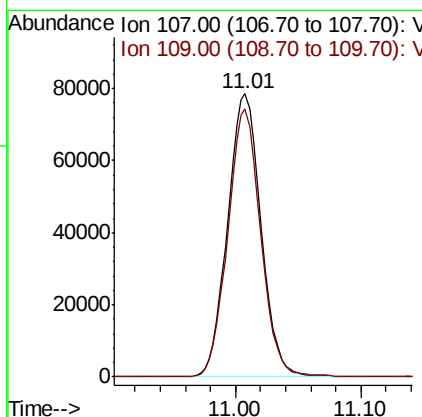
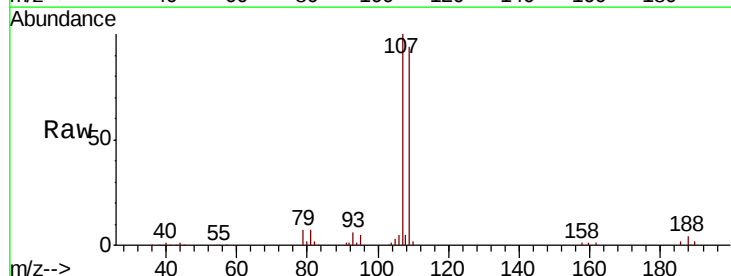
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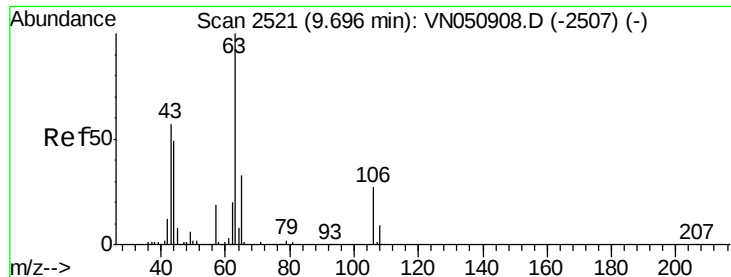
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#54
 1,2-Dibromoethane
 Concen: 19.70 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion:107 Resp: 144896
 Ion Ratio Lower Upper
 107 100
 109 93.0 74.4 111.6





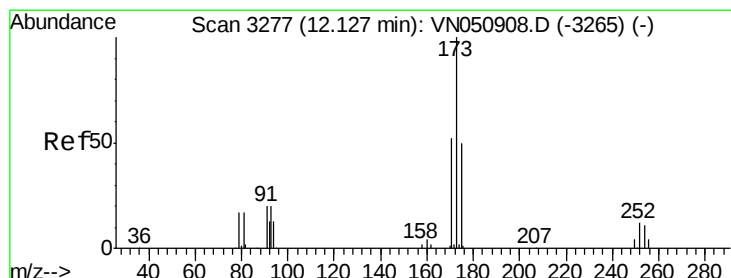
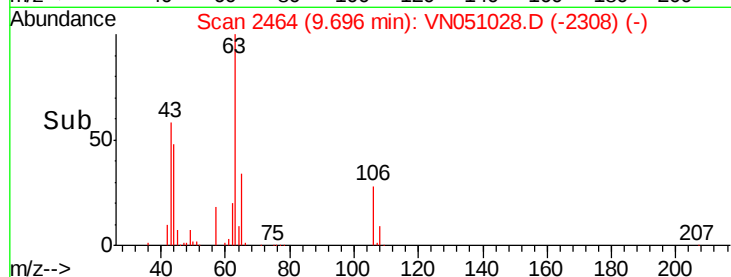
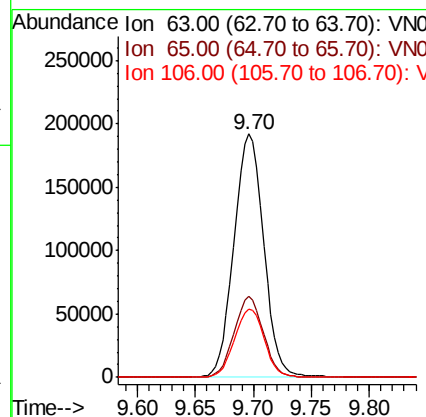
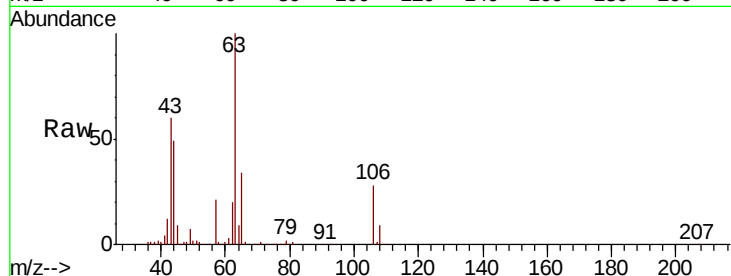
#55
2-Chloroethyl vinyl ether
Concen: 90.07 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.4	38.2
106	28.0	22.0	33.0

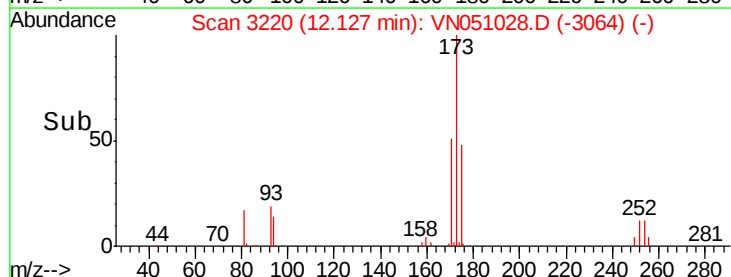
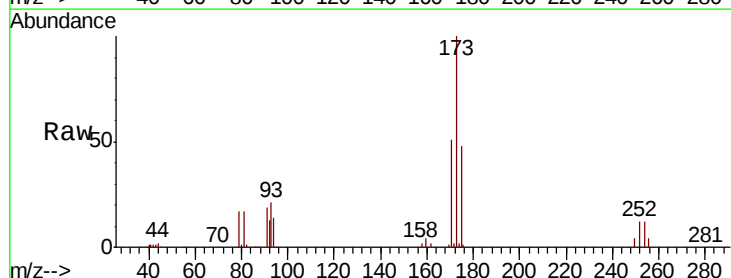
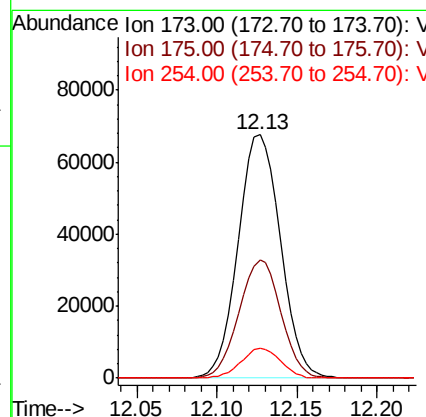
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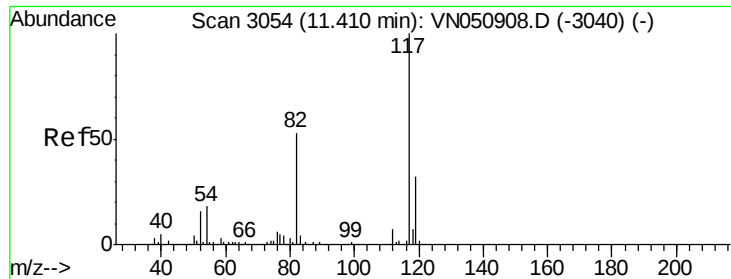
MMDadoda
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#56
Bromoform
Concen: 20.31 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	39.2	58.8
254	11.4	9.0	13.6





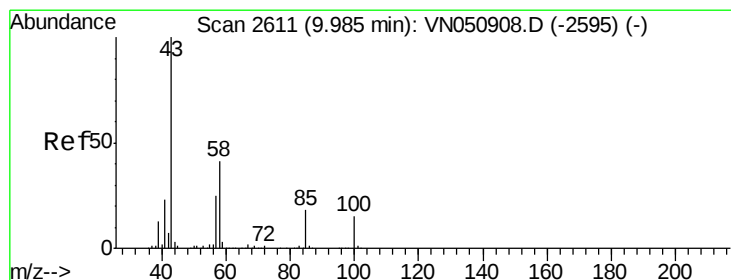
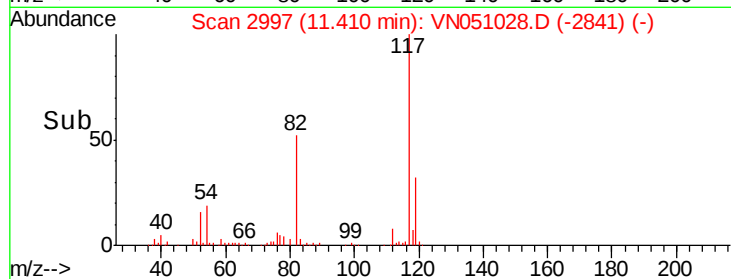
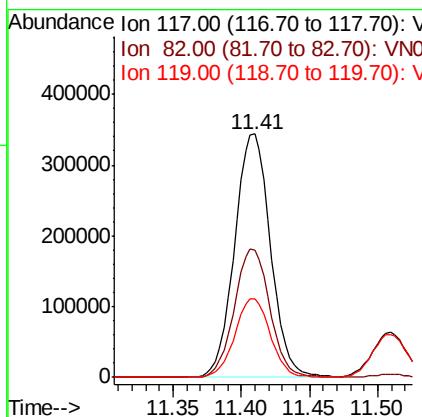
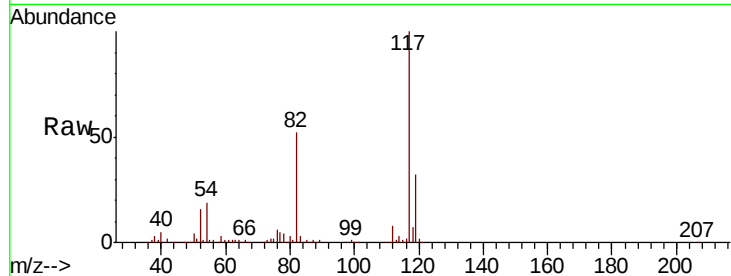
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	627346		
82	52.5		42.6	64.0
119	32.0		25.7	38.5

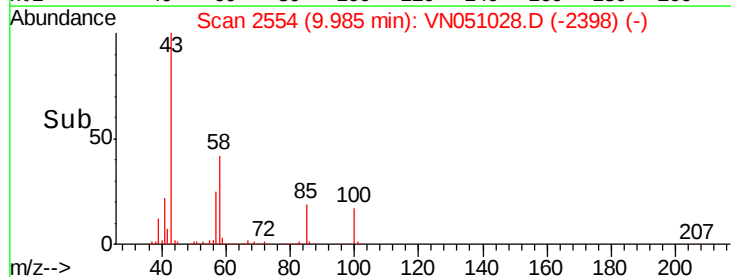
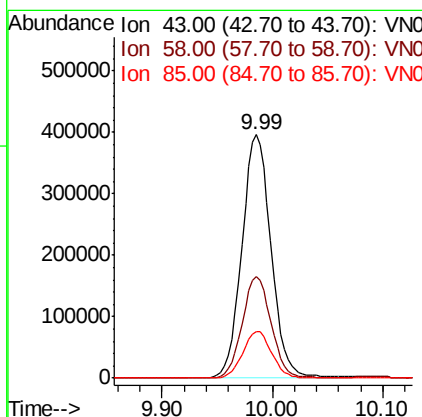
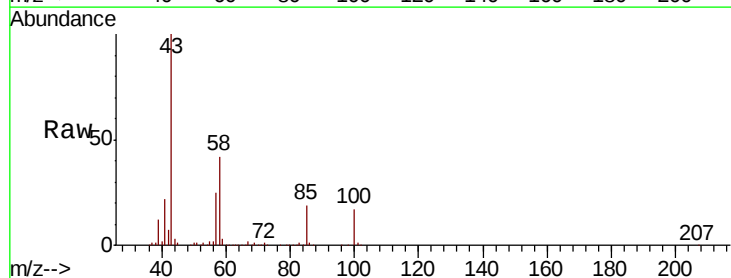
Manual Integrations
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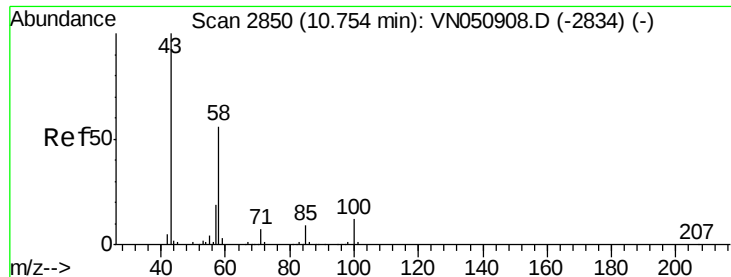
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 100.71 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	722888		
58	41.5		32.3	48.5
85	19.1		14.9	22.3





