

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
 Data File : VN051289.D
 Acq On : 18 Sep 2018 11:44
 Operator : MD\SY
 Sample : VN0918WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 2:57:06 PM

Quant Time: Sep 18 14:36:16 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	7.19	128	103576	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	555850	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	488267	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	186434	28.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.03%
60) 4-Bromofluorobenzene	12.40	95	208443	28.71	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.70%
63) Toluene-d8	10.09	98	693201	30.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.47%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	98609	15.330	ug/l 100
3) Chloromethane	2.06	50	131610	17.328	ug/l 99
4) Vinyl Chloride	2.18	62	131471	17.518	ug/l 100
5) Bromomethane	2.57	94	76060	16.627	ug/l 98
6) Chloroethane	2.71	64	77015	17.398	ug/l 98
7) Trichlorofluoromethane	3.02	101	181461	18.239	ug/l 100
8) Diethyl Ether	3.41	74	57161	16.296	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	111185	18.046	ug/l 97
10) 1,1-Dichloroethene	3.74	96	98712	17.638	ug/l 98
11) Methyl Iodide	3.95	142	87287	16.716	ug/l 98
12) Methyl Acetate	4.32	43	73589	11.371	ug/l 97
13) Acrolein	3.61	56	36812	256.883	ug/l 97
14) Acrylonitrile	4.99	53	149770	68.448	ug/l 98
15) Acetone	3.82	58	38799	69.294	ug/l 95
16) Carbon Disulfide	4.05	76	300047	17.830	ug/l 99
17) Allyl chloride	4.32	41	144004	16.353	ug/l 98
18) Methylene Chloride	4.55	84	113426	17.267	ug/l 95
19) trans-1,2-Dichloroethene	5.04	96	106470	17.855	ug/l 97
20) Diisopropyl ether	5.95	45	307698	16.833	ug/l 98
21) 1,1-Dichloroethane	5.85	63	194678	17.370	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	118288	17.561	ug/l 99
23) tert-Butyl Alcohol	4.78	59	28275m	60.762	ug/l
24) Methyl tert-Butyl Ether	5.04	73	240701	15.725	ug/l 99
25) Chloroform	7.37	83	199827	17.864	ug/l 97
26) Cyclohexane	7.65	56	160418	17.276	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	148540	17.850	ug/l 99
30) 2-Butanone	6.84	43	155789	60.855	ug/l 98
31) 2,2-Dichloropropane	6.82	77	153588	18.968	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	169281	17.939	ug/l 99
33) Carbon Tetrachloride	7.77	117	155684	18.320	ug/l 94
34) Benzene	8.04	78	451527	17.540	ug/l 100
35) Methacrylonitrile	7.17	41	33125	11.810	ug/l 94
36) 1,2-Dichloroethane	8.12	62	134294	17.249	ug/l 99
37) Trichloroethene	8.83	130	122018	18.134	ug/l 98
38) Methylcyclohexane	9.08	83	161644	18.086	ug/l 98
39) 1,2-Dichloropropane	9.12	63	116380	17.309	ug/l 98
40) Dibromomethane	9.21	93	69661	17.200	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	148813	17.430	ug/l	98
42) Vinyl Acetate	5.90	43	918397	77.886	ug/l	98
43) Ethyl Acetate	6.93	43	73197	13.957	ug/l	94
44) Isopropyl Acetate	8.16	43	130019	14.050	ug/l	93
45) 1,4-Dioxane	9.20	88	18035	262.356	ug/l	97
46) Methyl methacrylate	9.20	41	60744	13.106	ug/l	98
47) n-amyl Acetate	12.07	43	85606	11.506	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	136110	16.264	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	165255	17.189	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	99426	16.895	ug/l	98
51) Ethyl methacrylate	10.43	69	103187	14.331	ug/l	98
52) 1,3-Dichloropropane	10.71	76	160968	16.514	ug/l	100
53) Dibromochloromethane	10.90	129	114530	17.116	ug/l	99
54) 1,2-Dibromoethane	11.00	107	94743	16.282	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	229050	76.455	ug/l	99
56) Bromoform	12.13	173	76209	16.013	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	352005	63.009	ug/l	98
59) 2-Hexanone	10.75	43	211446	57.905	ug/l	100
61) Tetrachloroethene	10.63	164	114977	18.897	ug/l	98
62) Toluene	10.16	91	484823	17.798	ug/l	100
64) Chlorobenzene	11.43	112	304231	18.021	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	117335	18.408	ug/l	98
66) Ethyl Benzene	11.51	91	490504	17.384	ug/l	99
67) m/p-Xylenes	11.62	106	396150	36.490	ug/l	98
68) o-Xylene	11.95	106	188526	18.174	ug/l	97
69) Styrene	11.96	104	284705	17.262	ug/l	99
70) Isopropylbenzene	12.25	105	494916	17.955	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	114637	15.360	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	88300m	13.714	ug/l	
73) Bromobenzene	12.53	156	125863	17.355	ug/l	94
74) n-propylbenzene	12.59	91	535853	17.195	ug/l	98
75) 2-Chlorotoluene	12.67	91	333185	17.599	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	405728	18.012	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	23699	12.920	ug/l	98
78) 4-Chlorotoluene	12.77	91	314639	16.878	ug/l	98
79) tert-butylbenzene	12.99	119	351508	17.968	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	396415	17.651	ug/l	99
81) sec-Butylbenzene	13.17	105	453172	17.705	ug/l	99
82) p-Isopropyltoluene	13.29	119	391197	17.706	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	203199	16.572	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	188894	16.259	ug/l	99
85) n-Butylbenzene	13.62	91	259977	15.422	ug/l	99
86) Hexachloroethane	13.87	117	78216	18.444	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	197524	16.366	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13486	12.917	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	60266	11.217	ug/l	98
90) Hexachlorobutadiene	15.01	225	70149	19.217	ug/l	97
91) Naphthalene	15.13	128	98627	14.450	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	65539	12.156	ug/l	99

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QLast Update : Wed Aug 29 01:38:44 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

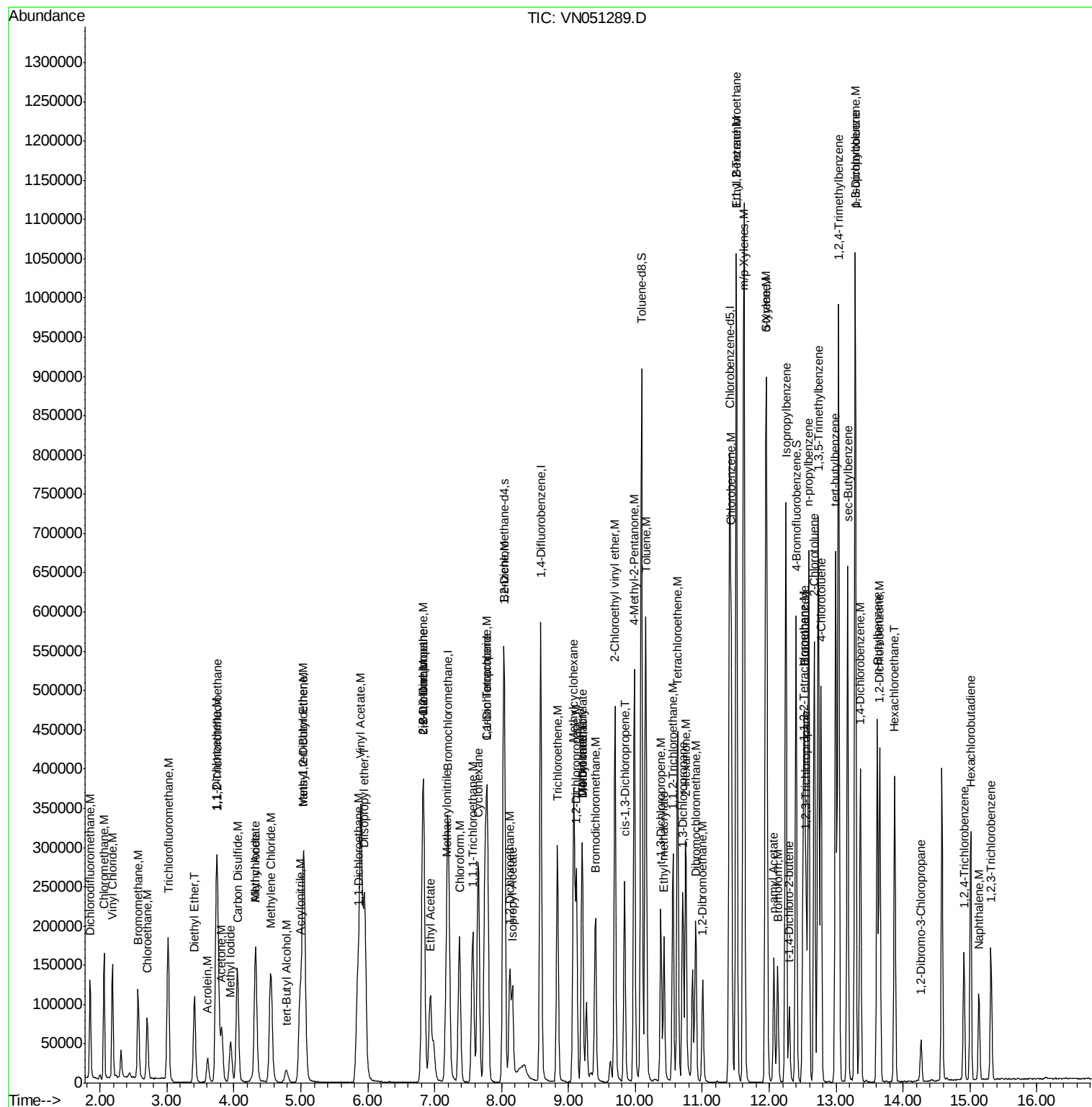
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 Data File : VN051289.D
 Acq On : 18 Sep 2018 11:44
 Operator : MD\SY
 Sample : VN0918WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VN0918WBS01

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Instrument :

MSVOA_N

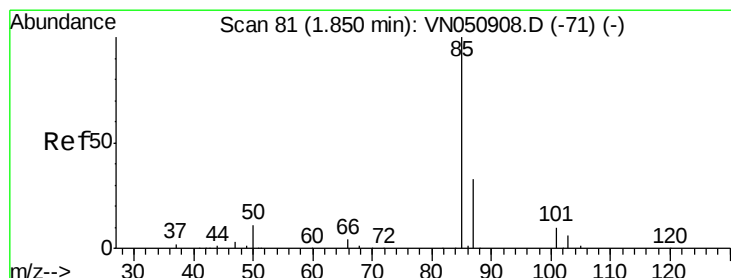
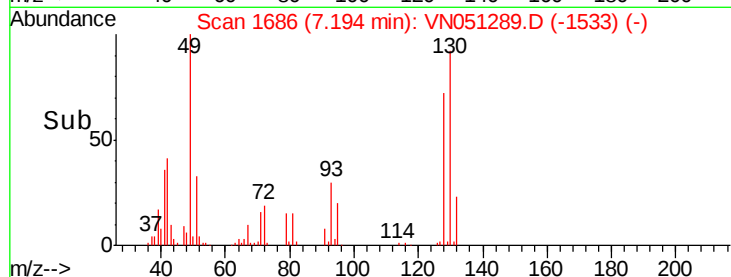
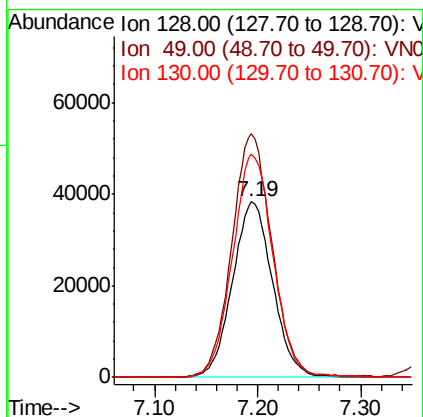
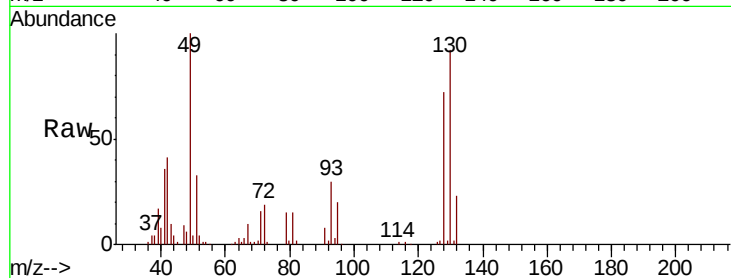
ClientSampleId :

VN0918WBS01

Tgt Ion:	128	Resp:	103576
Ion Ratio	Lower	Upper	
128	100		
49	139.1	0.0	380.3
130	128.0	0.0	325.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 15.330 ug/l

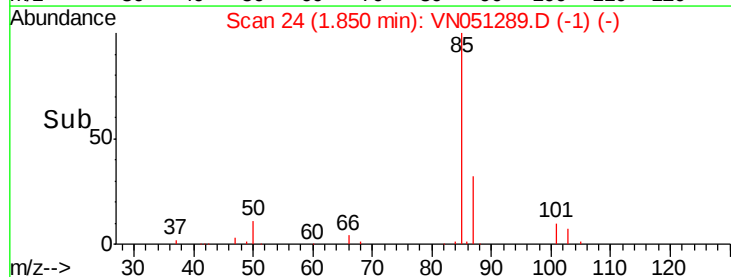
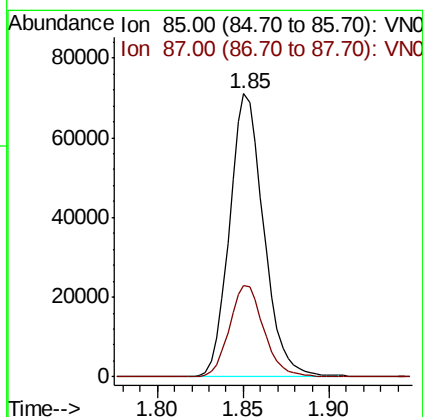
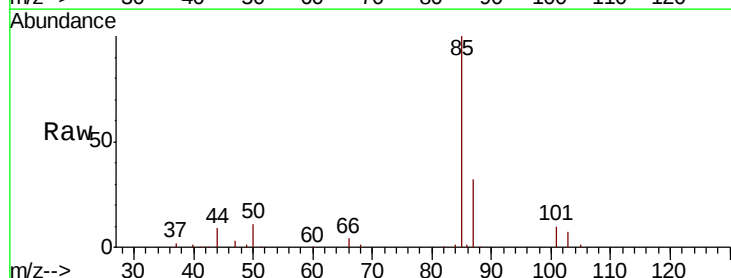
RT: 1.85 min Scan# 24

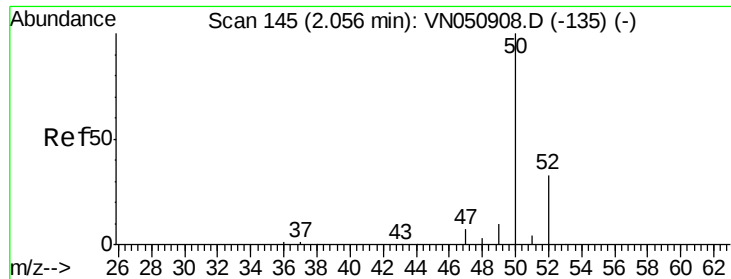
Delta R.T. -0.00 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Tgt Ion:	85	Resp:	98609
Ion Ratio	Lower	Upper	
85	100		
87	32.4	16.4	49.1