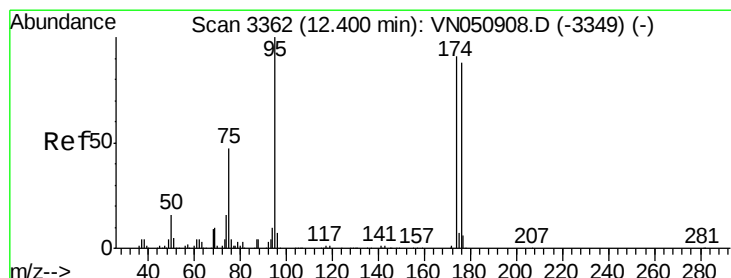
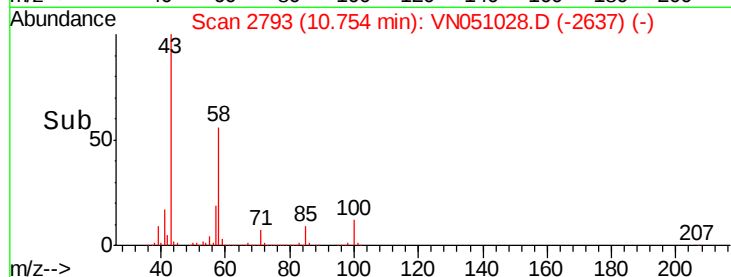
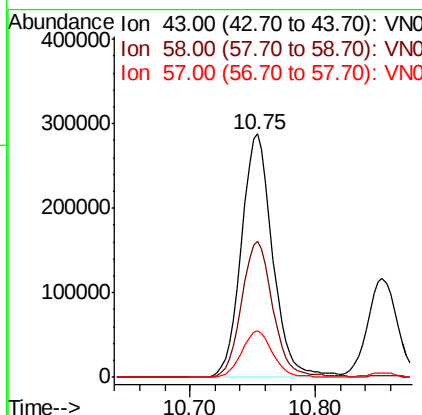
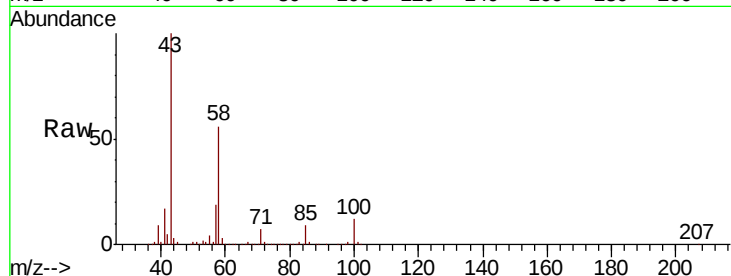
#59
2-Hexanone
Concen: 106.48 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	43	Resp	499597
Ion Ratio	Lower	Upper	
43	100		
58	56.3	45.5	68.3
57	19.2	15.2	22.8

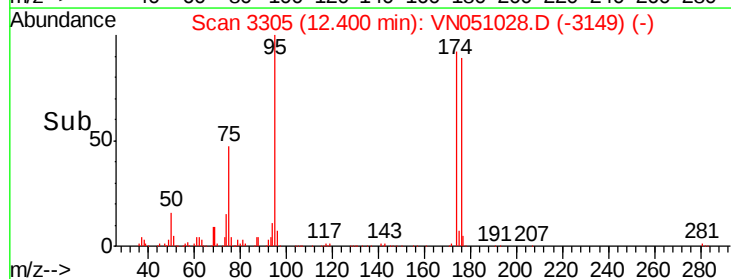
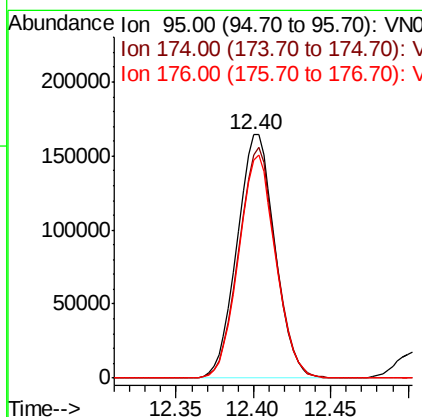
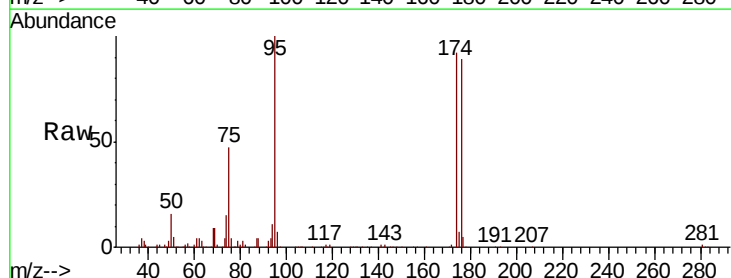
Manual Integrations
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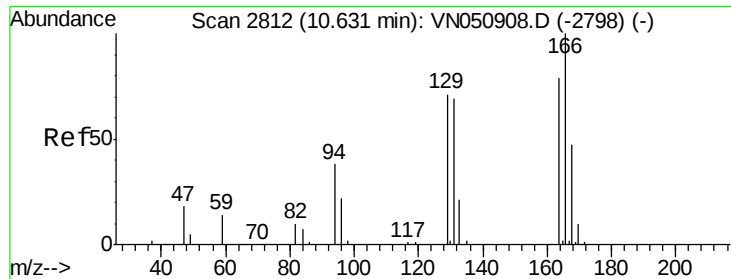
MMDadoda
9/7/2018 11:23:20 AM



#60
4-Bromofluorobenzene
Concen: 30.01 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion	95	Resp	279973
Ion Ratio	Lower	Upper	
95	100		
174	92.6	74.6	112.0
176	89.5	71.5	107.3





#61

Tetrachloroethene

Concen: 19.29 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 150782

Ion Ratio Lower Upper

164 100

166 128.8 100.6 151.0

129 90.1 71.0 106.6

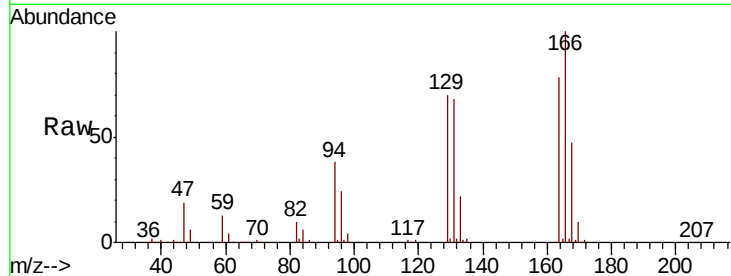
131 86.9 69.3 103.9

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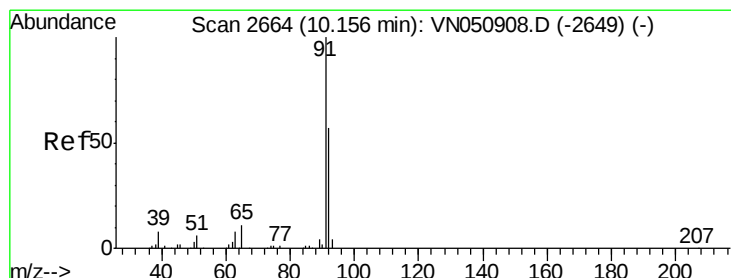
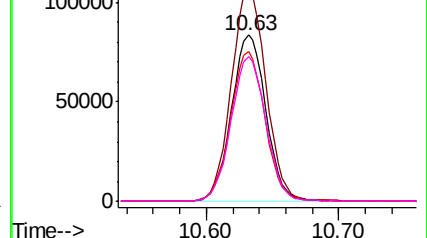
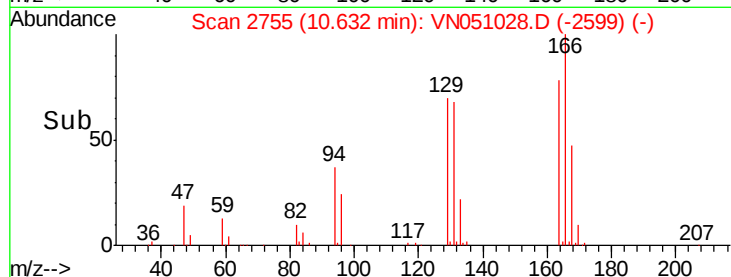


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.18 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051028.D

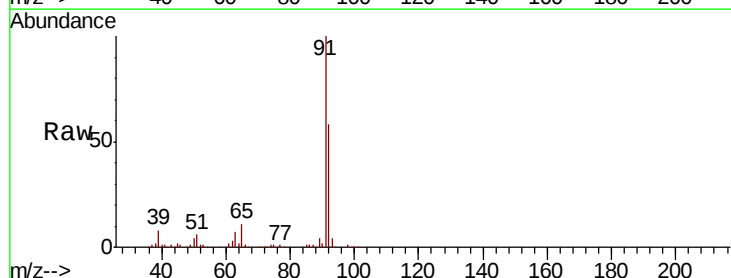
Acq: 6 Sep 2018 12:01

Tgt Ion: 91 Resp: 671404

Ion Ratio Lower Upper

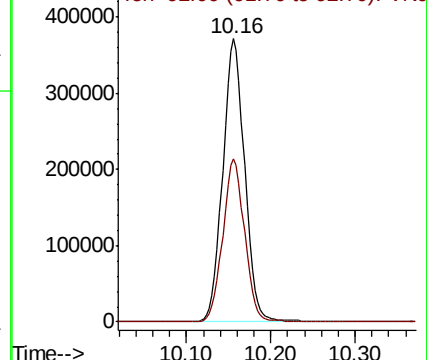
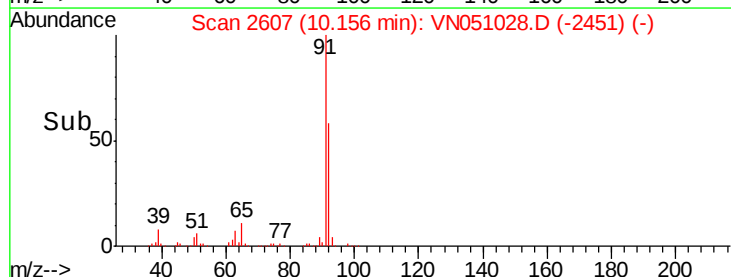
91 100

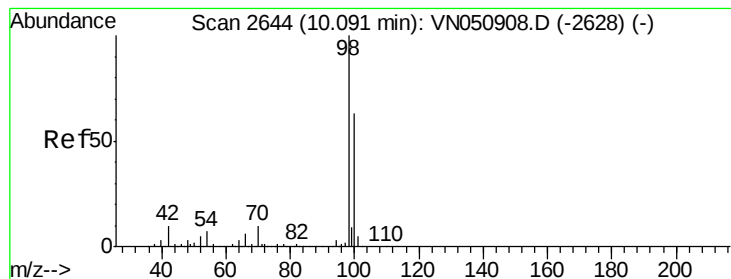
92 57.4 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.36 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 98 Resp: 888243

Ion Ratio Lower Upper

98 100

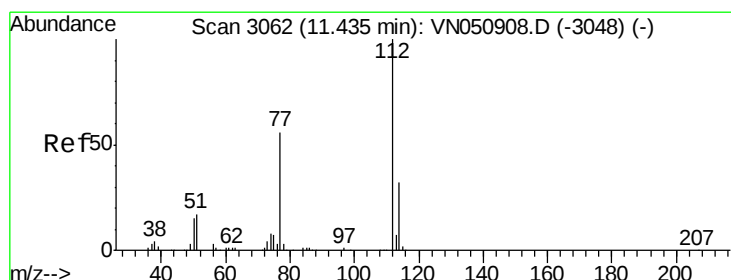
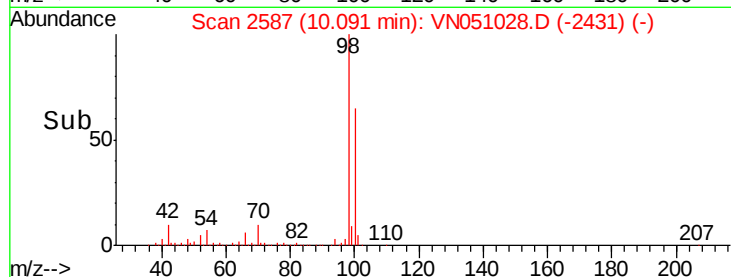
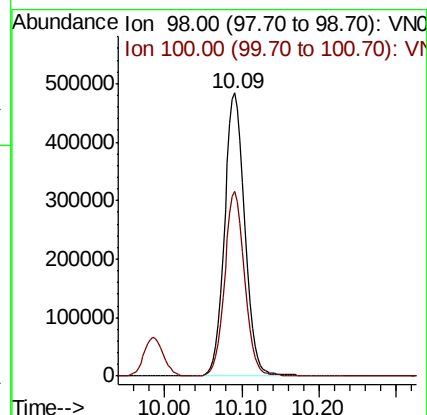
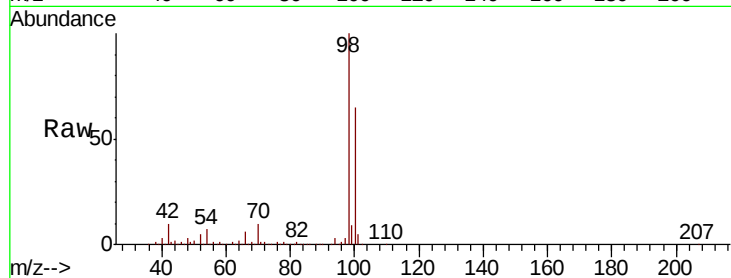
100 64.4 50.6 75.8