#3

Chloromethane

Concen: 17.328 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

Tgt Ion: 50 Resp: 131610

Ion Ratio Lower Upper

50 100

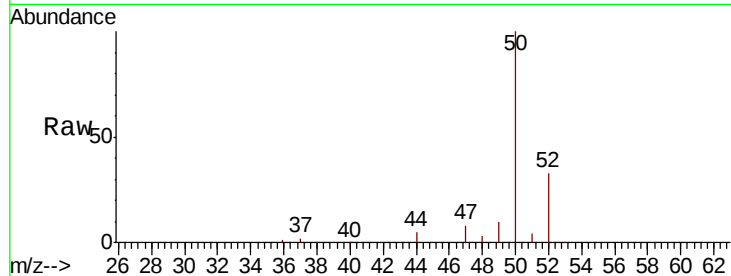
52 33.5 26.2 39.4

Manual Integrations

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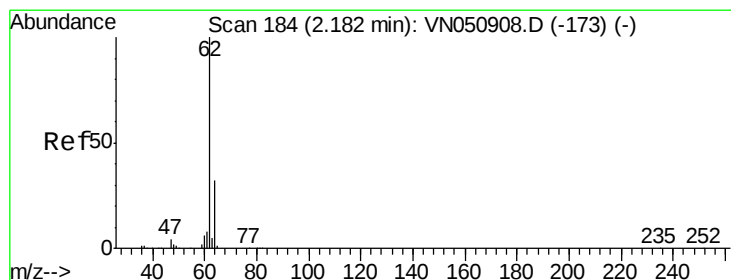
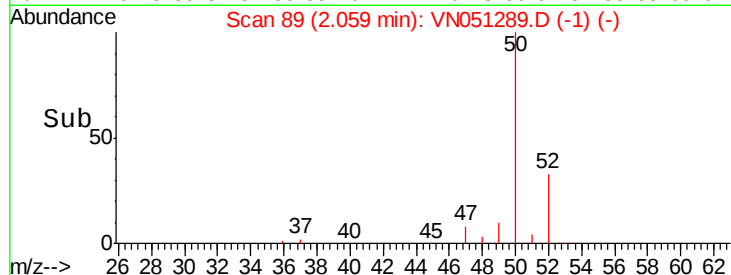
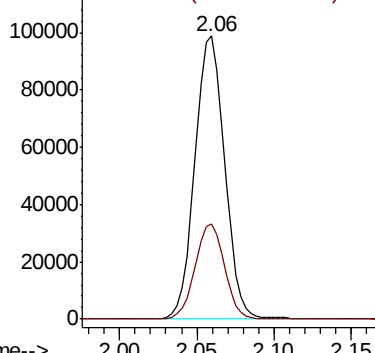
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 17.518 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051289.D

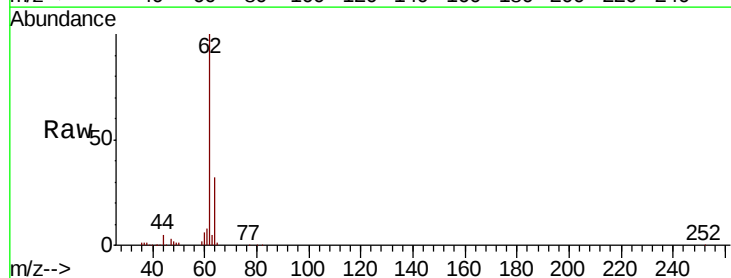
Acq: 18 Sep 2018 11:44

Tgt Ion: 62 Resp: 131471

Ion Ratio Lower Upper

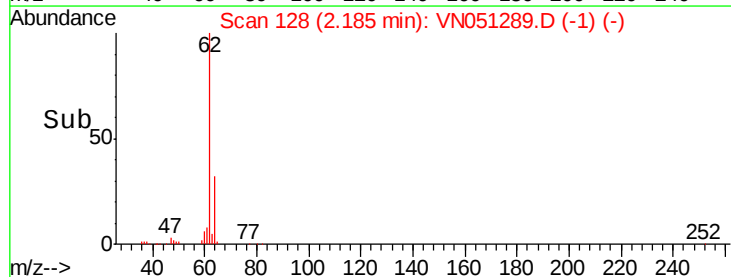
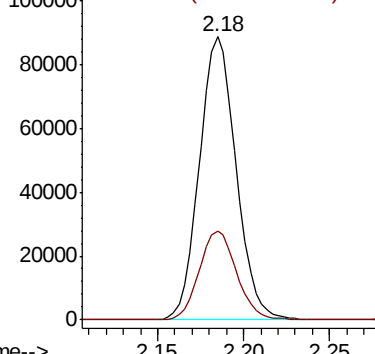
62 100

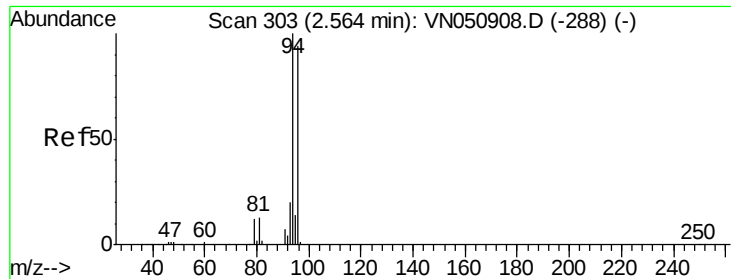
64 31.5 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 16.627 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

Tgt Ion: 94 Resp: 76060

Ion Ratio Lower Upper

94 100

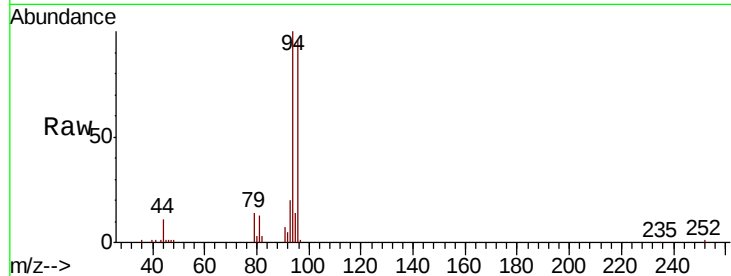
96 95.9 74.9 112.3

Manual Integrations

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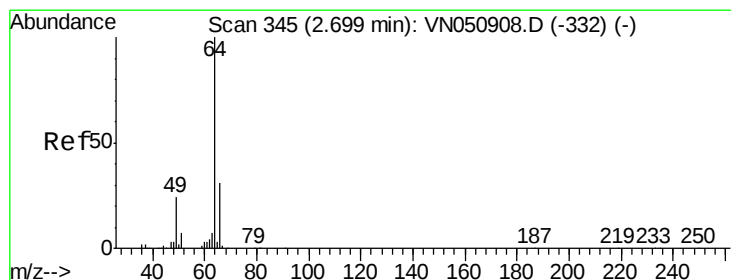
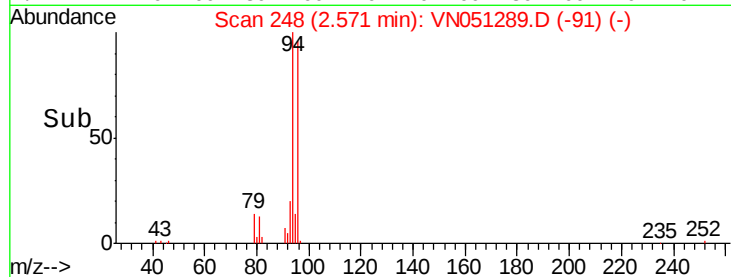
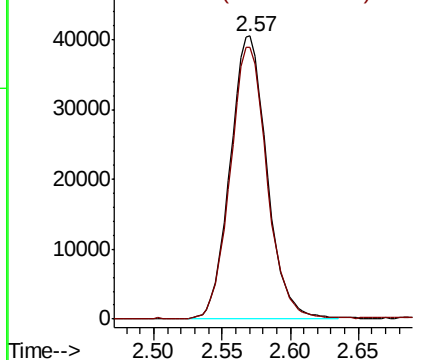
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 17.398 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN051289.D

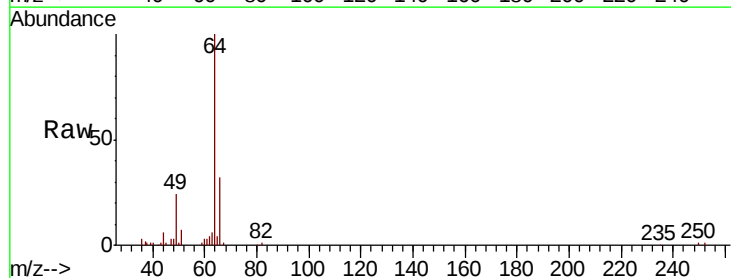
Acq: 18 Sep 2018 11:44

Tgt Ion: 64 Resp: 77015

Ion Ratio Lower Upper

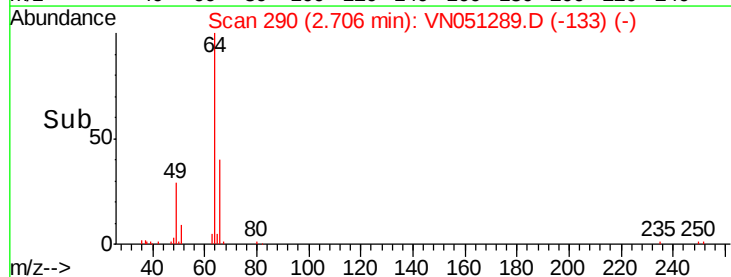
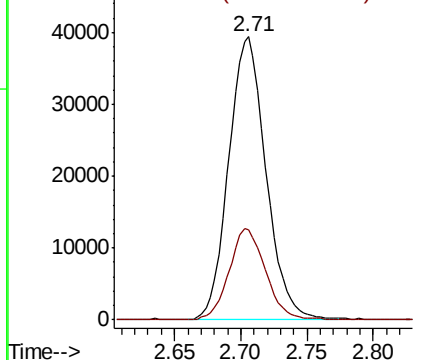
64 100

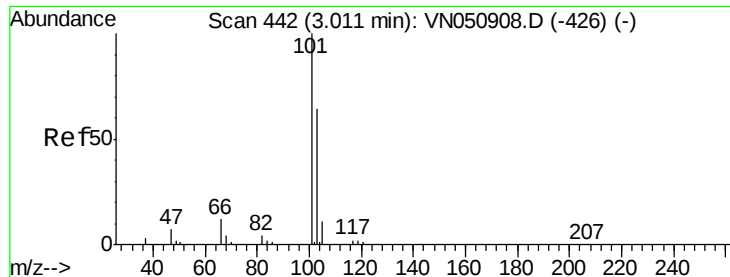
66 31.8 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

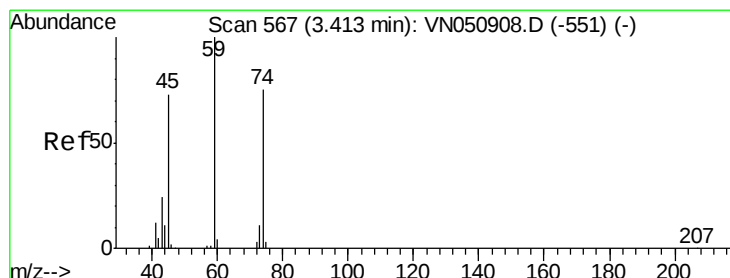
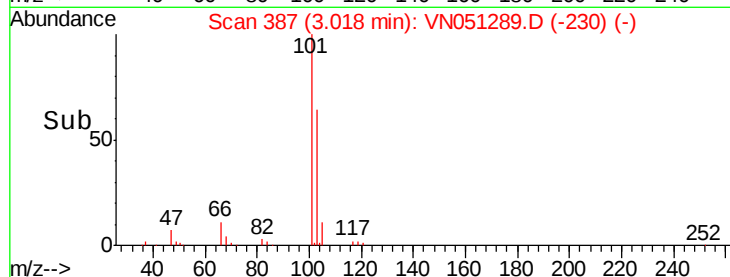
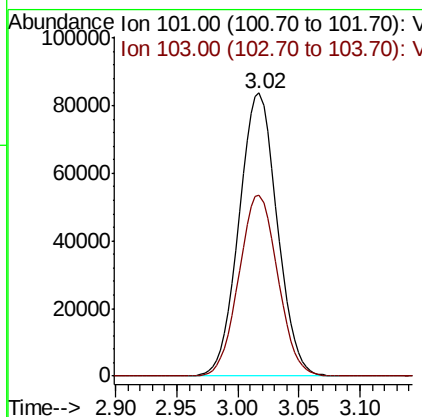
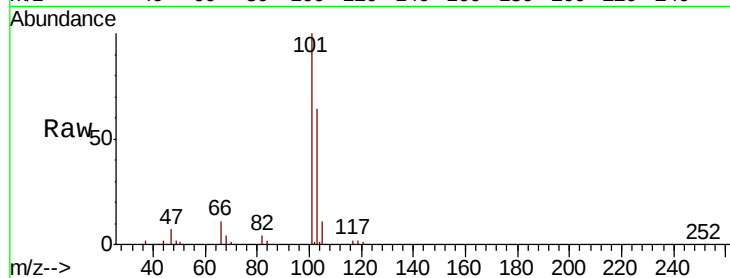
Trichlorofluoromethane
 Concen: 18.239 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	181461		
103	64.0	51.3	76.9	

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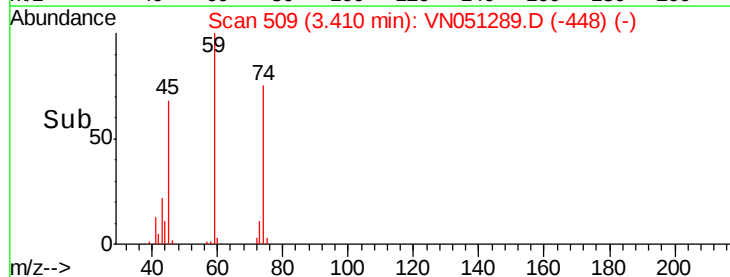
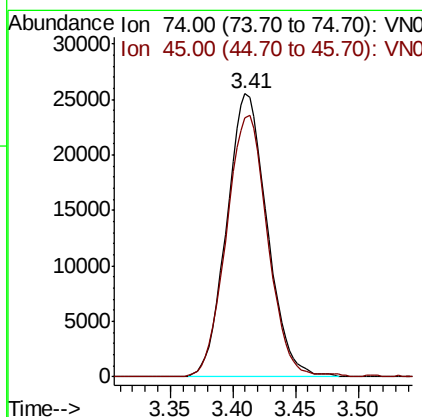
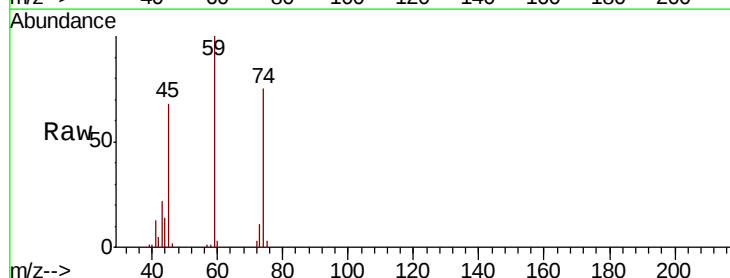
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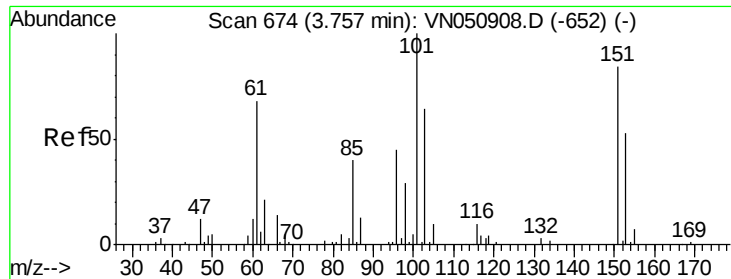