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#64

Chlorobenzene

Concen: 19.47 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051028.D

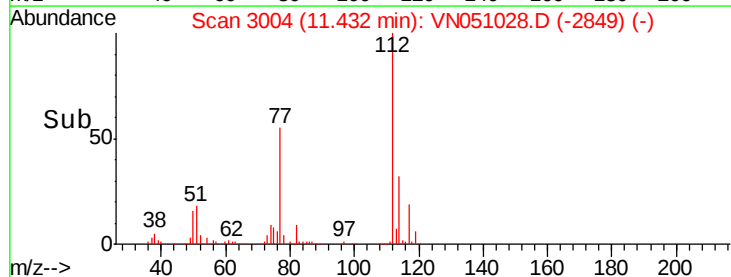
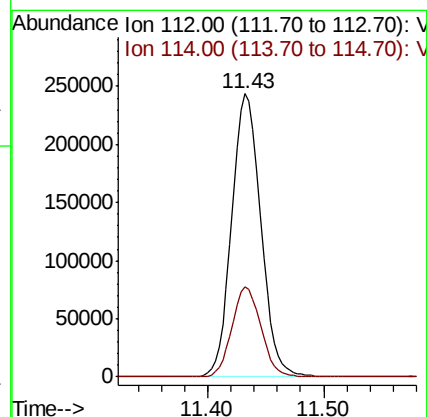
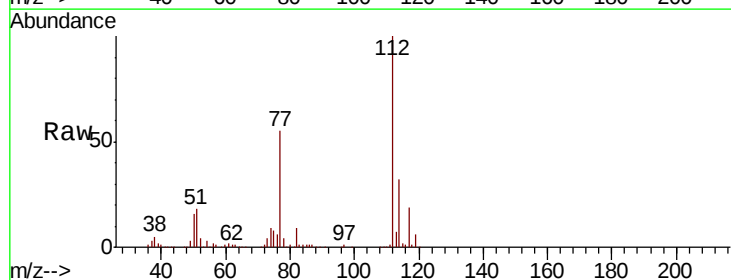
Acq: 6 Sep 2018 12:01

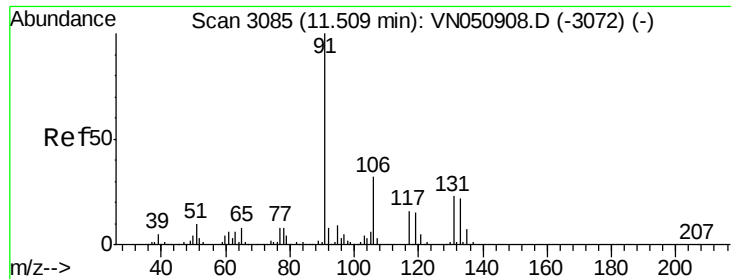
Tgt Ion: 112 Resp: 422404

Ion Ratio Lower Upper

112 100

114 31.9 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.49 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

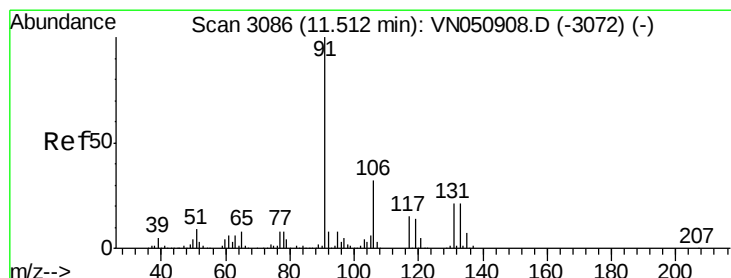
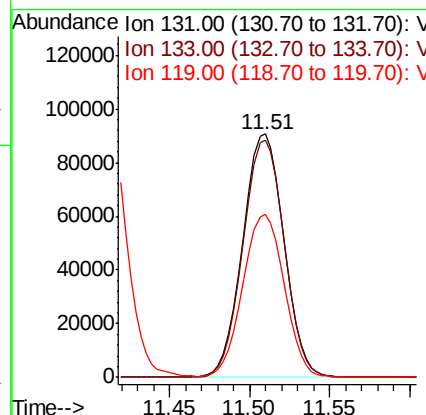
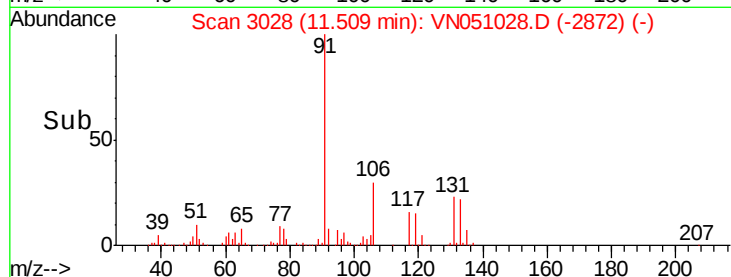
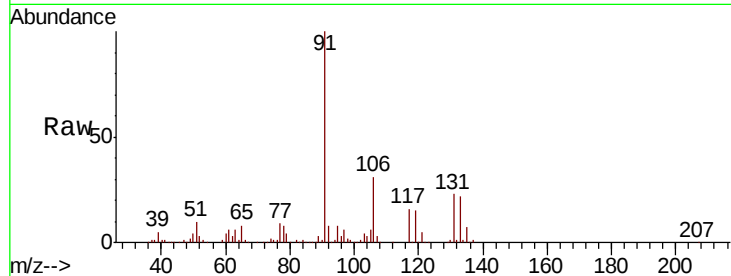
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	159632
Ion Ratio	Lower	Upper	
131	100		
133	97.4	0.0	189.4
119	67.4	0.0	132.2

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#66

Ethyl Benzene

Concen: 18.80 ug/l

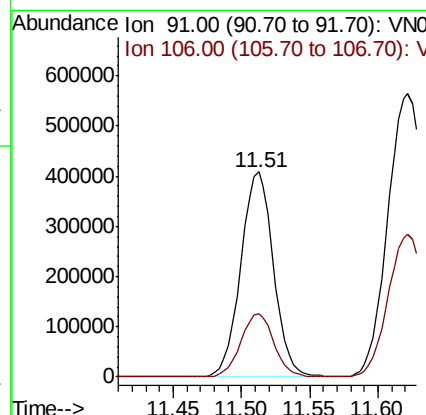
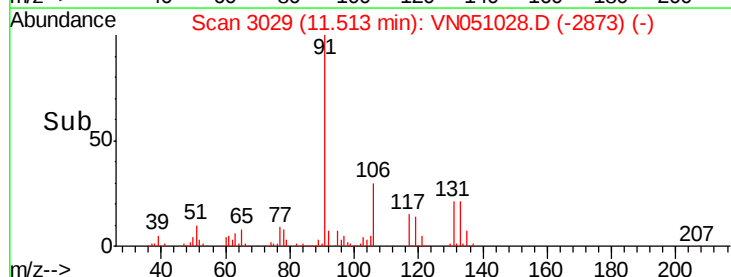
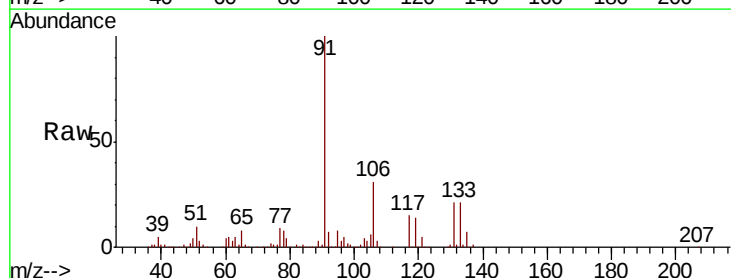
RT: 11.51 min Scan# 3029

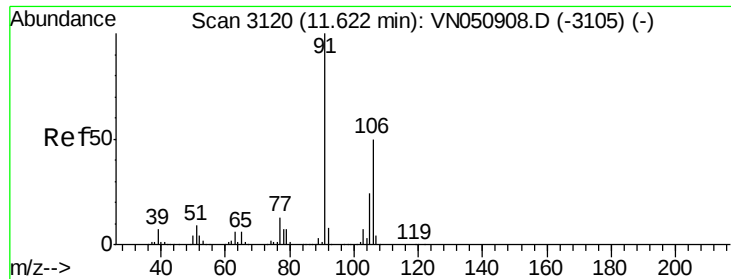
Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Tgt Ion:	91	Resp:	681651
Ion Ratio	Lower	Upper	
91	100		
106	30.8	25.7	38.5





#67

m/p-Xylenes

Concen: 39.07 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion:106 Resp: 545016

Ion Ratio Lower Upper

106 100

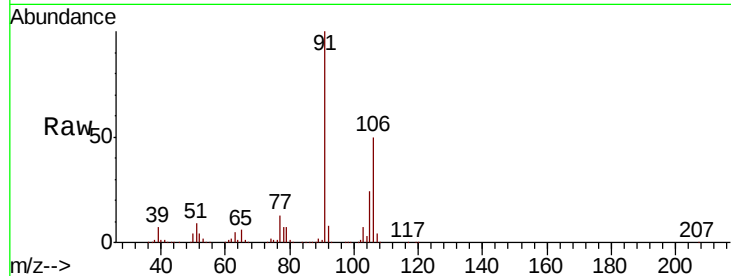
91 200.0 160.6 241.0

Manual Integrations

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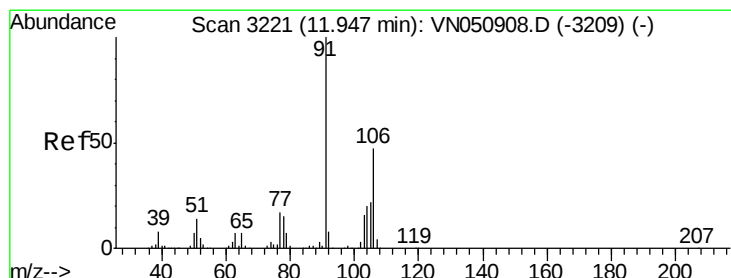
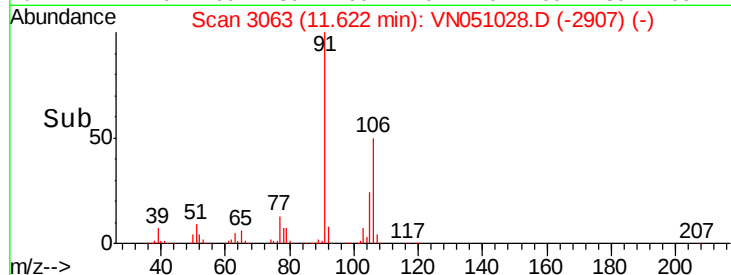
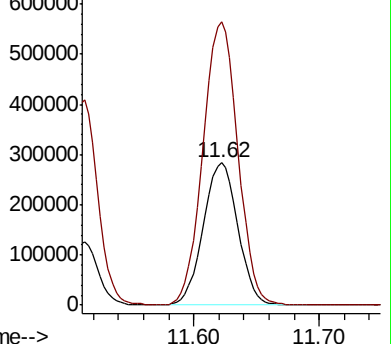
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.33 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN051028.D

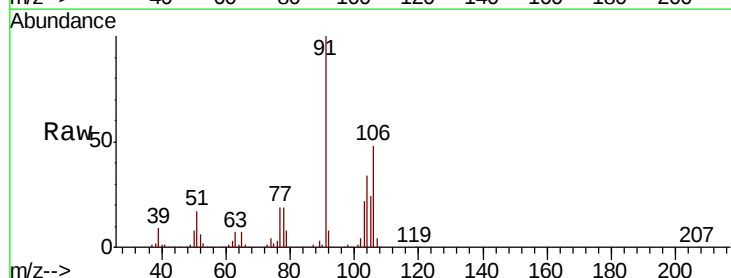
Acq: 6 Sep 2018 12:01

Tgt Ion:106 Resp: 257640

Ion Ratio Lower Upper

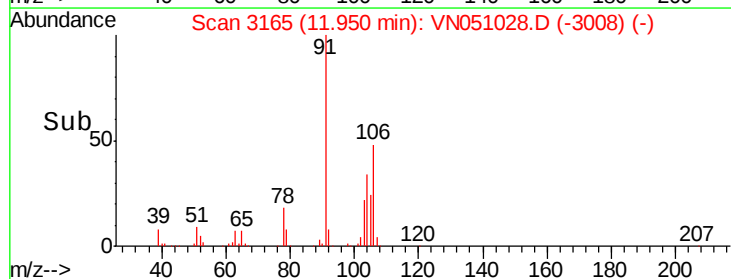
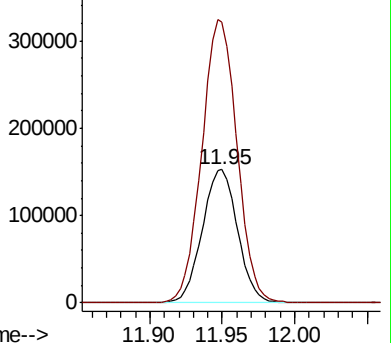
106 100