#8

Diethyl Ether
 Concen: 16.296 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	57161		
45	93.9	19.7	177.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.046 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Instrument :

MSVOA_N

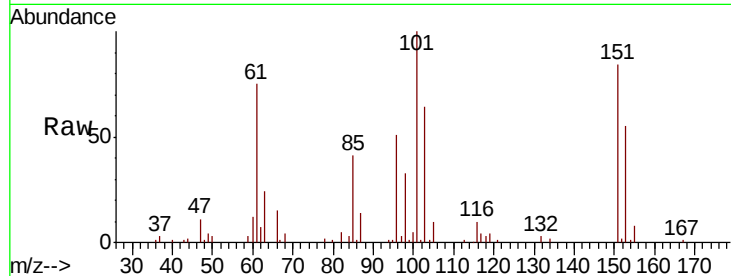
ClientSampleId :

VN0918WBS01

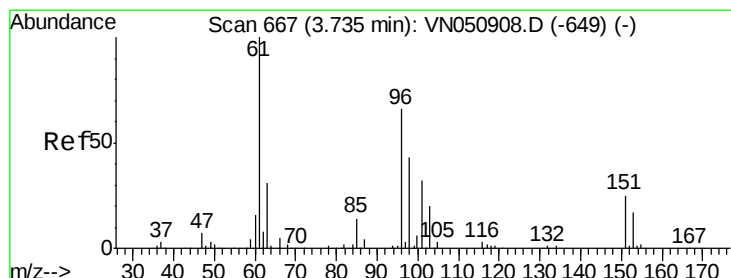
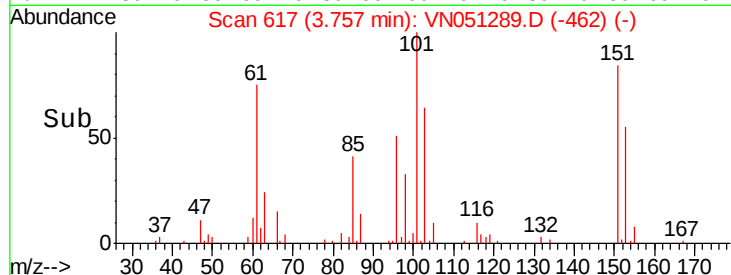
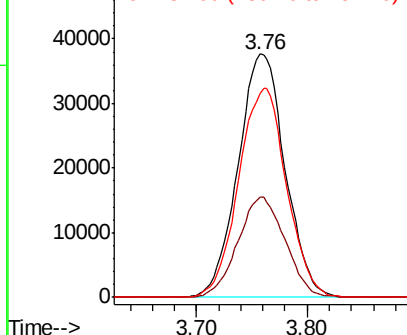
Tgt Ion:	101	Resp:	111185
Ion Ratio	Lower	Upper	
101	100		
85	41.2	0.0	83.6
151	87.5	0.0	167.0

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 17.638 ug/l

RT: 3.74 min Scan# 611

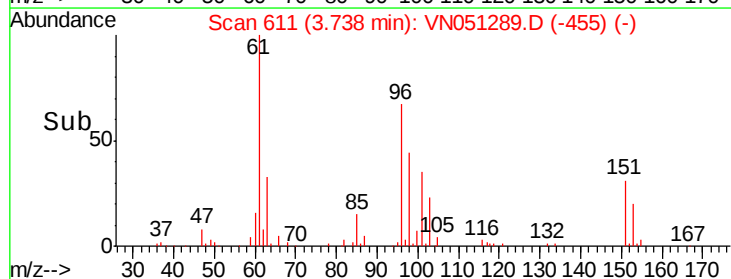
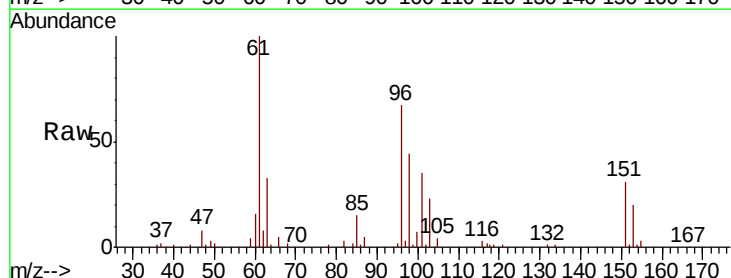
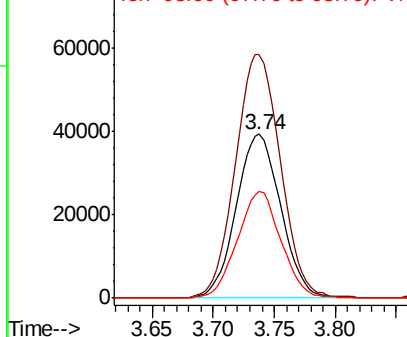
Delta R.T. 0.00 min

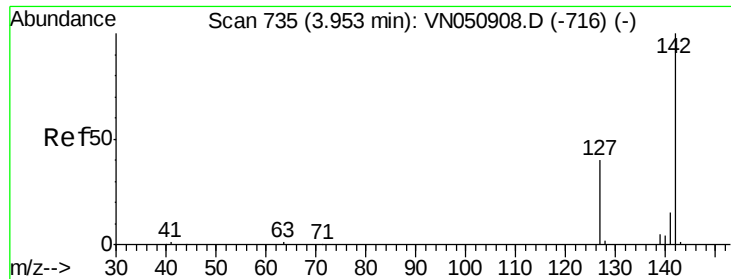
Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Tgt Ion:	96	Resp:	98712
Ion Ratio	Lower	Upper	
96	100		
61	148.7	121.8	182.8
98	65.2	52.3	78.5

Abundance Ion 96.00 (95.70 to 96.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 98.00 (97.70 to 98.70): V





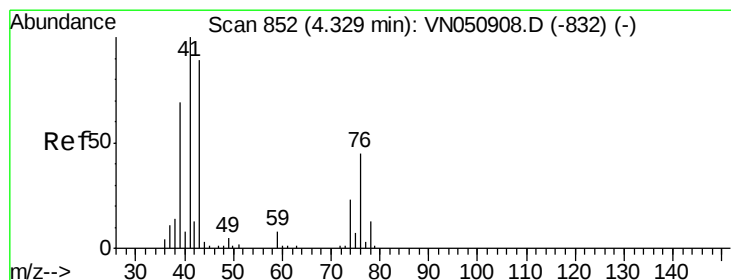
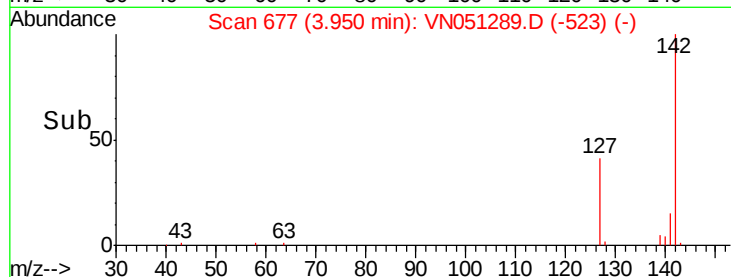
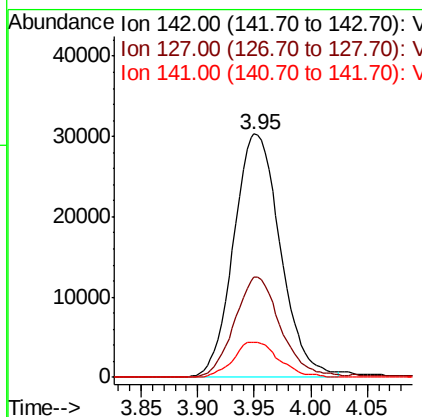
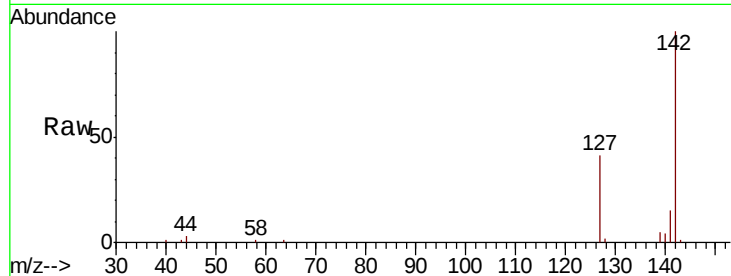
#11
Methyl Iodide
Concen: 16.716 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.1	19.7	59.1
141	14.7	7.3	22.0

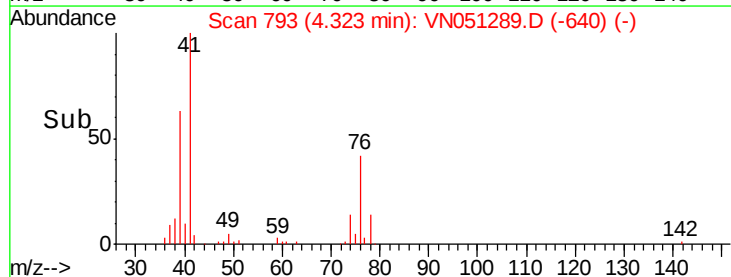
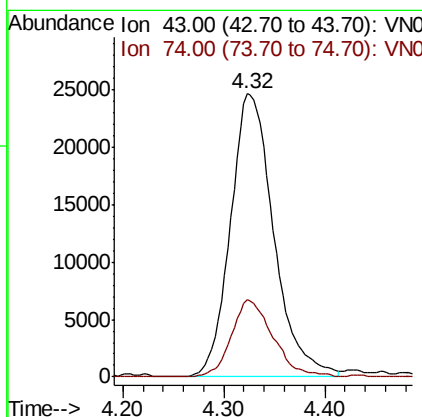
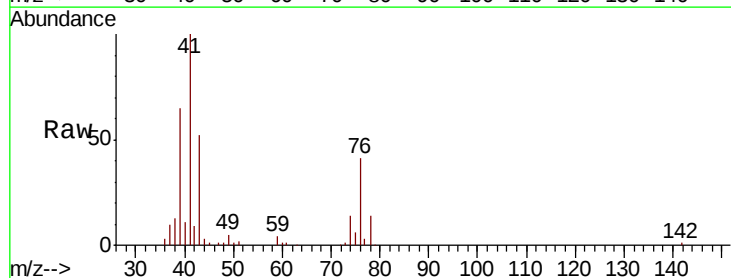
Manual Integrations
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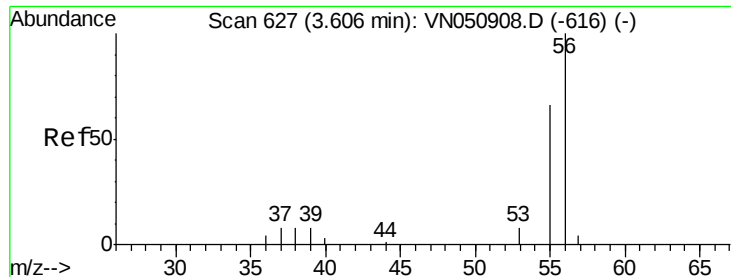
MMDadoda
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#12
Methyl Acetate
Concen: 11.371 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.4	20.6	31.0





#13

Acrolein

Concen: 256.883 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

Tgt Ion: 56 Resp: 36812

Ion Ratio Lower Upper

56 100

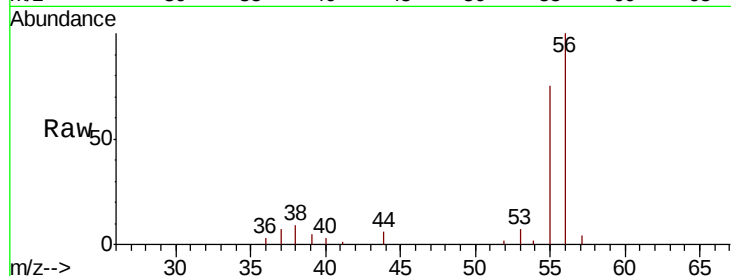
55 71.4 59.1 88.7

Manual Integrations

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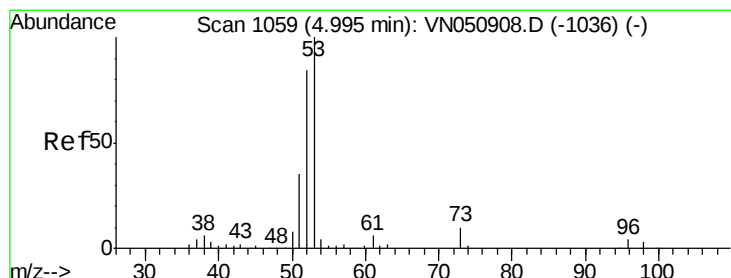
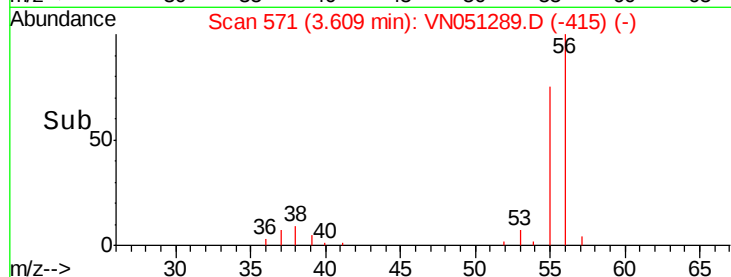
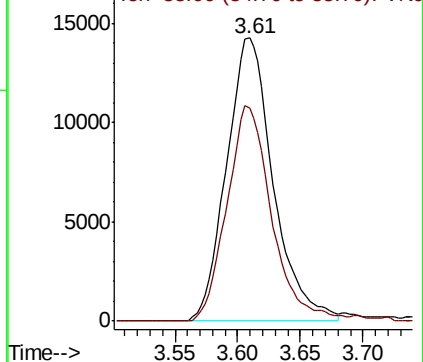
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 68.448 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

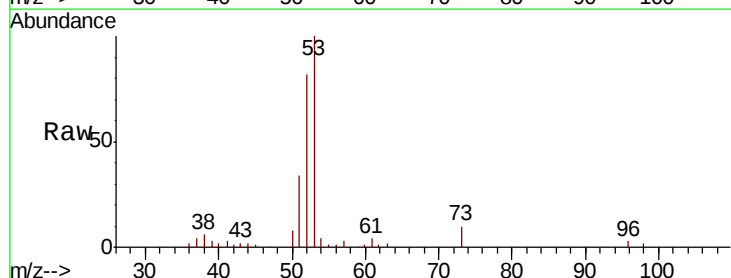
Tgt Ion: 53 Resp: 149770

Ion Ratio Lower Upper

53 100

52 82.6 42.2 126.6

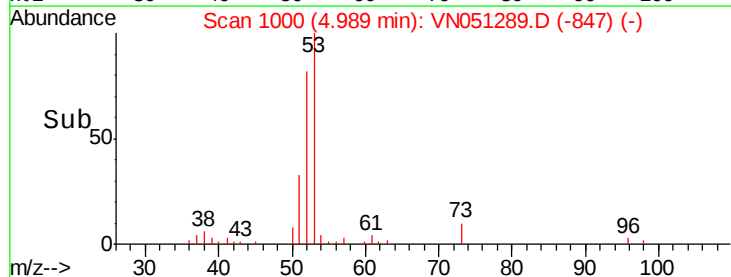
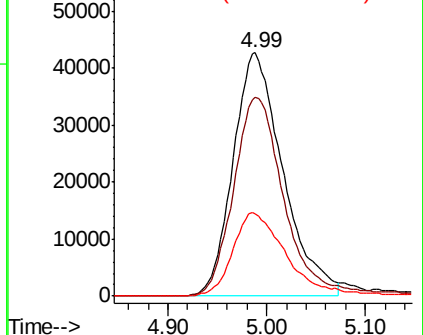
51 36.2 17.7 53.1

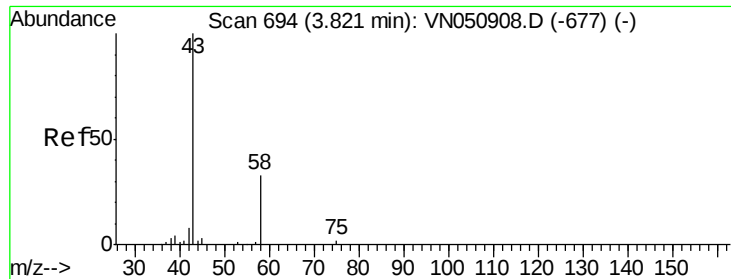


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 69.294 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

Tgt Ion: 58 Resp: 38799

Ion Ratio Lower Upper

58 100

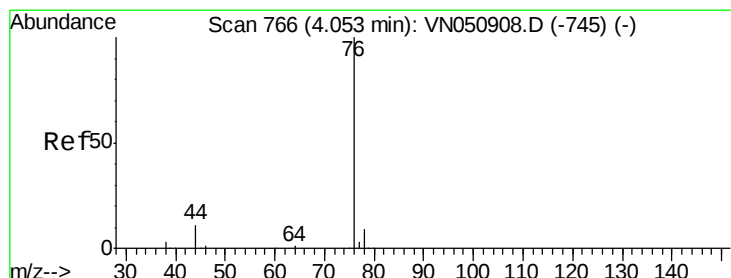
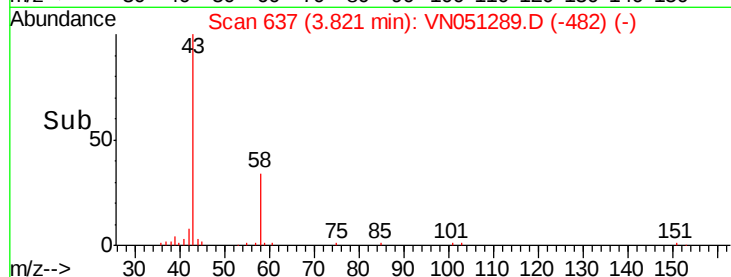
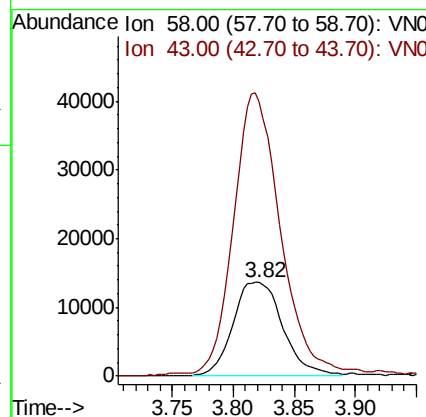
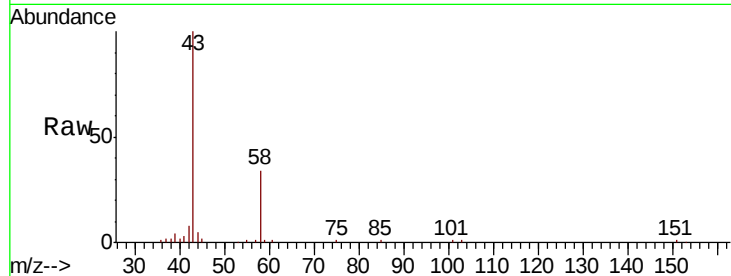
43 289.1 239.4 359.0

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#16

Carbon Disulfide

Concen: 17.830 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051289.D

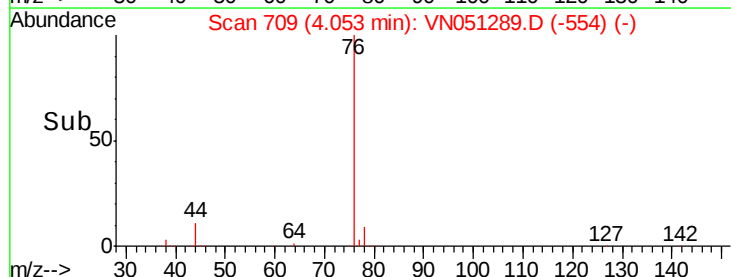
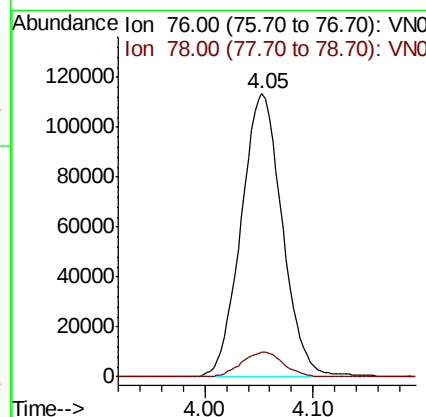
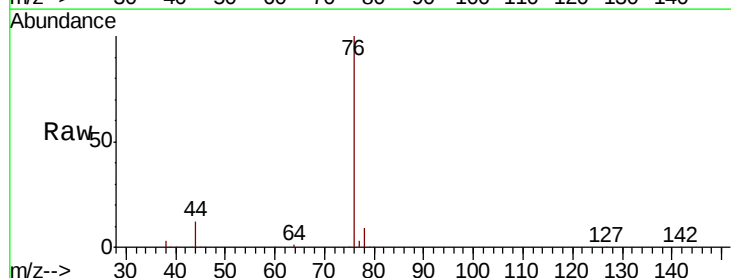
Acq: 18 Sep 2018 11:44

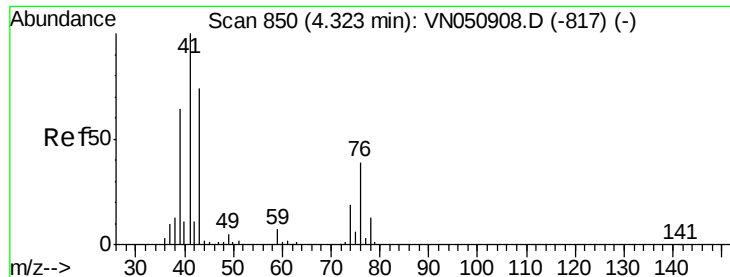
Tgt Ion: 76 Resp: 300047

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9





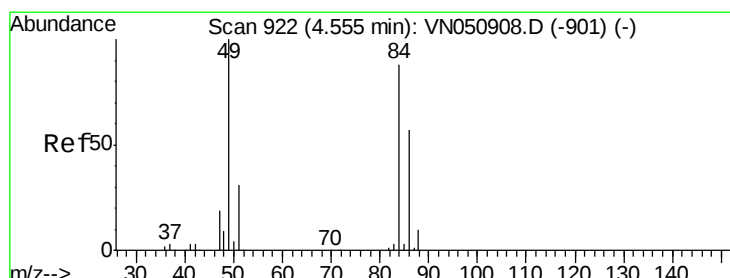
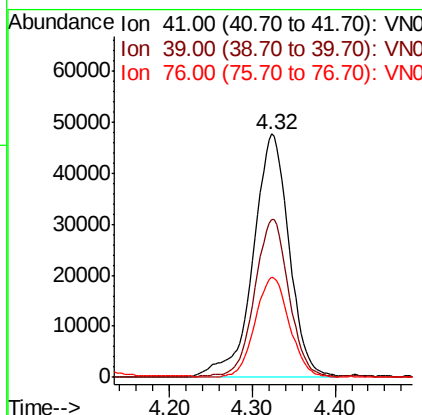
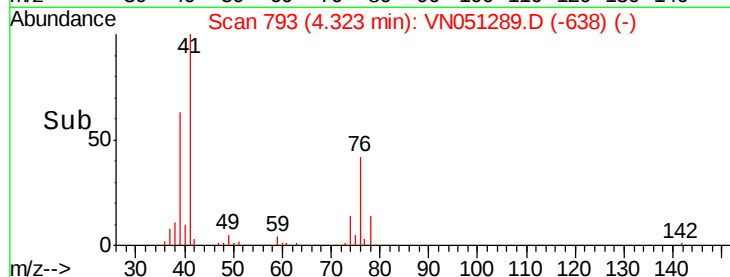
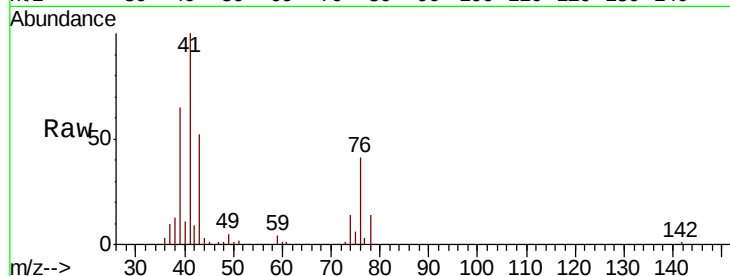
#17
 Allyl chloride
 Concen: 16.353 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Tgt Ion:	41	Resp:	144004
Ion	Ratio	Lower	Upper
41	100		
39	64.9	32.2	96.6
76	40.9	19.6	58.7

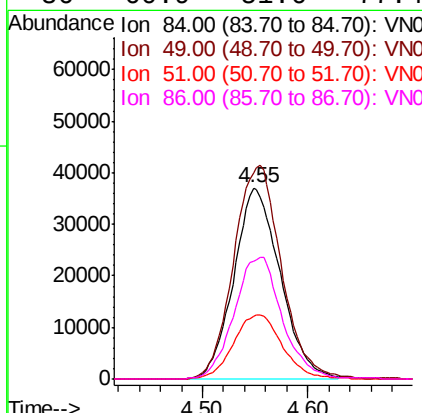
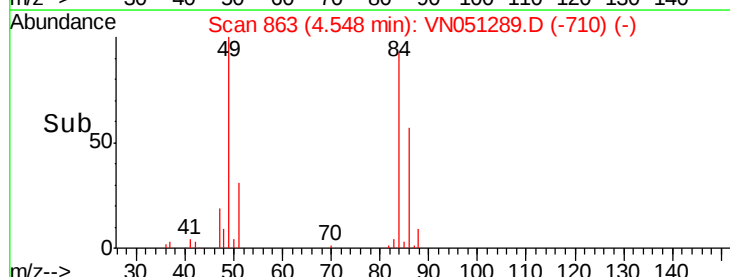
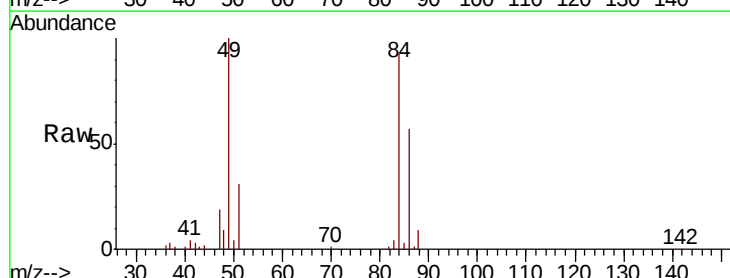
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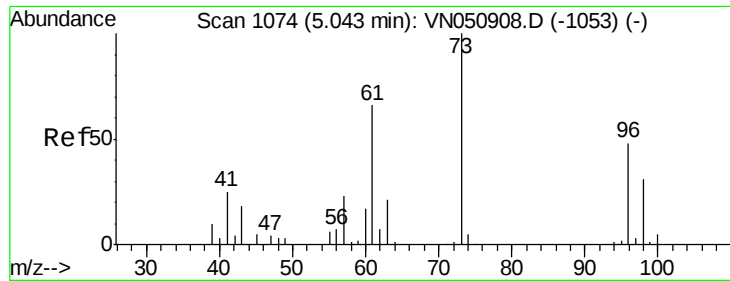
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#18
 Methylene Chloride
 Concen: 17.267 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Tgt Ion:	84	Resp:	113426
Ion	Ratio	Lower	Upper
84	100		
49	106.9	90.6	135.8
51	32.8	28.4	42.6
86	60.9	51.6	77.4





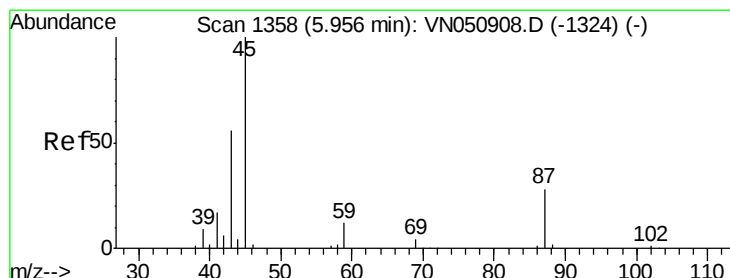
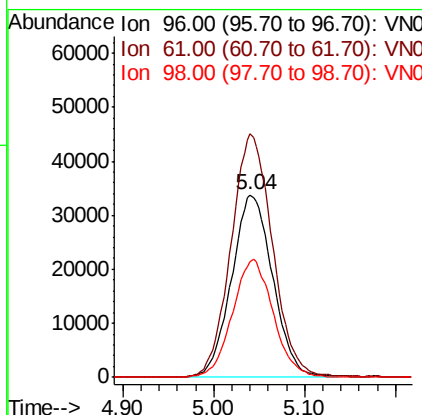
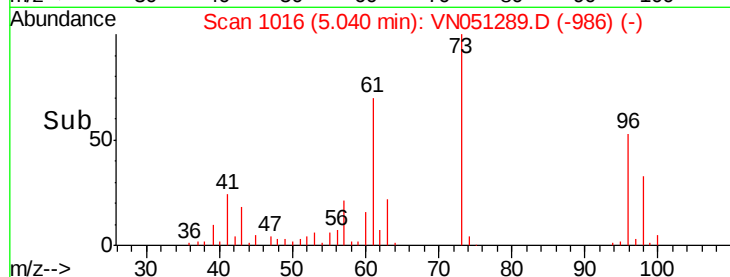
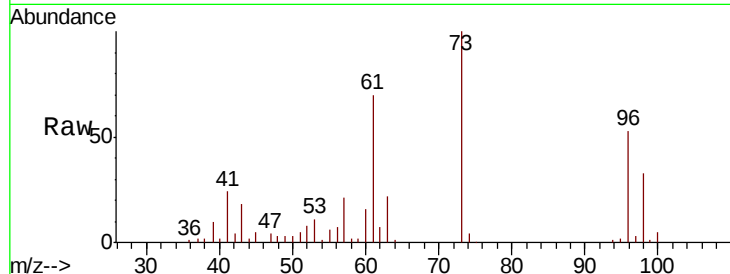
#19
trans-1,2-Dichloroethene
Concen: 17.855 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.0	109.5	164.3
98	63.2	51.9	77.9