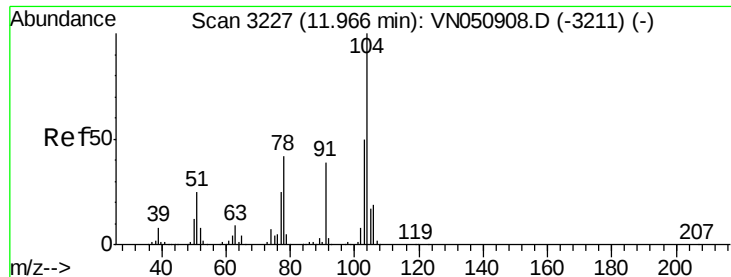
91 212.3 106.4 319.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





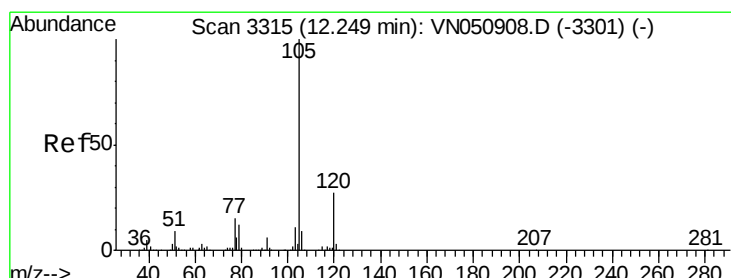
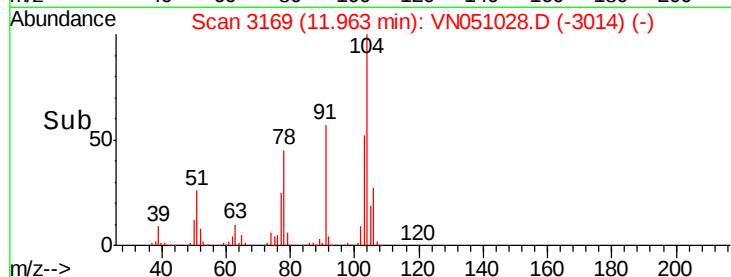
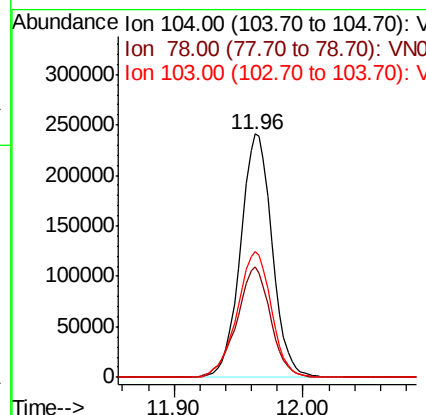
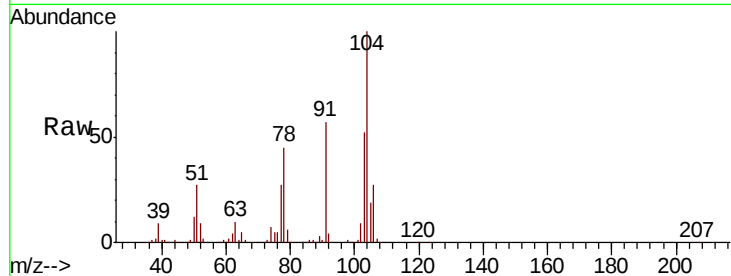
#69
Stvrene
Concen: 19.42 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.2	38.6	58.0
103	55.7	45.4	68.2

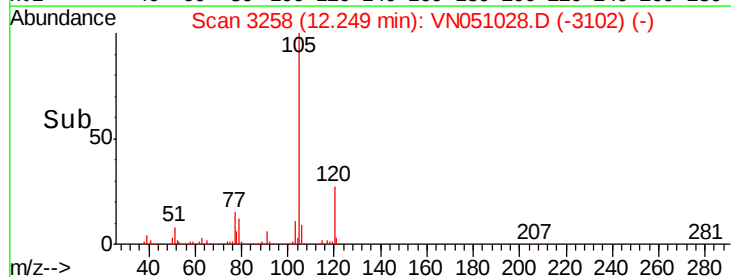
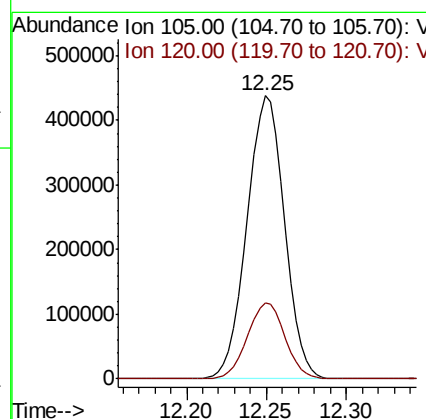
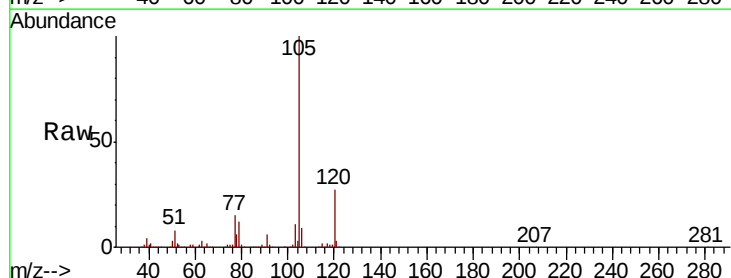
Manual Integrations
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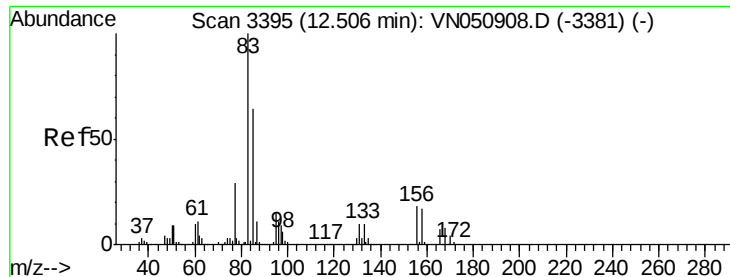
MMDadoda
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#70
Isopropylbenzene
Concen: 19.78 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	18.6	34.6





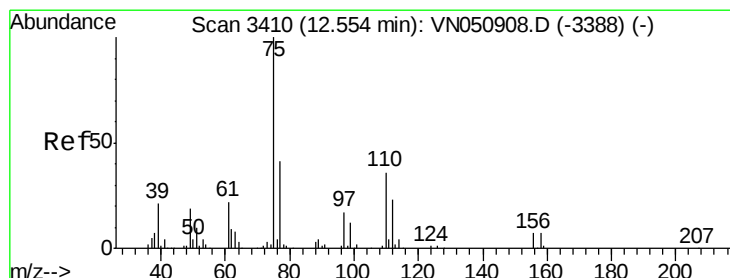
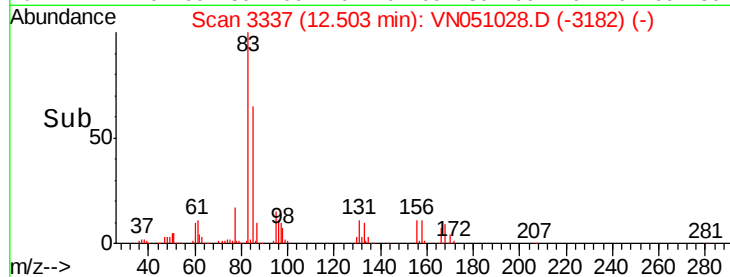
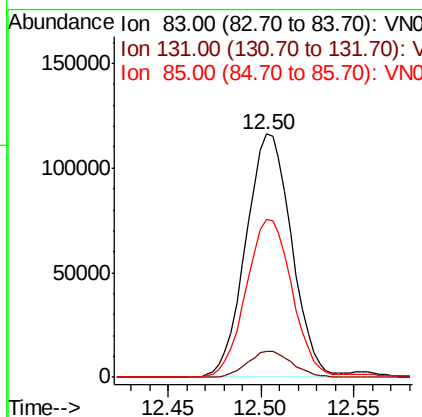
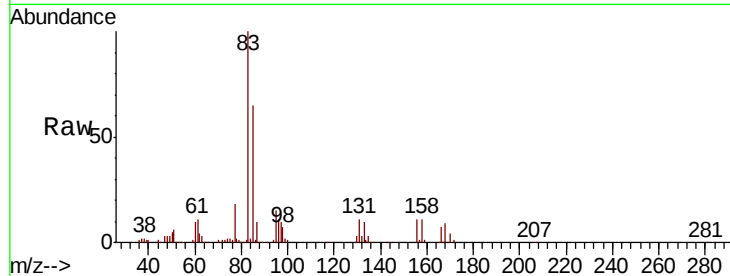
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.75 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	83	Resp	198992
Ion Ratio	100	Lower	Upper
83	100		
131	10.6	5.3	15.9
85	65.3	32.3	96.9

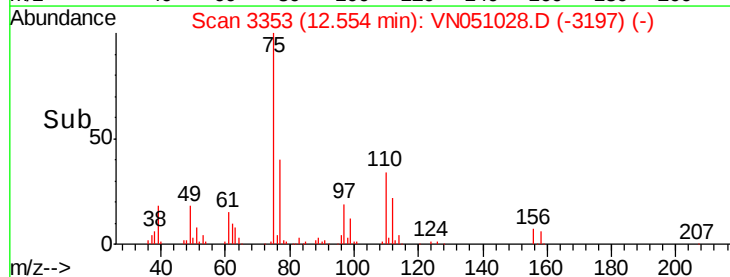
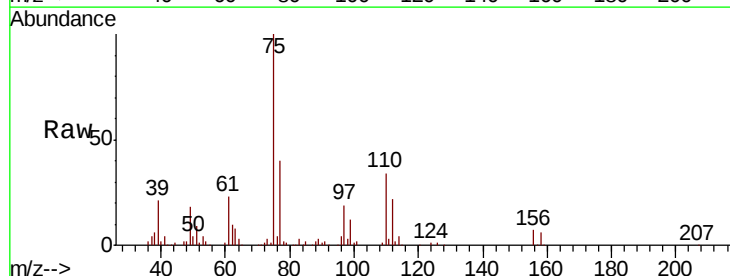
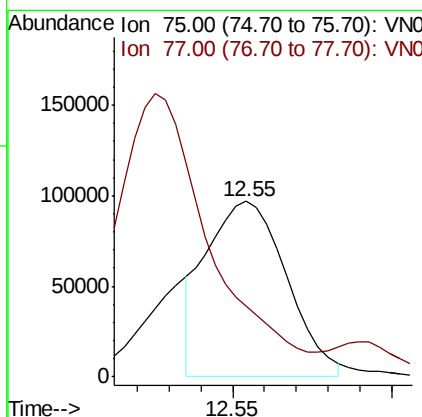
Manual Integrations
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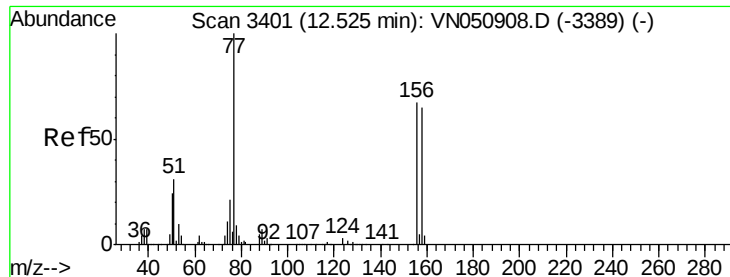
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#72
 1,2,3-Trichloropropane
 Concen: 20.70 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion	75	Resp	171277
Ion Ratio	100	Lower	Upper
75	100		
77	190.2	0.0	301.6





#73

Bromobenzene

Concen: 19.42 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

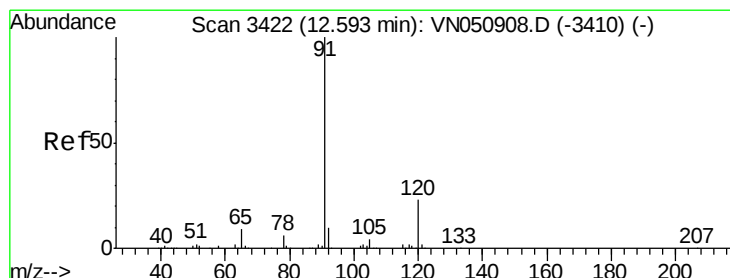
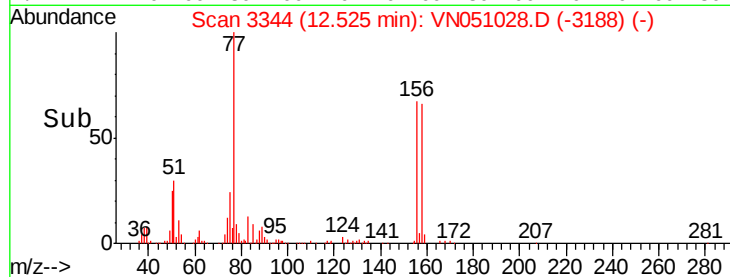
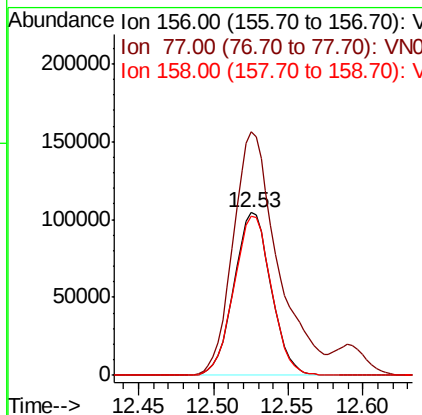
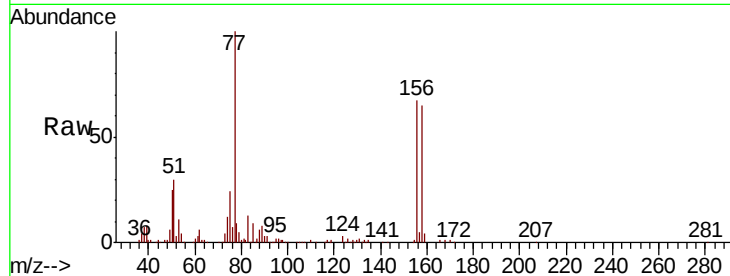
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	180988
Ion Ratio	Lower	Upper	
156	100		
77	180.0	0.0	359.4
158	98.4	0.0	194.6

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#74

n-propylbenzene

Concen: 19.52 ug/l

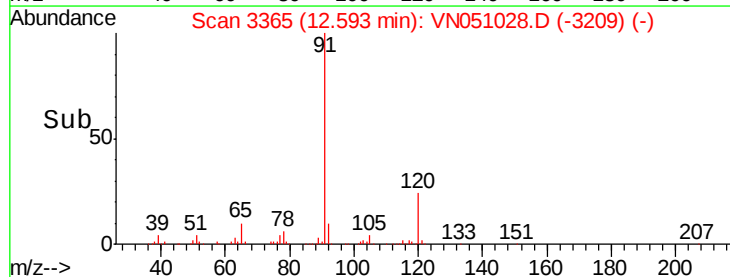
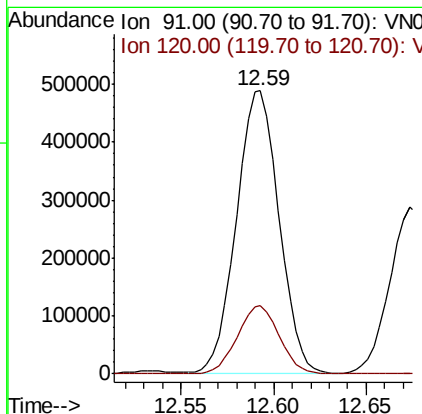
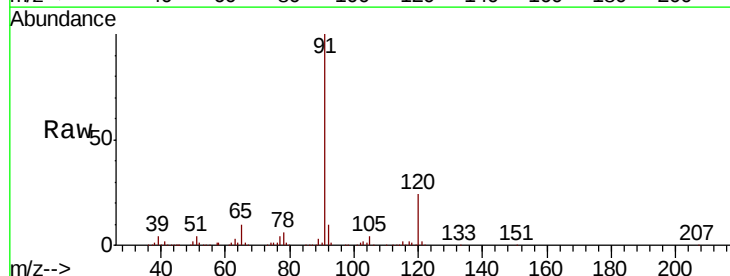
RT: 12.59 min Scan# 3365

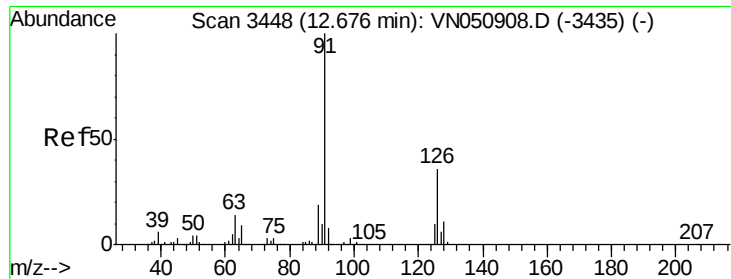
Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Tgt Ion:	91	Resp:	781685
Ion Ratio	Lower	Upper	
91	100		
120	23.6	0.0	46.0





#75

2-Chlorotoluene

Concen: 19.56 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 475704

Ion Ratio Lower Upper

91 100

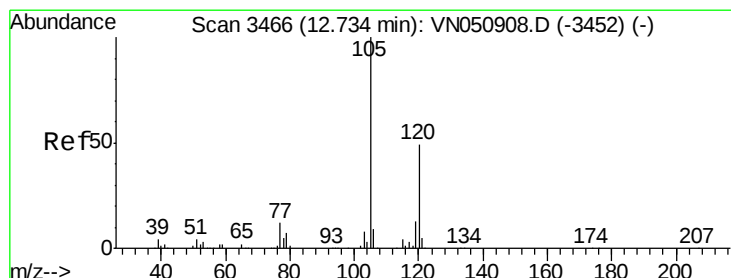
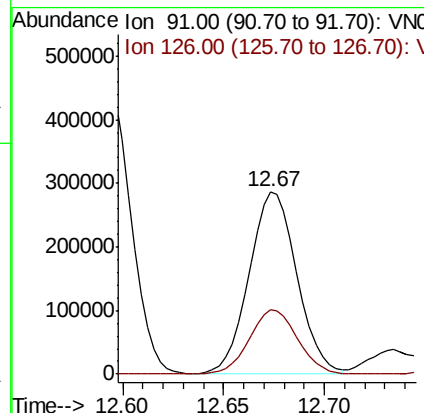
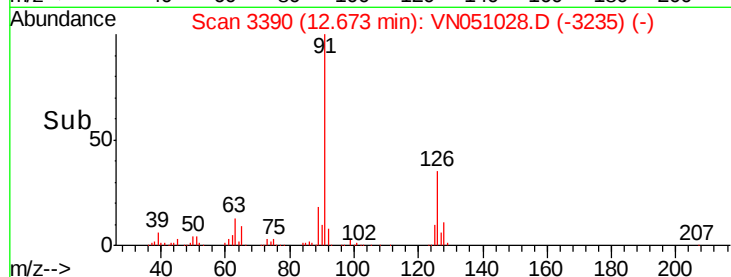
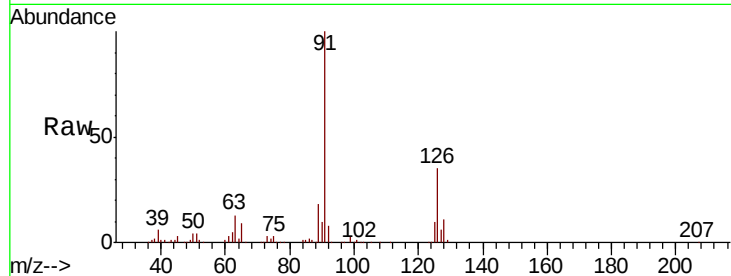
126 35.5 0.0 71.8

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#76

1,3,5-Trimethylbenzene

Concen: 19.83 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051028.D

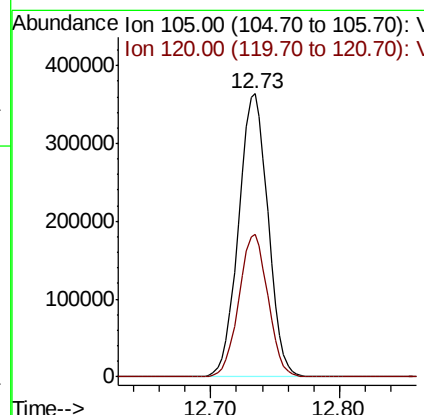
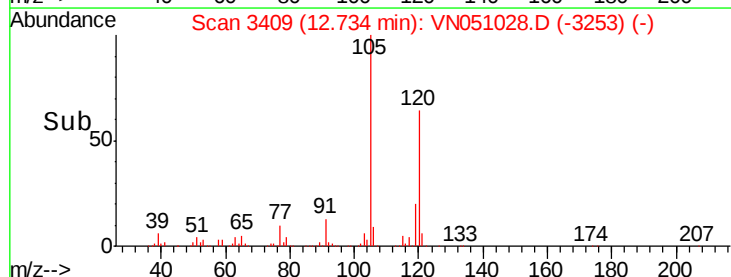
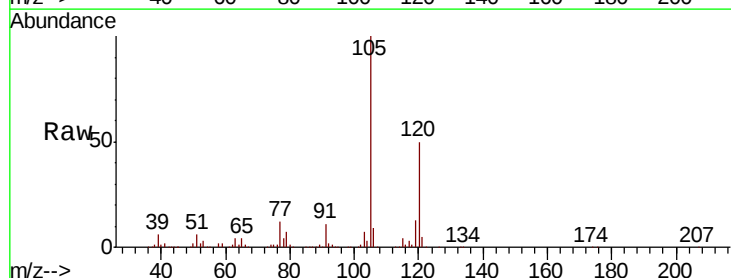
Acq: 6 Sep 2018 12:01

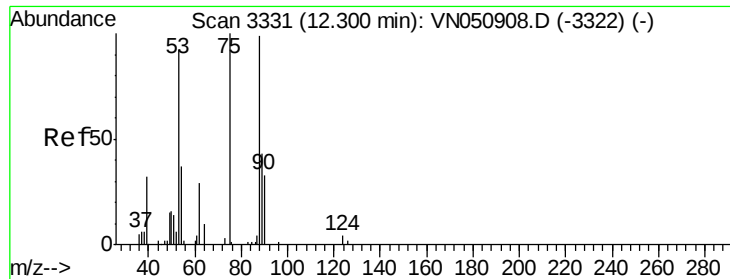
Tgt Ion: 105 Resp: 573935

Ion Ratio Lower Upper

105 100

120 50.0 0.0 99.6





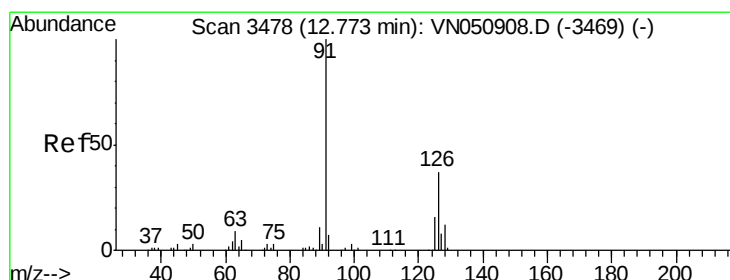
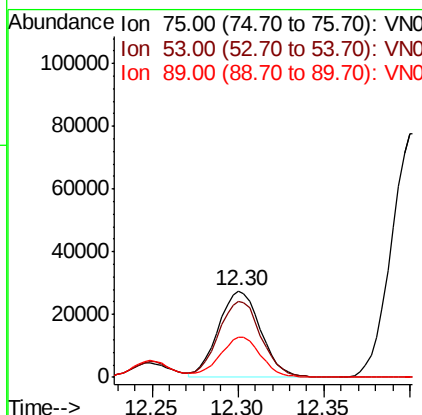
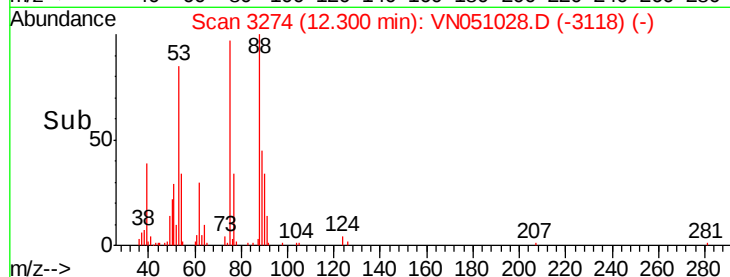
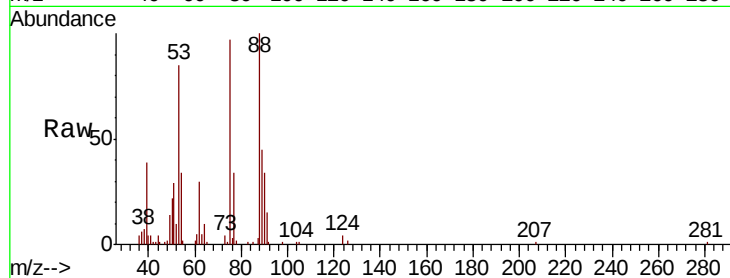
#77
t-1,4-Dichloro-2-butene
Concen: 20.13 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.8	45.5	136.4
89	46.8	21.9	65.8