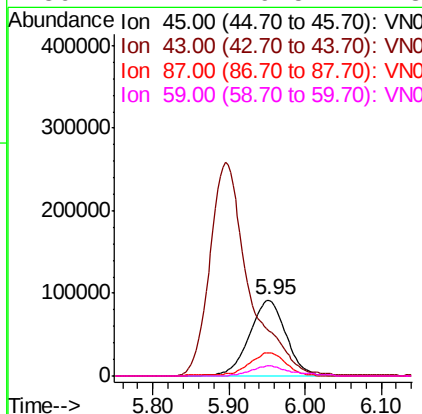
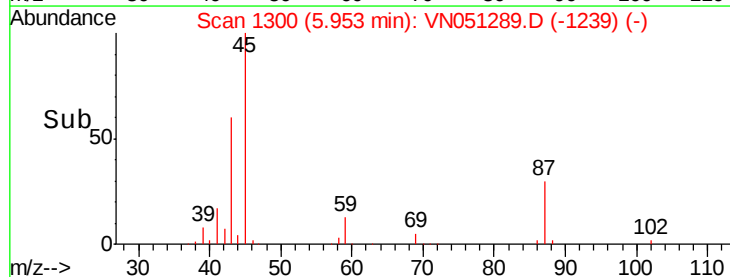
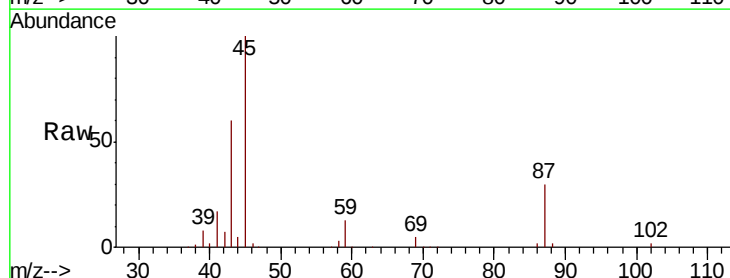
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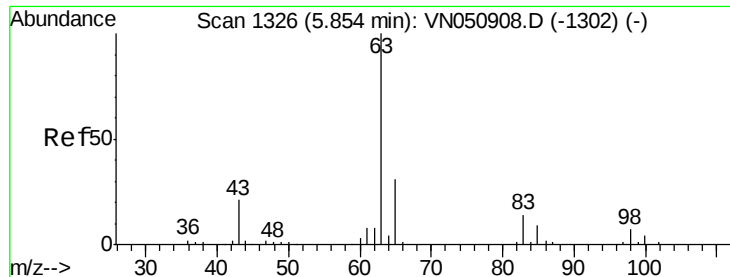
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#20
Diisopropyl ether
Concen: 16.833 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	47.0	70.6
87	30.0	22.8	34.2
59	12.7	9.5	14.3





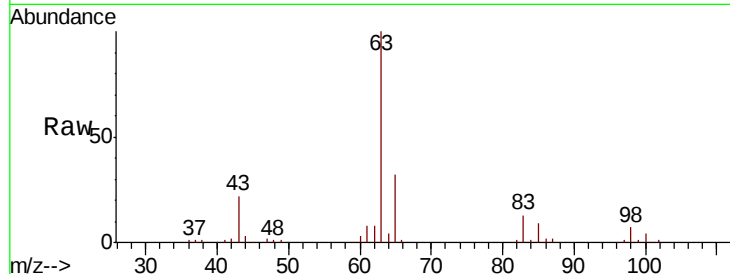
#21
 1,1-Dichloroethane
 Concen: 17.370 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN0918WBS01

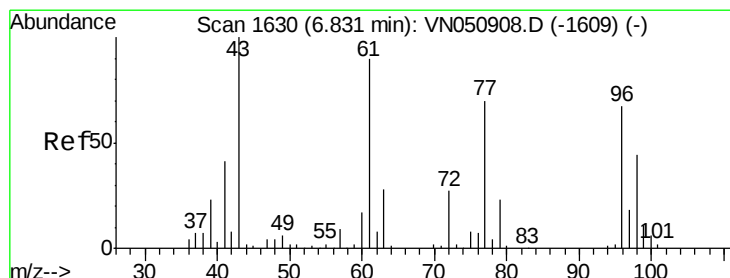
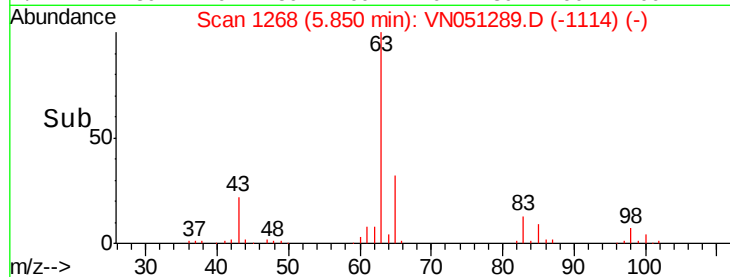
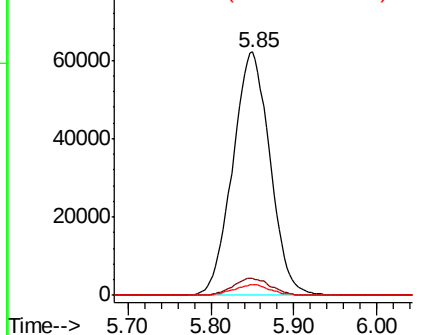
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	194678		
98	7.0	3.3	9.9	
100	4.4	2.0	6.0	

Manual Integrations
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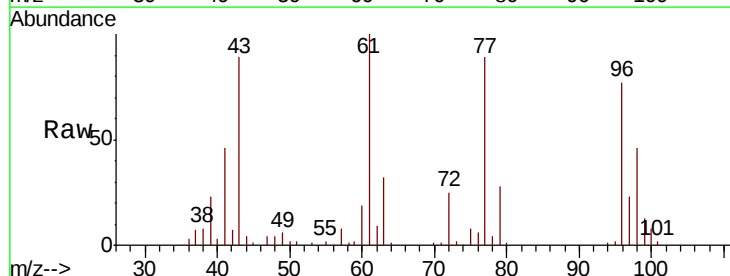


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

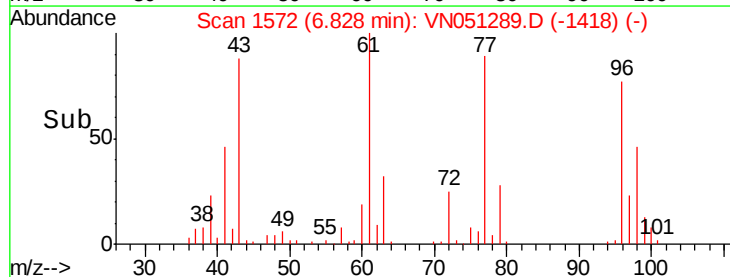
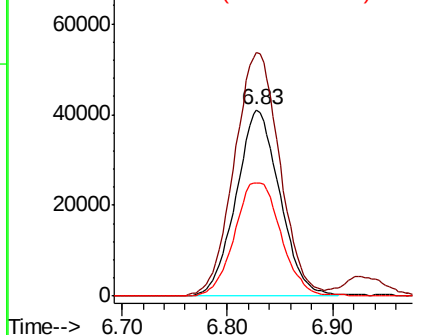


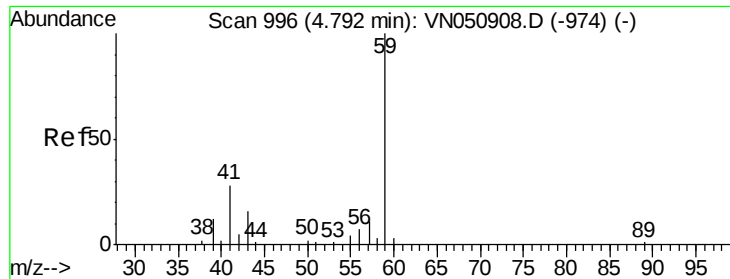
#22
 cis-1,2-Dichloroethene
 Concen: 17.561 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	118288		
61	136.1	110.0	165.0	
98	64.3	51.7	77.5	



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 60.762 ug/l m

RT: 4.78 min Scan# 935

Delta R.T. -0.01 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

Tgt Ion: 59 Resp: 28275

Ion Ratio Lower Upper

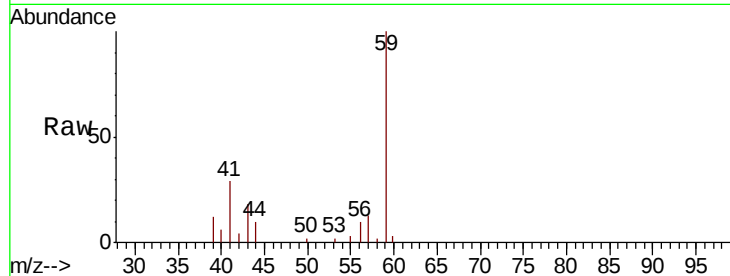
59 100

52 0.0 0.1 0.1#

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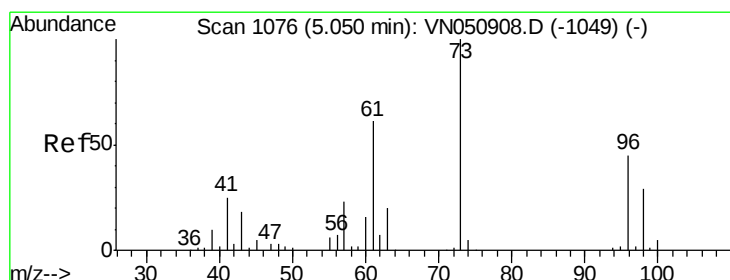
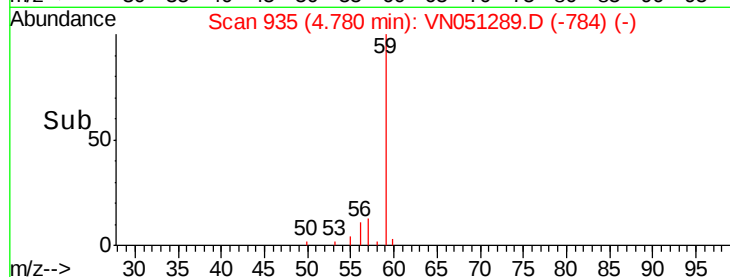
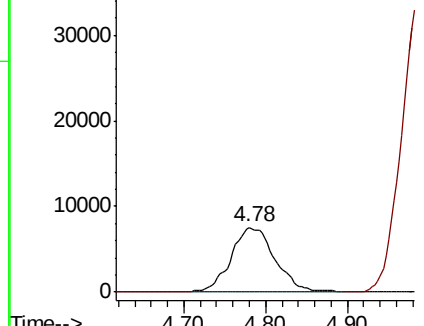
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Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 15.725 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VN051289.D

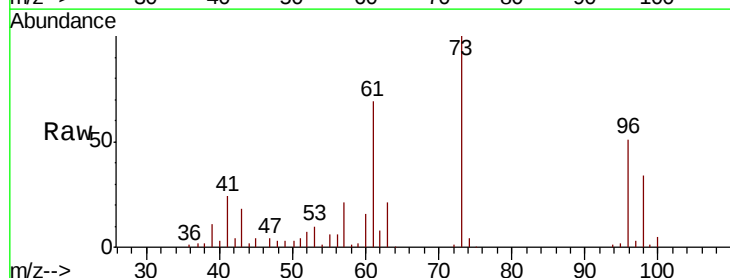
Acq: 18 Sep 2018 11:44

Tgt Ion: 73 Resp: 240701

Ion Ratio Lower Upper

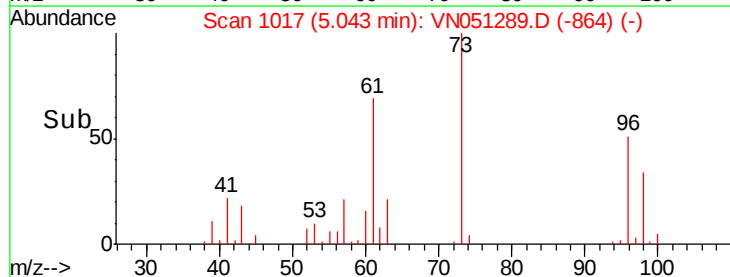
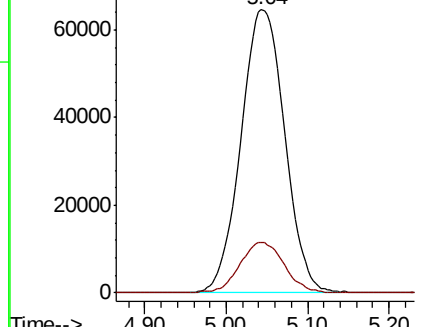
73 100

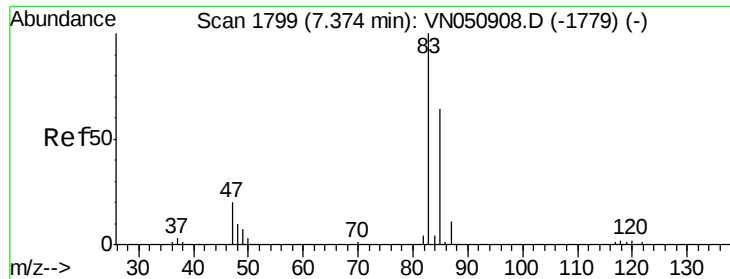
43 17.7 14.4 21.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