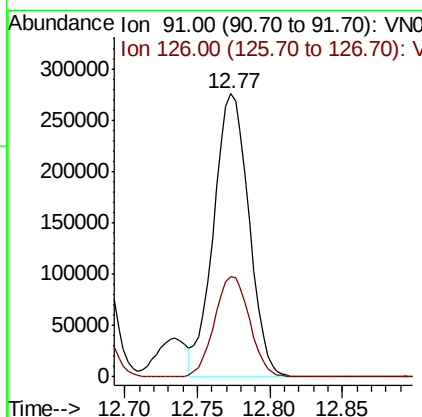
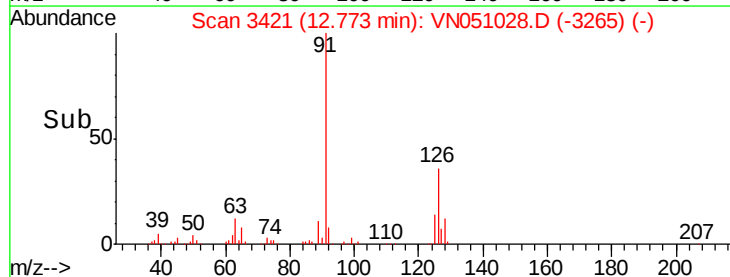
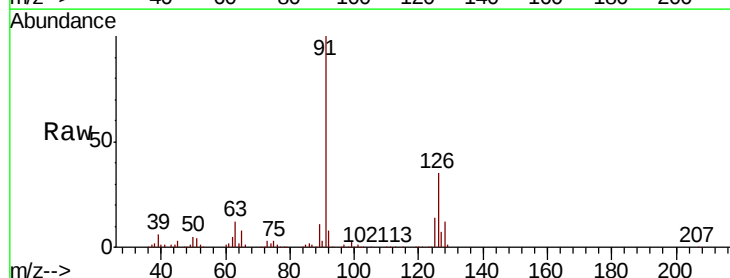
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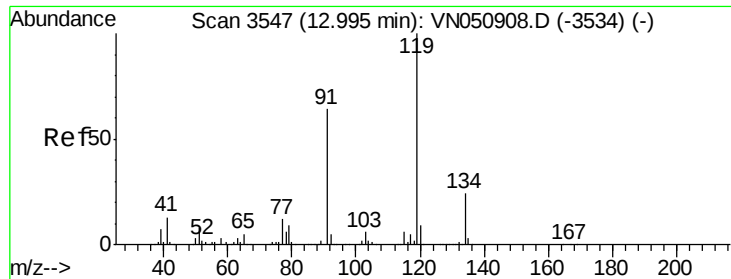
MMDadoda
9/7/2018 11:23:20 AM



#78
4-Chlorotoluene
Concen: 19.48 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	0.0	69.8





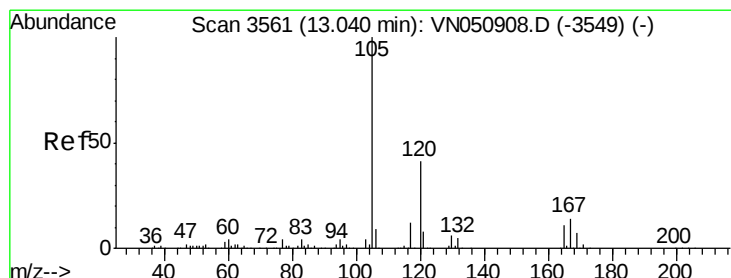
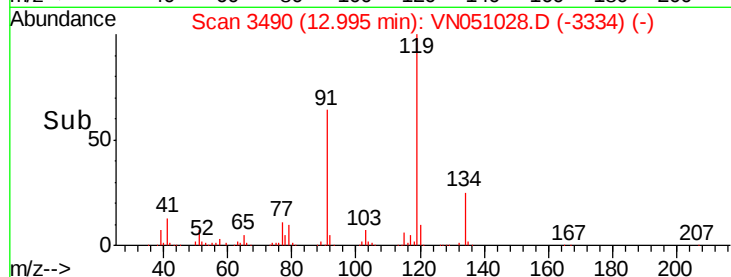
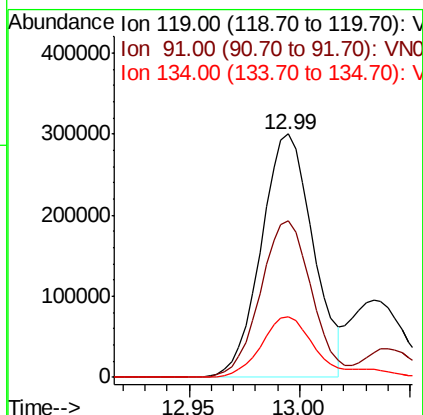
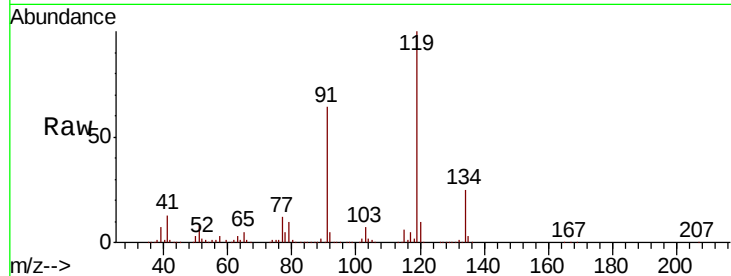
#79
tert-butylbenzene
Concen: 19.49 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	489933		
91	63.8	0.0	125.6	
134	25.1	0.0	48.4	

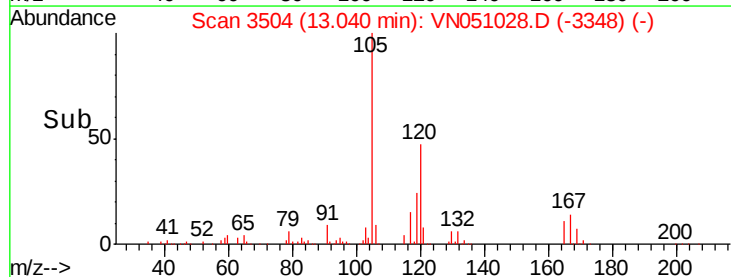
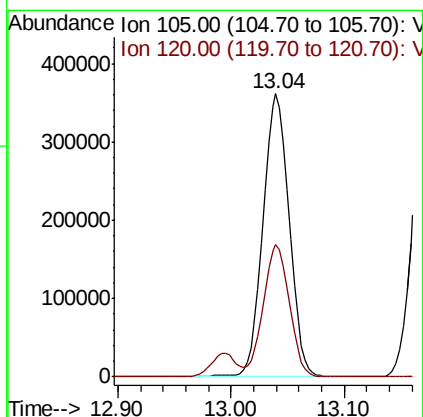
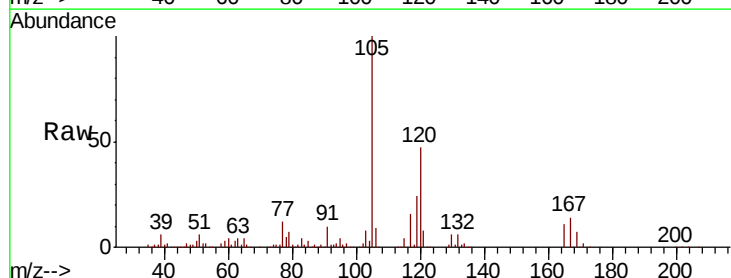
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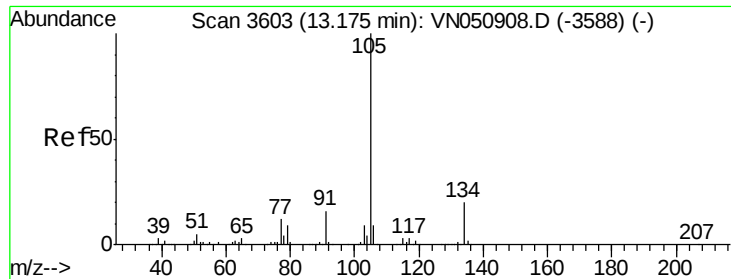
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#80
1,2,4-Trimethylbenzene
Concen: 20.15 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	581553		
120	46.6	0.0	93.6	





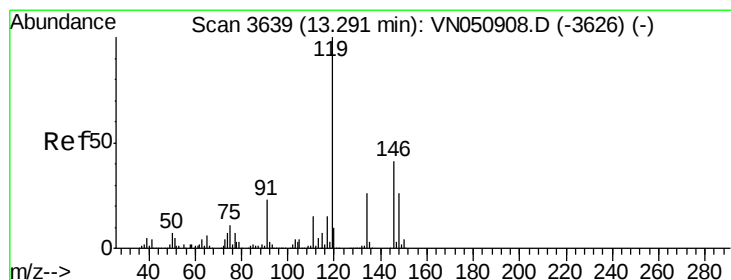
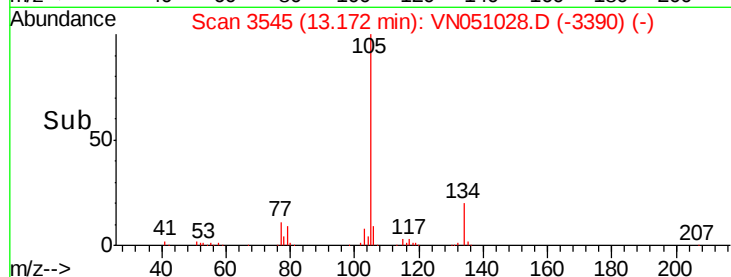
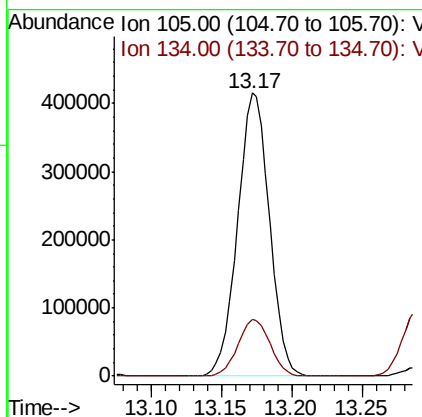
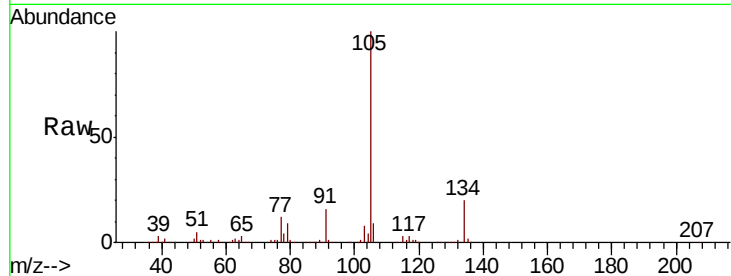
#81
 sec-Butylbenzene
 Concen: 19.94 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	0.0	40.8

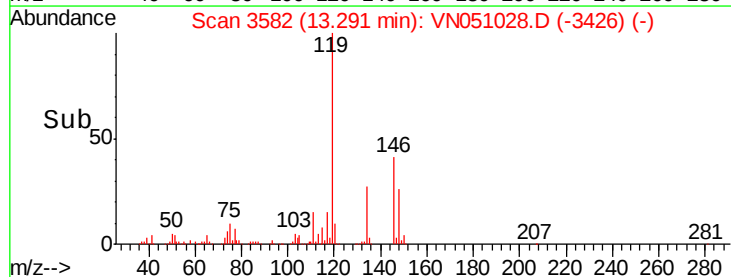
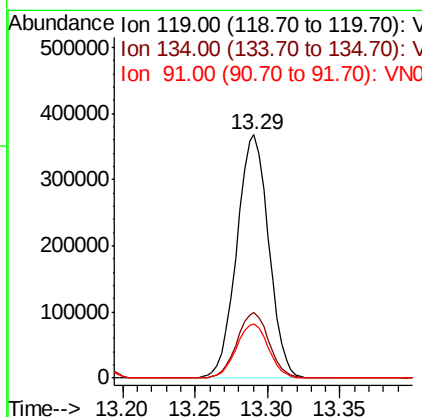
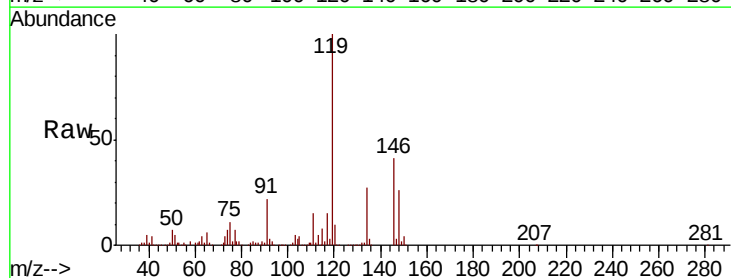
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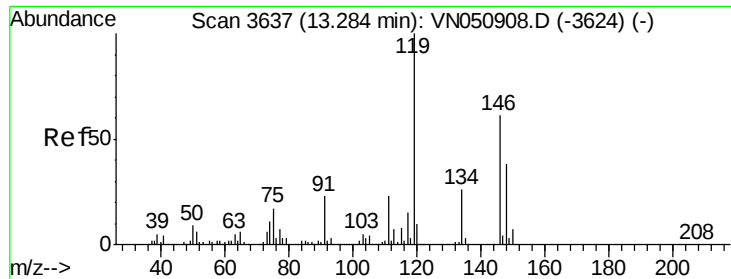
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#82
 p-Isopropyltoluene
 Concen: 19.78 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	0.0	53.2
91	22.6	0.0	46.0





#83

1,3-Dichlorobenzene

Concen: 19.45 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

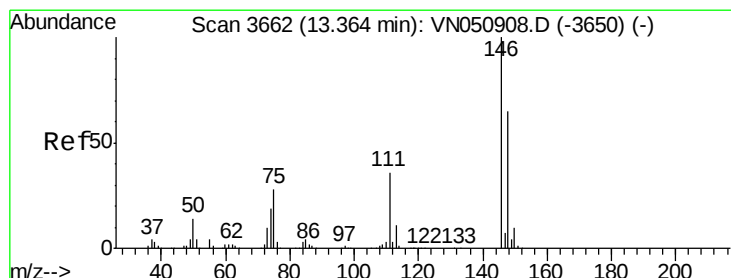
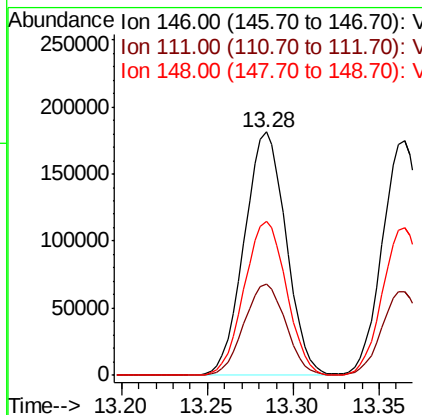
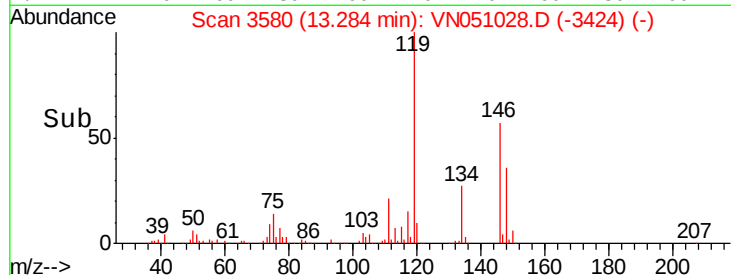
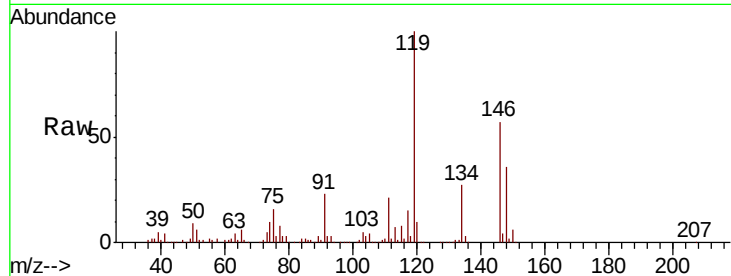
ClientSampleId :

VSTDCCC020

Tot Ion:	146	Resp:	306463
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.6	55.6
148	63.8	31.8	95.3

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#84

1,4-Dichlorobenzene

Concen: 19.37 ug/l

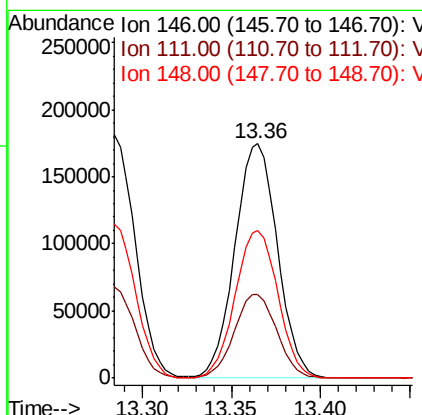
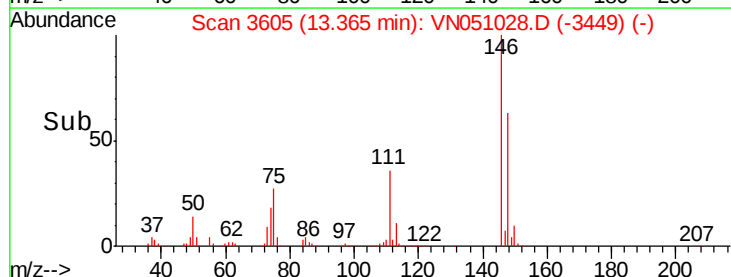
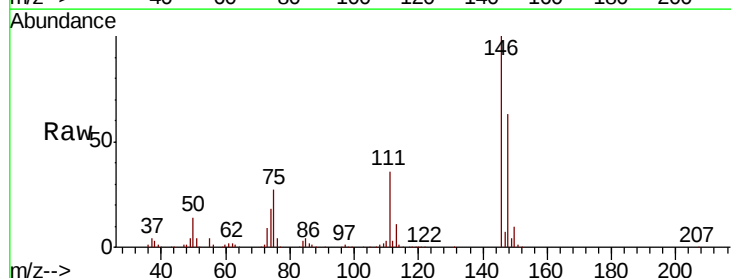
RT: 13.36 min Scan# 3605

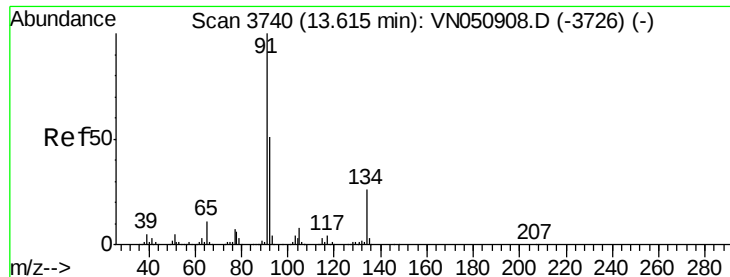
Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Tgt Ion:	146	Resp:	289066
Ion Ratio	Lower	Upper	
146	100		
111	35.7	17.7	53.1
148	63.7	31.6	94.8





#85

n-Butylbenzene

Concen: 19.28 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

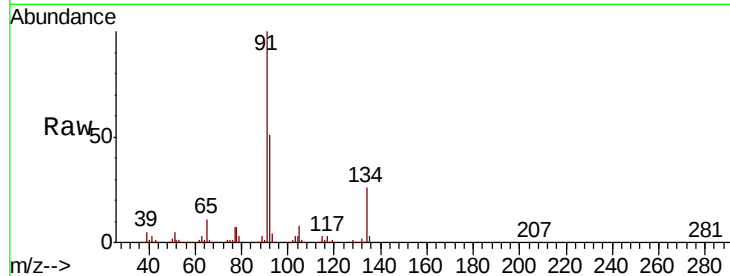
ClientSampleId :

VSTDCCC020

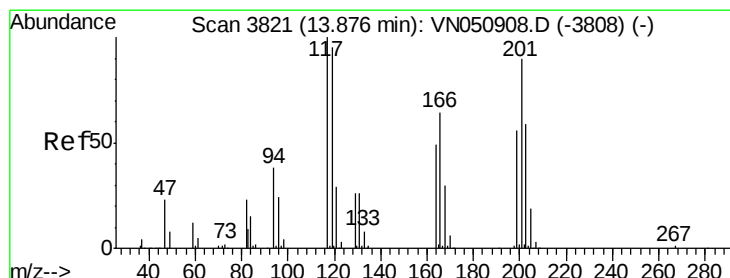
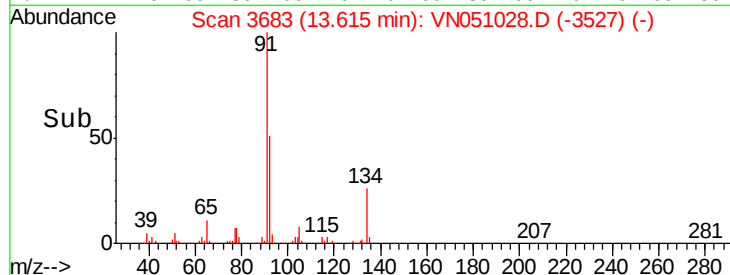
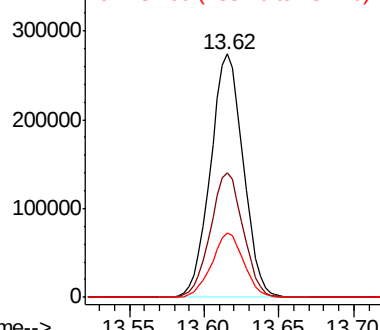
Tot Ion:	91	Resp:	417669
Ion	Ratio	Lower	Upper
91	100		
92	51.0	0.0	101.8
134	25.9	0.0	52.2

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN051028.D (-3726) (-)



#86

Hexachloroethane

Concen: 20.00 ug/l

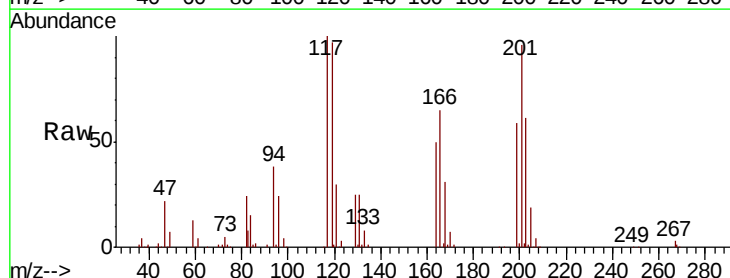
RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

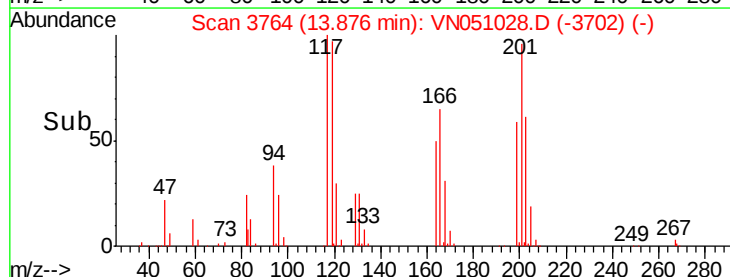
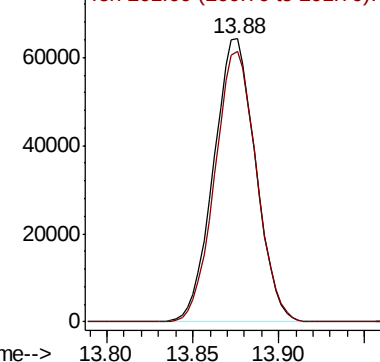
Lab File: VN051028.D

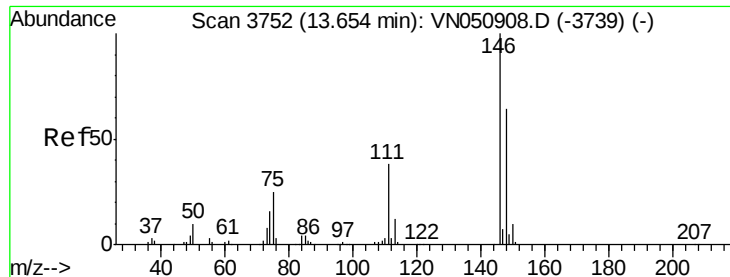
Acq: 6 Sep 2018 12:01

Tgt Ion:	117	Resp:	108987
Ion	Ratio	Lower	Upper
117	100		
201	94.3	45.8	137.4



Abundance Ion 117.00 (116.70 to 117.70): VN051028.D (-3702) (-)





#87

1,2-Dichlorobenzene

Concen: 19.61 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Instrument :