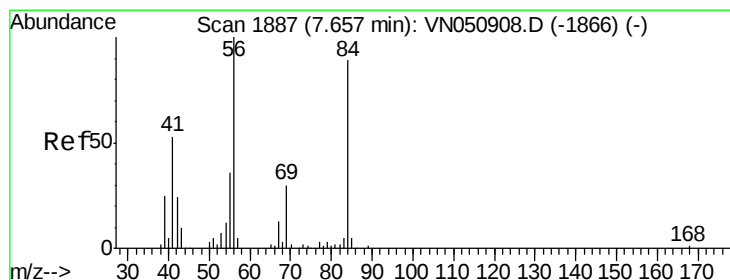
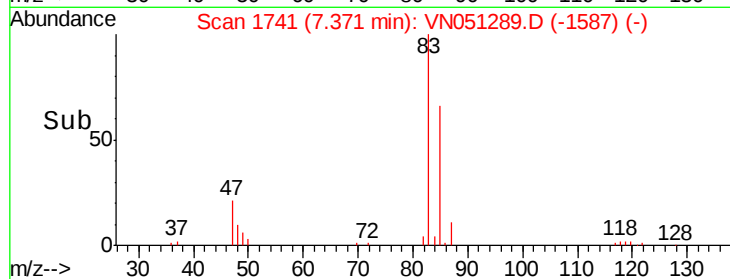
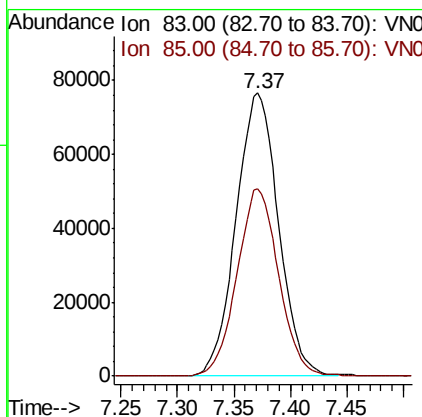
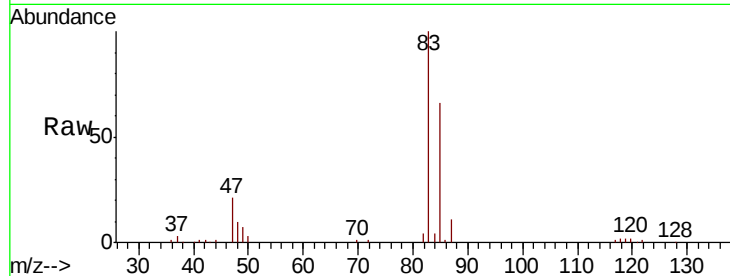
#25
Chloroform
Concen: 17.864 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Instrument :
MSVOA_N
ClientSampled :
VN0918WBS01

Tgt Ion: 83 Resp: 199827
Ion Ratio Lower Upper
83 100
85 66.2 51.4 77.0

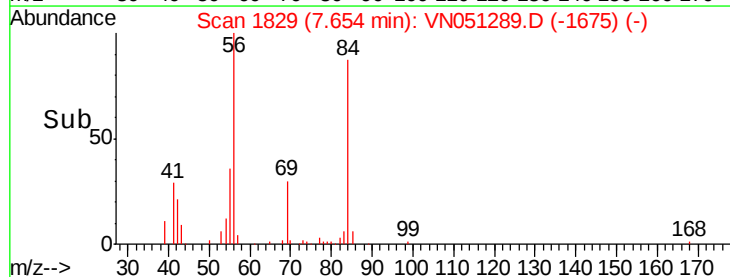
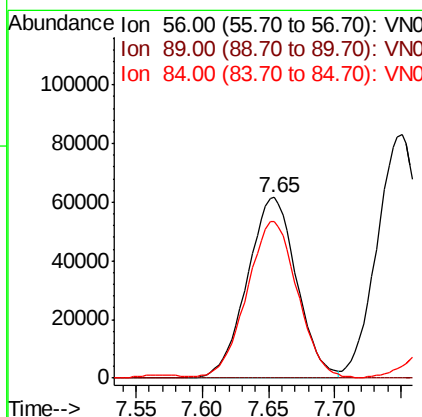
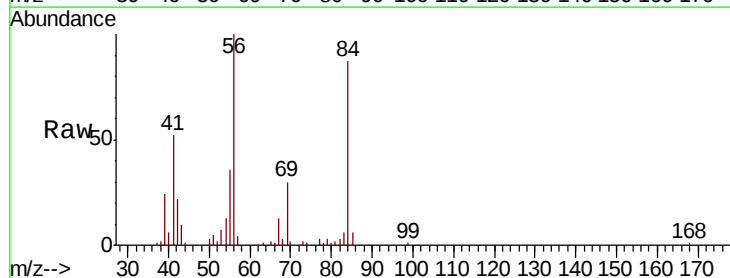
Manual Integrations
APPROVED

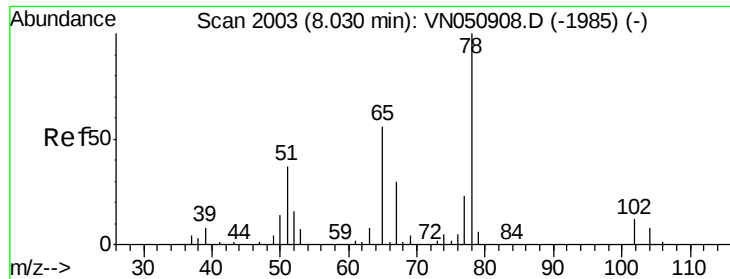
MMDadoda
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#26
Cyclohexane
Concen: 17.276 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Tgt Ion: 56 Resp: 160418
Ion Ratio Lower Upper
56 100
89 0.2 0.4 0.6#
84 88.6 70.4 105.6





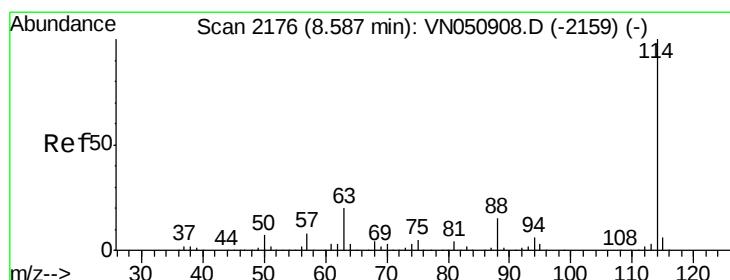
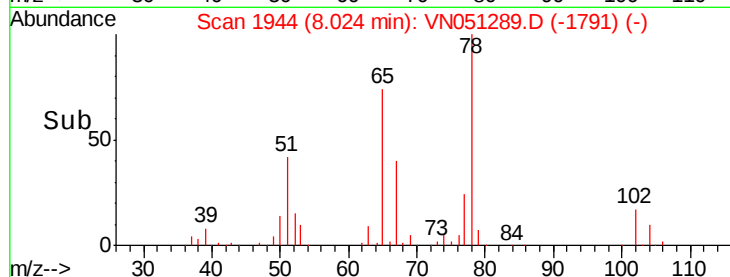
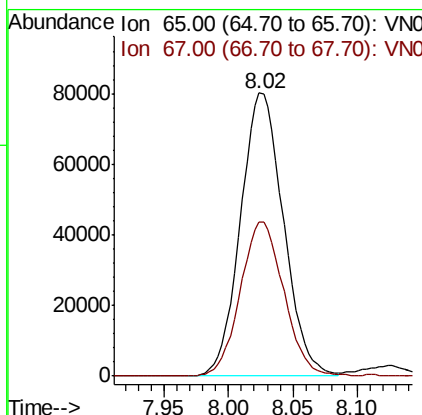
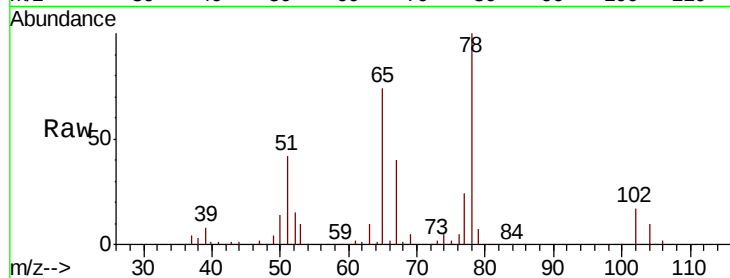
#27
 1,2-Dichloroethane-d4
 Concen: 28.207 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.01 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Tgt Ion: 65 Resp: 186434
 Ion Ratio Lower Upper
 65 100
 67 55.1 43.7 65.5

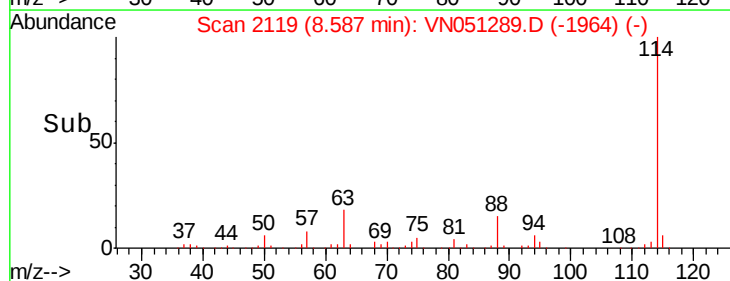
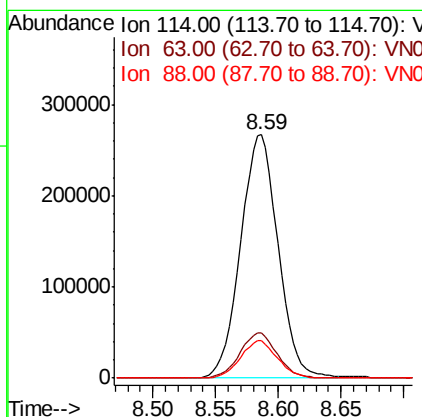
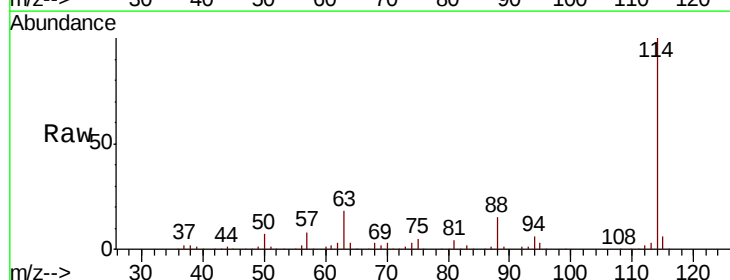
Manual Integrations
 APPROVED

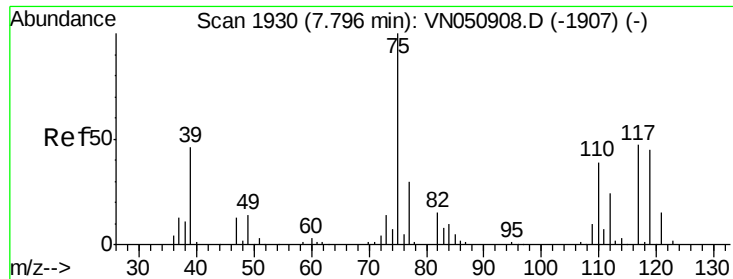
MMDadoda
 9/19/2018 2:57:06 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Tgt Ion: 114 Resp: 555850
 Ion Ratio Lower Upper
 114 100
 63 18.5 15.6 23.4
 88 15.1 12.2 18.4





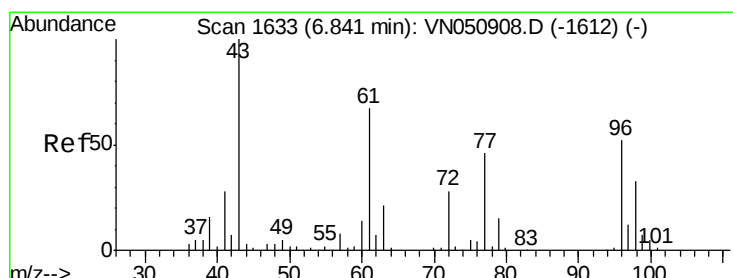
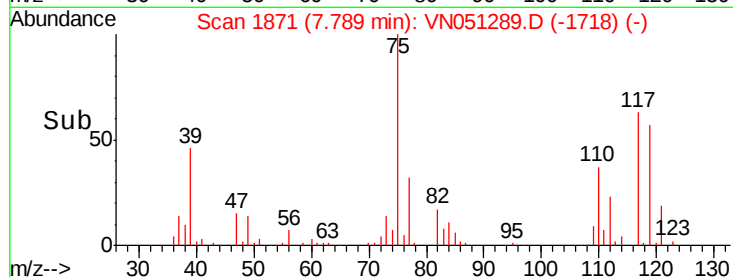
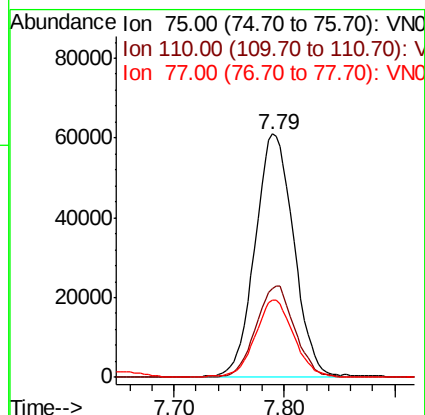
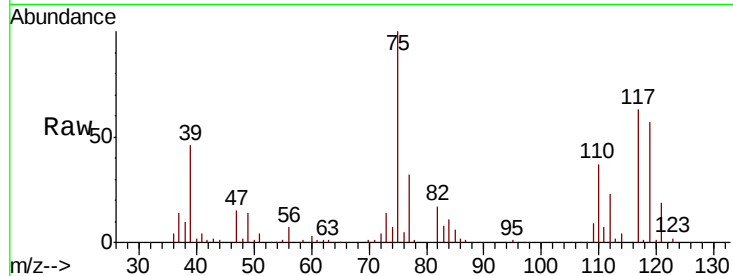
#29
 1,1-Dichloropropene
 Concen: 17.850 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	37.5	0.0	75.0
77	31.8	0.0	60.6

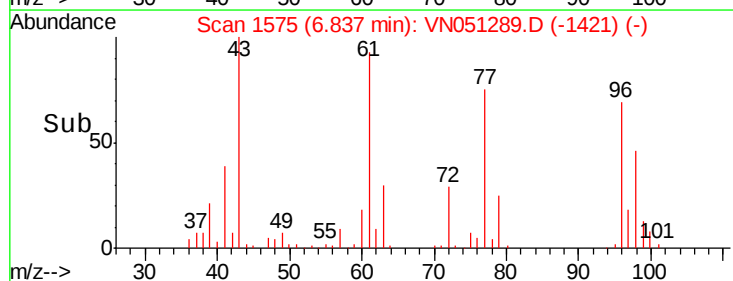
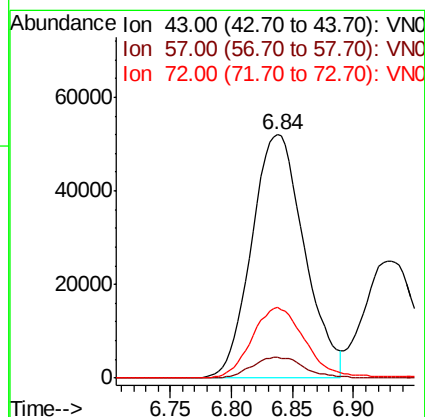
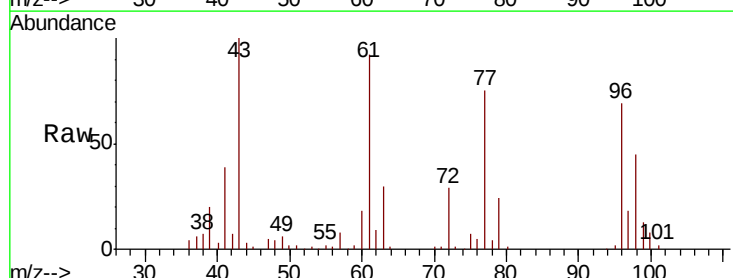
Manual Integrations
 APPROVED