MSVOA_N

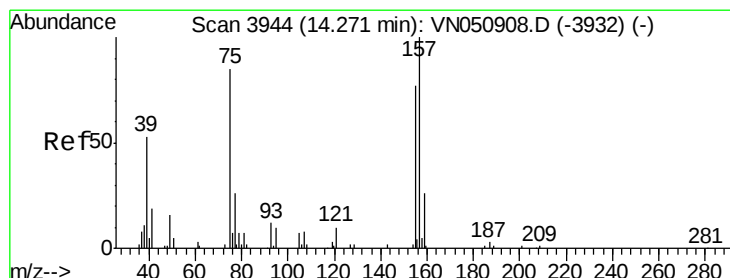
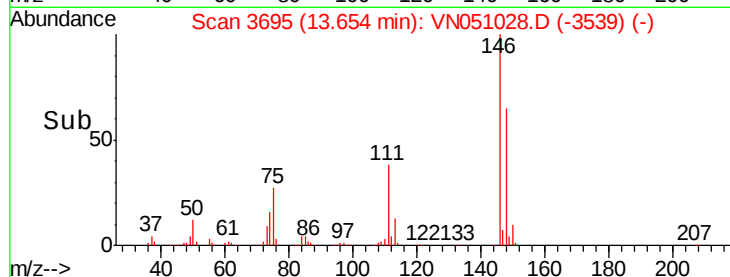
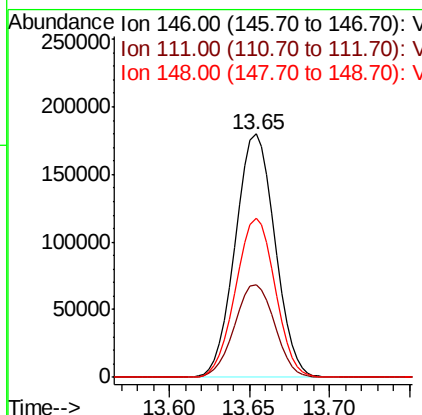
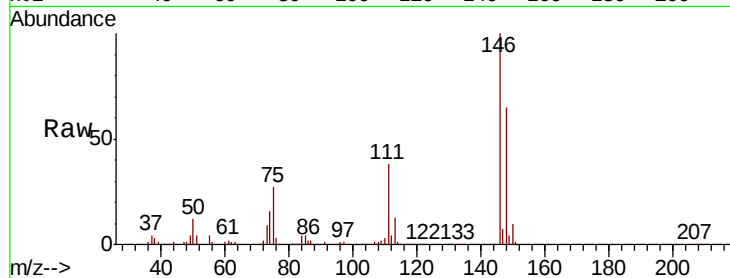
ClientSampleId :

VSTDCCC020

Tot Ion:	146	Resp:	304106
Ion Ratio		Lower	Upper
146	100		
111	38.6	19.1	57.1
148	65.1	31.9	95.9

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#88

1,2-Dibromo-3-Chloropropane

Concen: 20.67 ug/l

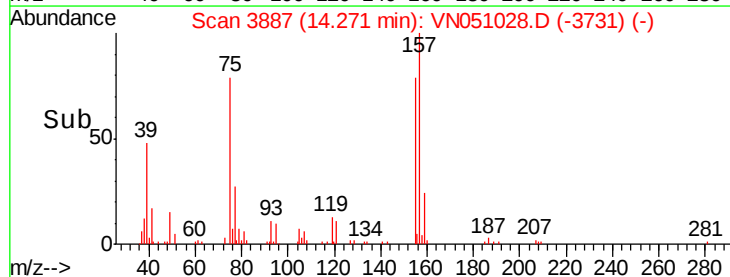
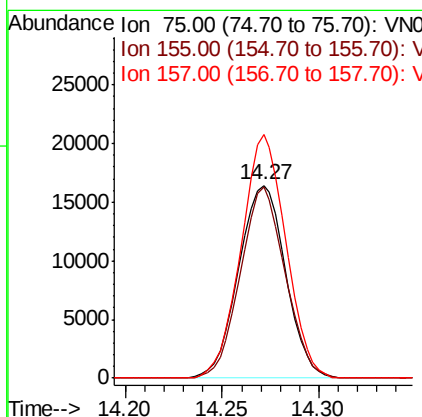
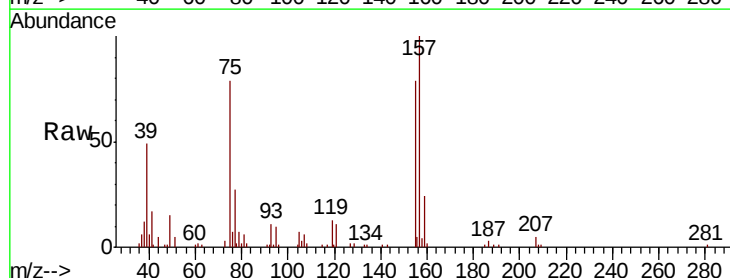
RT: 14.27 min Scan# 3887

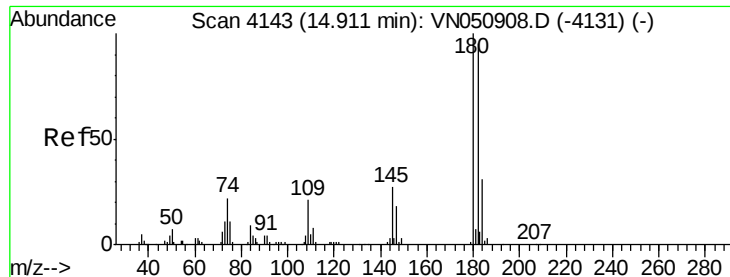
Delta R.T. 0.00 min

Lab File: VN051028.D

Acq: 6 Sep 2018 12:01

Tgt Ion:	75	Resp:	27735
Ion Ratio		Lower	Upper
75	100		
155	94.4	71.8	107.6
157	120.2	91.1	136.7





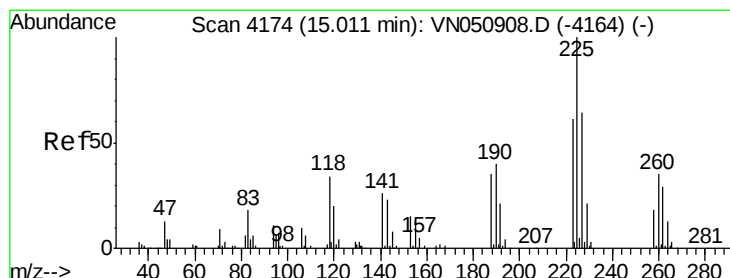
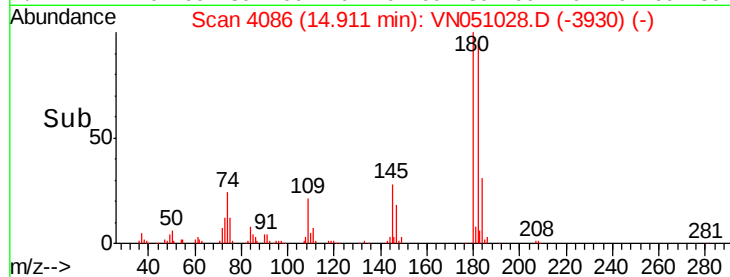
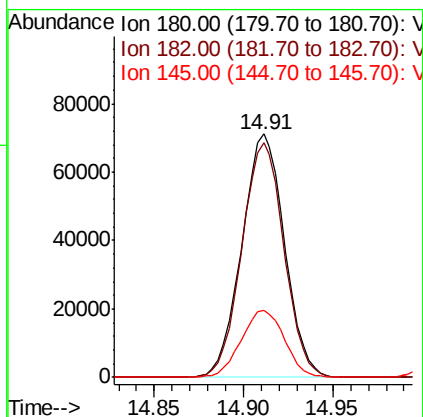
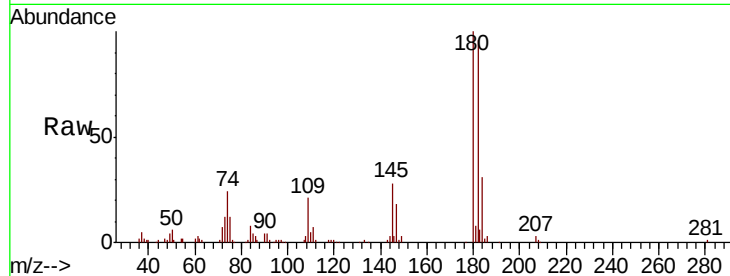
#89
 1,2,4-Trichlorobenzene
 Concen: 17.18 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.4
145	27.8	22.2	33.4

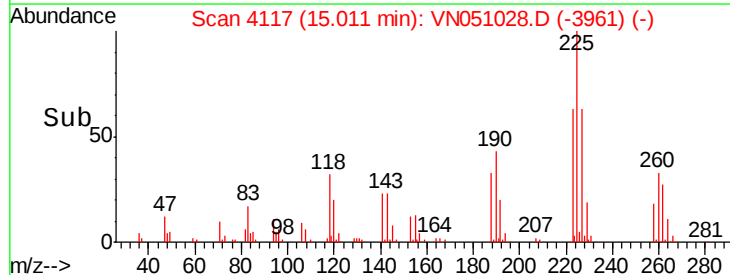
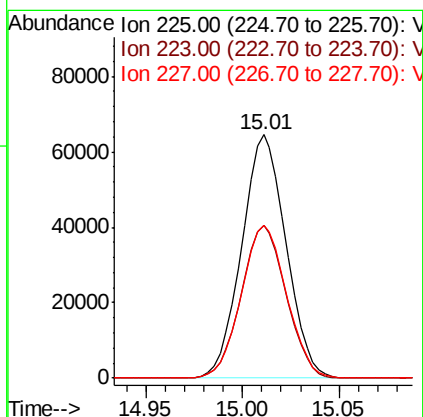
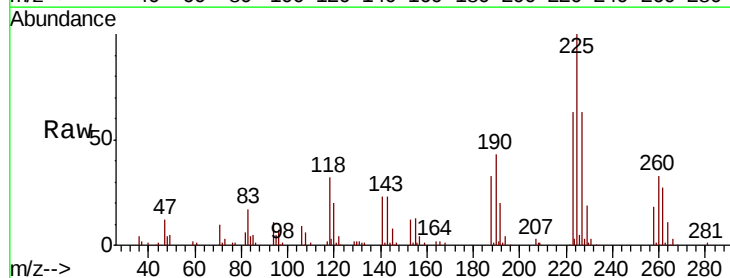
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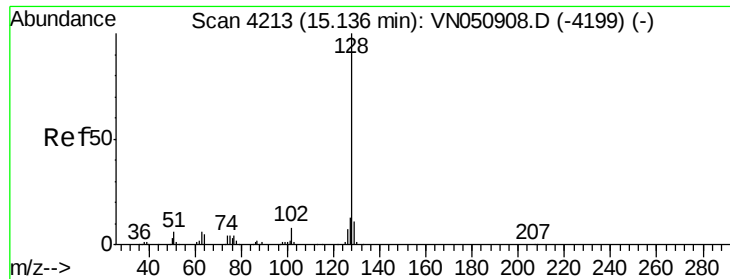
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#90
 Hexachlorobutadiene
 Concen: 21.90 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051028.D
 Acq: 6 Sep 2018 12:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	0.0	127.8
227	64.1	0.0	128.4





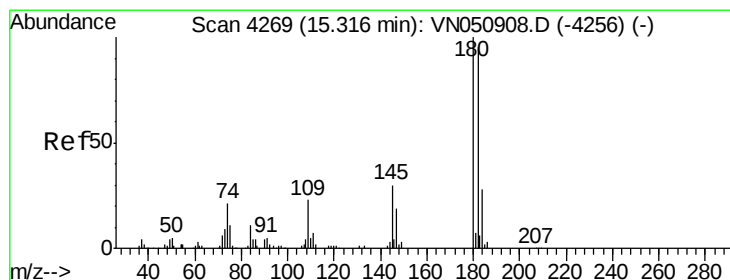
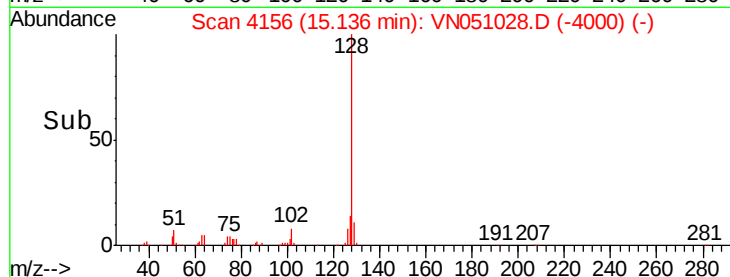
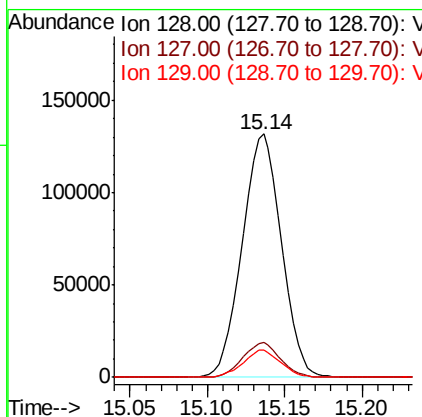
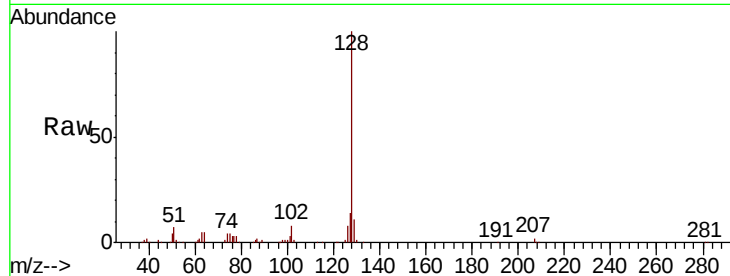
#91
Naphthalene
Concen: 19.34 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	16.0
129	10.7	8.7	13.1

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#92
1,2,3-Trichlorobenzene
Concen: 18.61 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051028.D
Acq: 6 Sep 2018 12:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	0.0	192.8
145	29.4	0.0	60.0