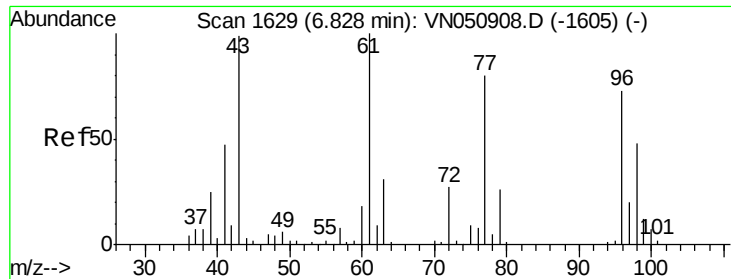
MMDadoda
 9/19/2018 2:57:06 PM



#30
 2-Butanone
 Concen: 60.855 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	8.6	6.9	10.3
72	29.5	22.8	34.2





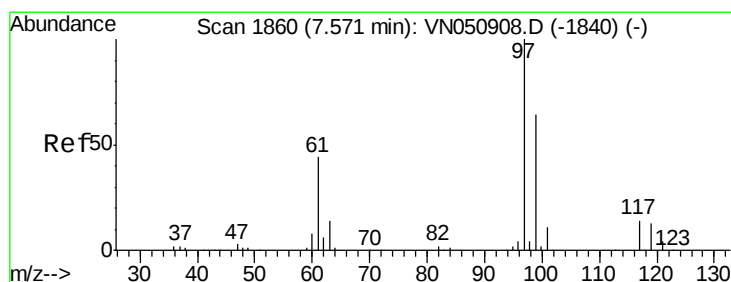
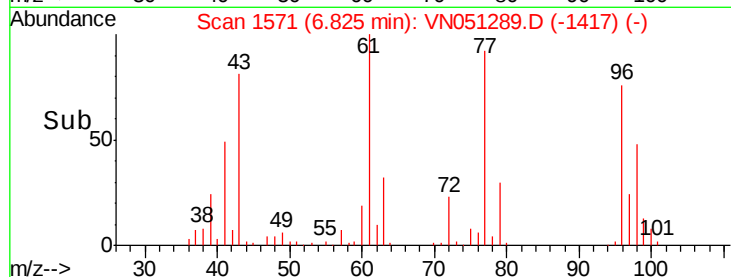
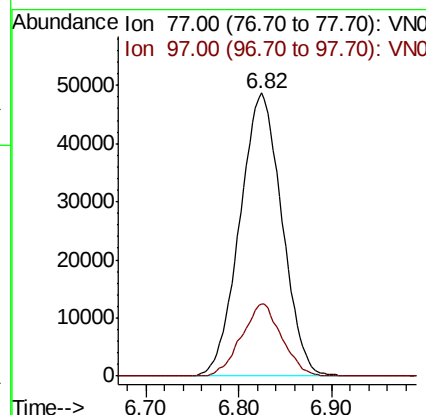
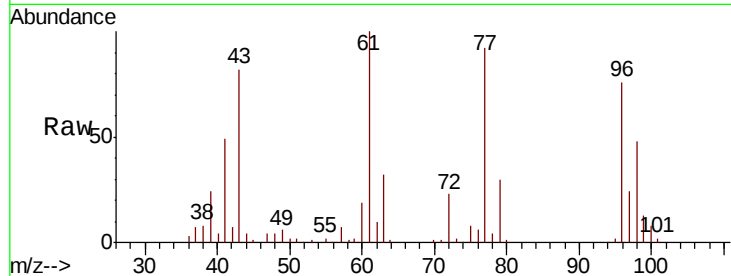
#31
 2,2-Dichloropropane
 Concen: 18.968 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Tgt Ion: 77 Resp: 153588
 Ion Ratio Lower Upper
 77 100
 97 24.4 20.2 30.2

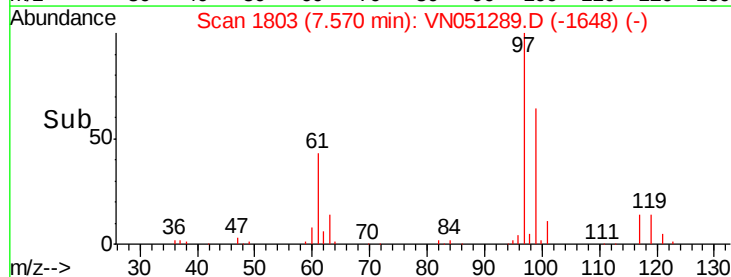
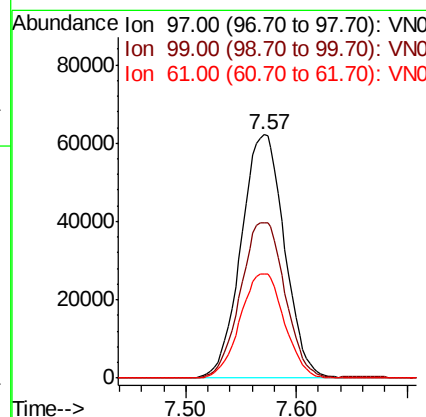
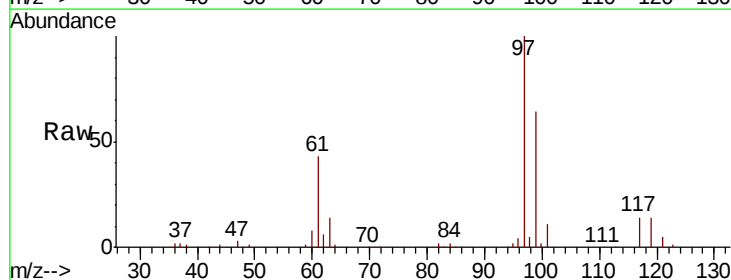
Manual Integrations
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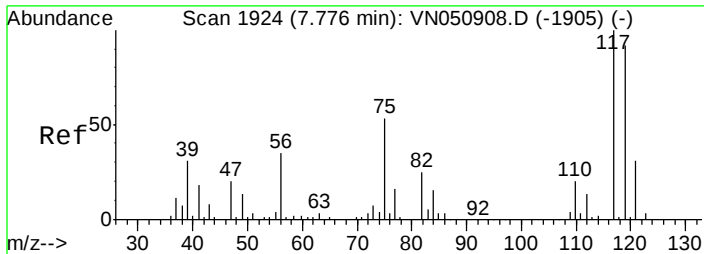
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#32
 1,1,1-Trichloroethane
 Concen: 17.939 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Tgt Ion: 97 Resp: 169281
 Ion Ratio Lower Upper
 97 100
 99 65.6 52.0 78.0
 61 43.5 35.0 52.6





#33

Carbon Tetrachloride

Concen: 18.320 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.01 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Instrument :

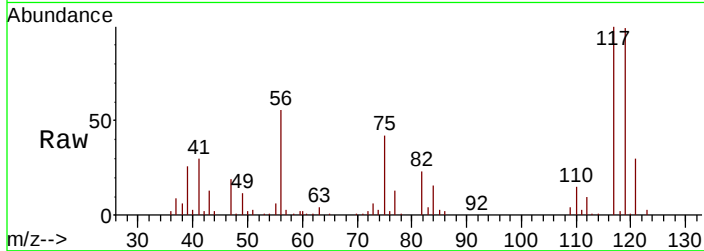
MSVOA_N

ClientSampleId :

VN0918WBS01

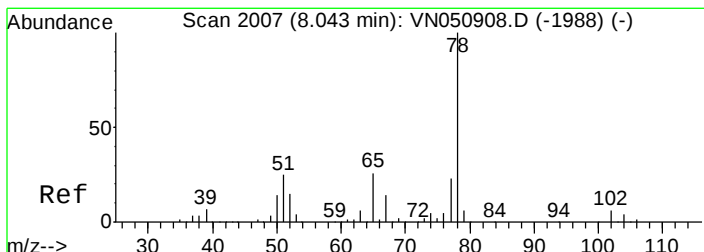
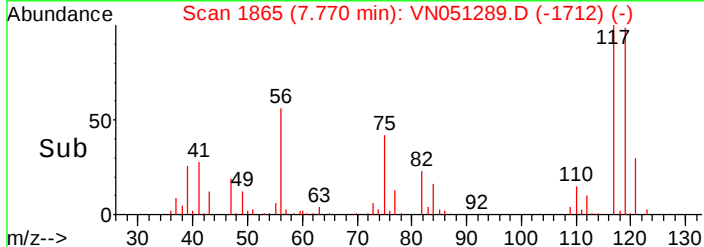
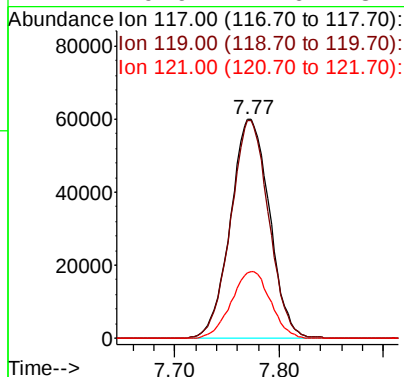
Manual Integrations
APPROVED

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9/19/2018 2:57:06 PM



Tgt Ion: 117 Resp: 155684

Ion	Ratio	Lower	Upper
117	100		
119	99.2	73.5	110.3
121	29.9	24.6	37.0



#34

Benzene

Concen: 17.540 ug/l

RT: 8.04 min Scan# 1949

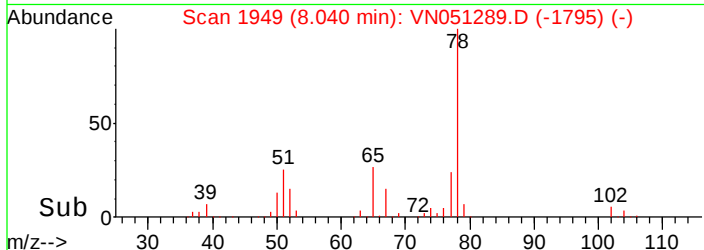
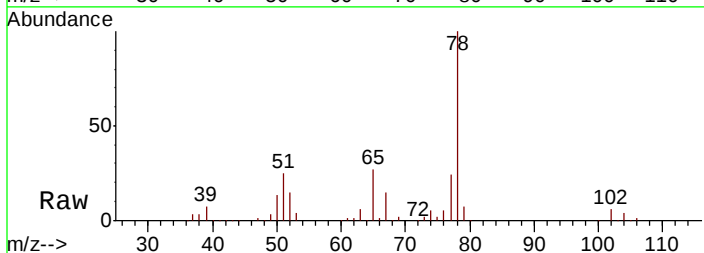
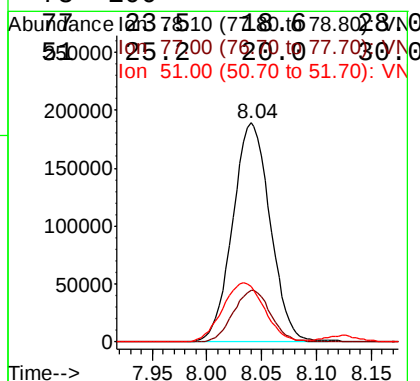
Delta R.T. -0.00 min

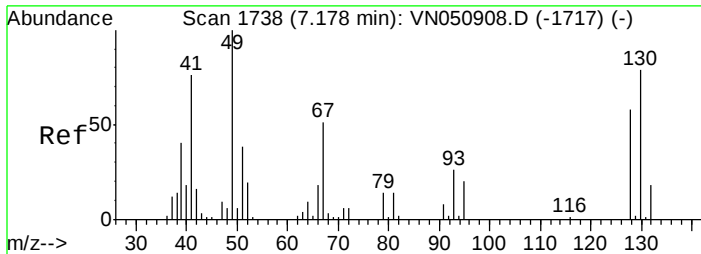
Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Tgt Ion: 78 Resp: 451527

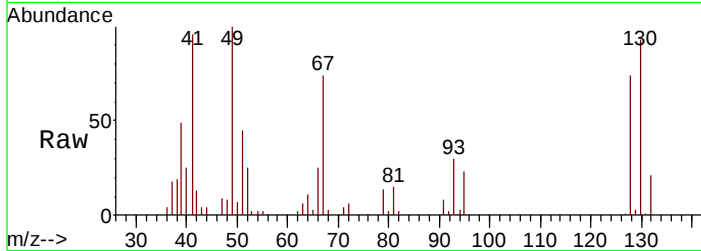
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0
79	25.2	20.0	30.0
102	20.0	15.0	25.0





#35
Methacrylonitrile
Concen: 11.810 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

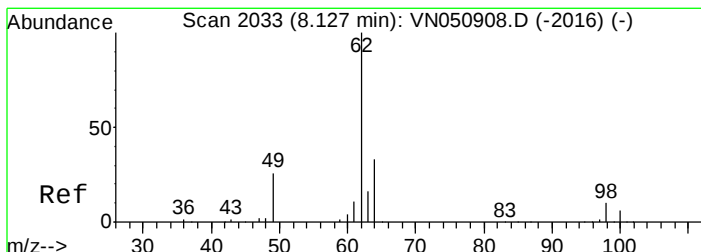
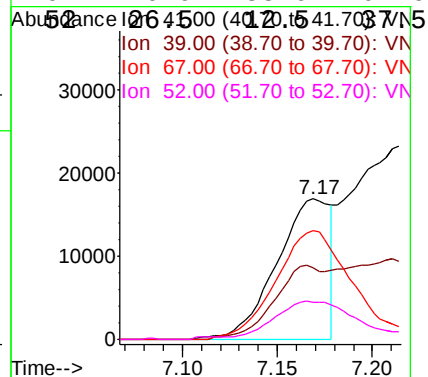
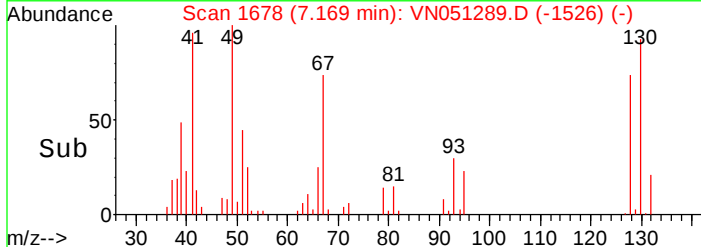
Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01



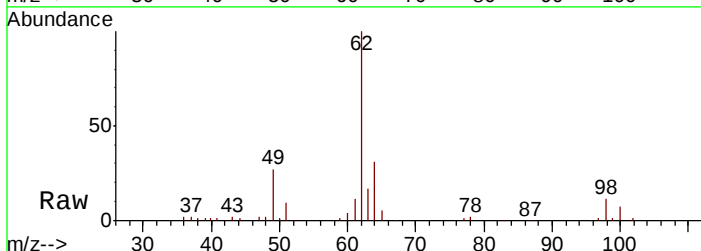
Tgt Ion: 41 Resp: 33125
Ion Ratio Lower Upper
41 100
39 51.1 26.2 78.5
67 76.9 33.9 101.6

Manual Integrations
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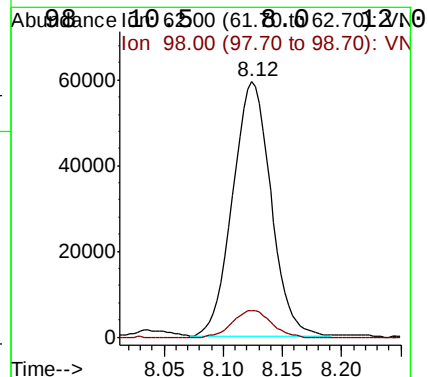
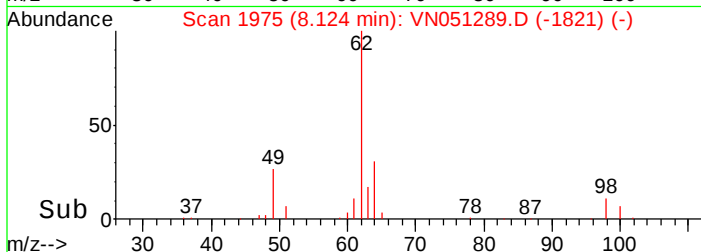
MMDadoda
9/19/2018 2:57:06 PM

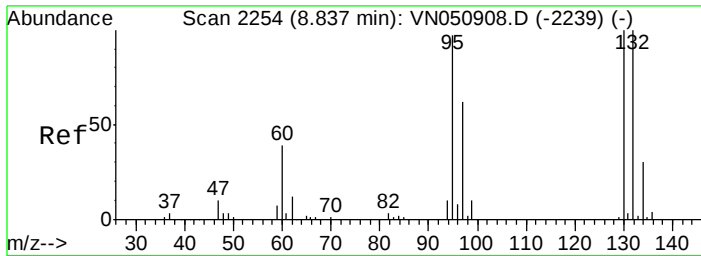


#36
1,2-Dichloroethane
Concen: 17.249 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44



Tgt Ion: 62 Resp: 134294
Ion Ratio Lower Upper
62 100





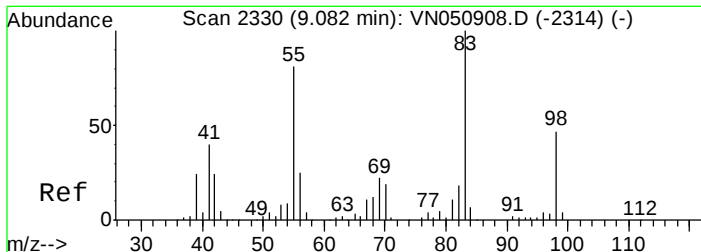
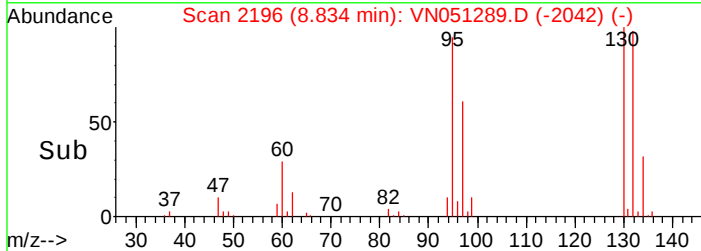
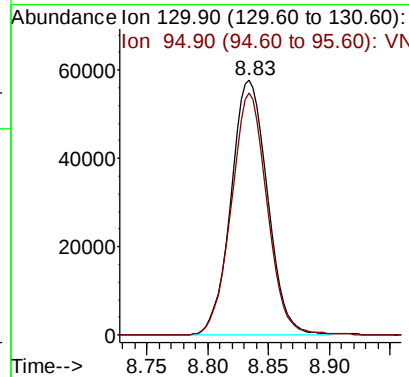
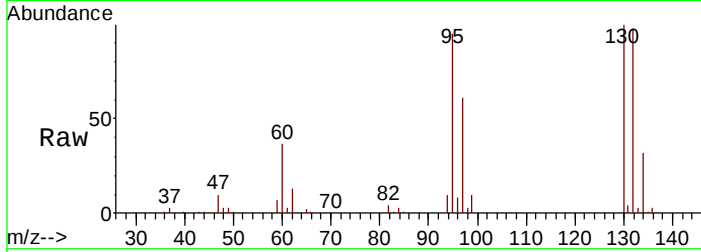
#37
 Trichloroethene
 Concen: 18.134 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Tgt Ion:130 Resp: 122018
 Ion Ratio Lower Upper
 130 100
 95 95.2 77.4 116.0

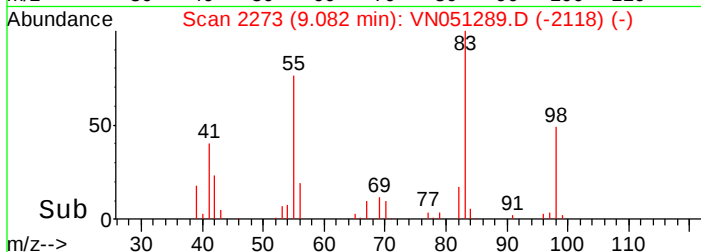
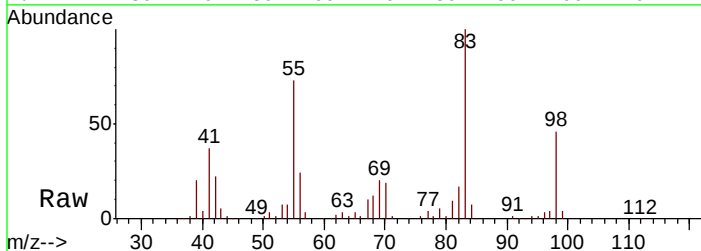
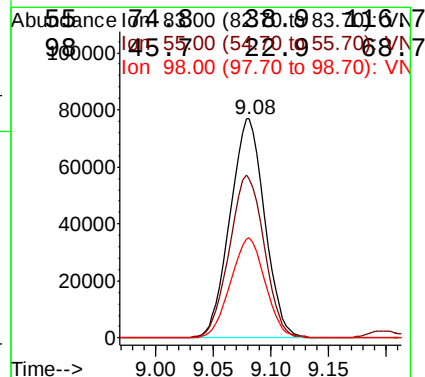
Manual Integrations
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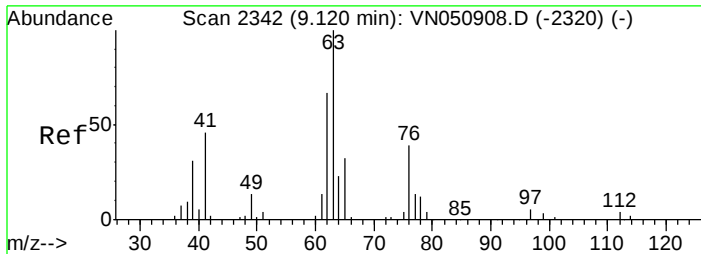
MMDadoda
 9/19/2018 2:57:06 PM



#38
 Methylcyclohexane
 Concen: 18.086 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Tgt Ion: 83 Resp: 161644
 Ion Ratio Lower Upper
 83 100





#39

1,2-Dichloropropane

Concen: 17.309 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Tgt Ion: 63 Resp: 116380

Ion Ratio Lower Upper

63 100

65 33.2 25.6 38.4

Instrument :

MSVOA_N

ClientSampleId :

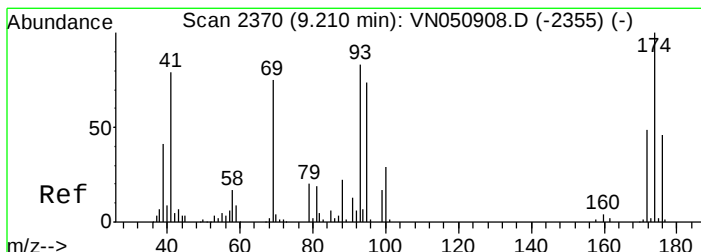
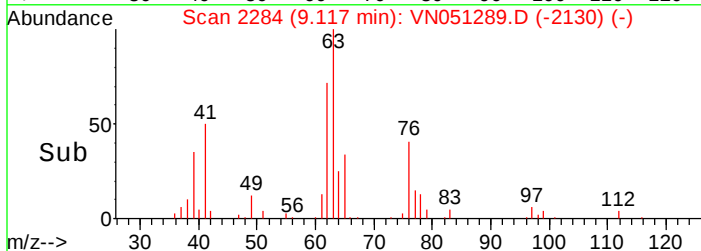
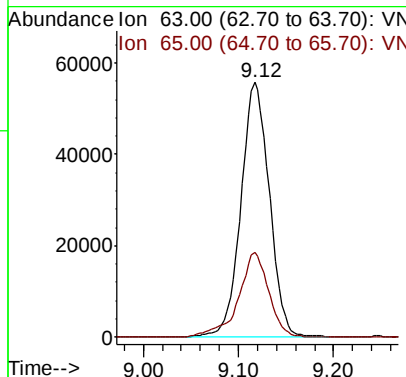
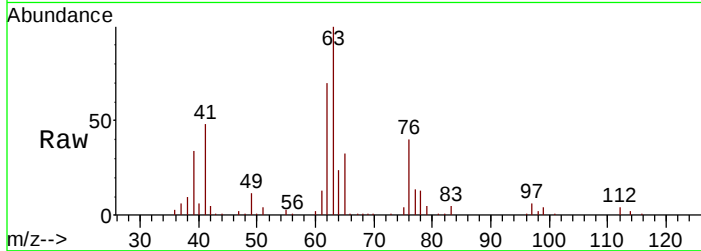
VN0918WBS01

Manual Integrations

APPROVED

MMDadoda

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#40

Dibromomethane

Concen: 17.200 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

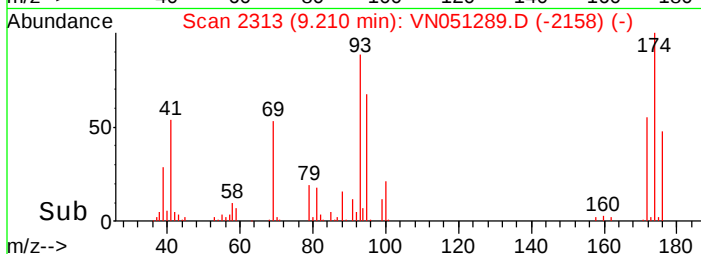
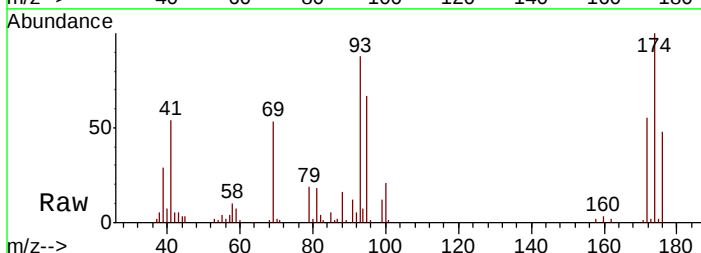
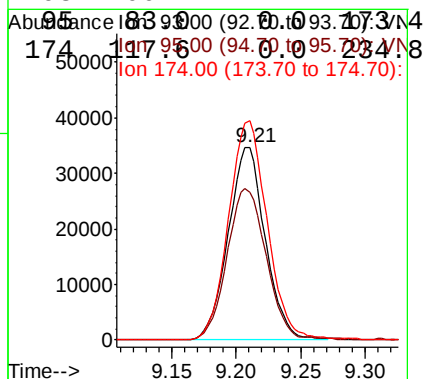
Tgt Ion: 93 Resp: 69661

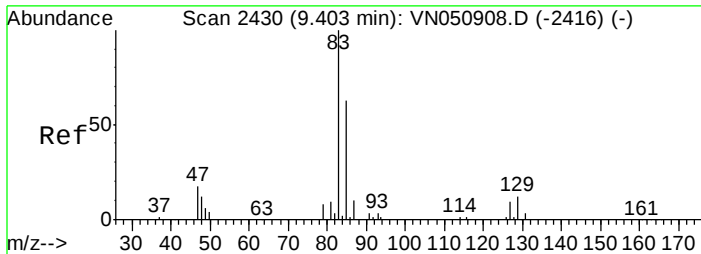
Ion Ratio Lower Upper

93 100

95 83.0 70.0 93.4

174 117.6 60.0 234.8





#41

Bromodichloromethane

Concen: 17.430 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Instrument :

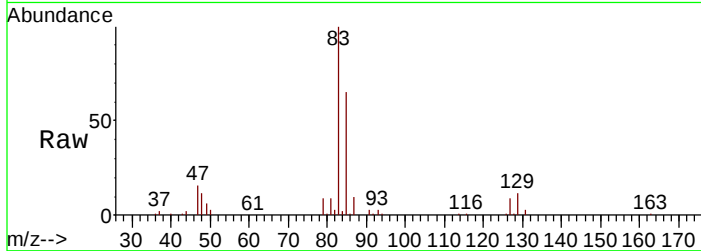
MSVOA_N

ClientSampleId :

VN0918WBS01

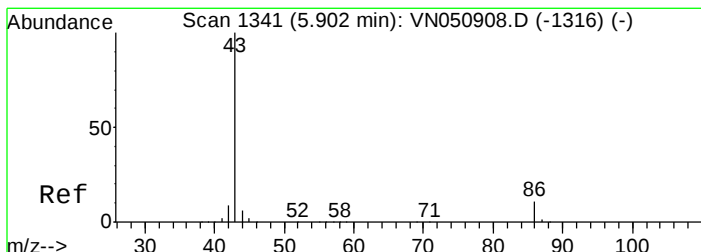
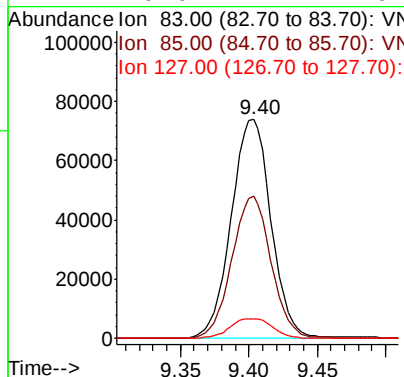
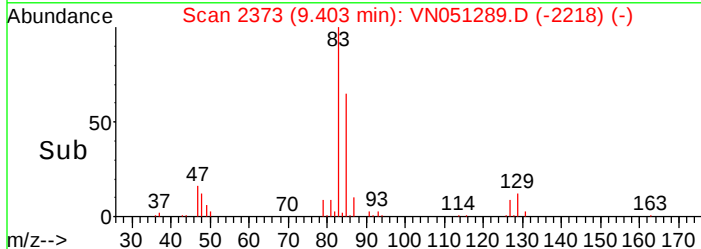
Manual Integrations
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Tgt Ion: 83 Resp: 148813

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.6	76.0
127	9.0	7.1	10.7



#42

Vinyl Acetate

Concen: 77.886 ug/l

RT: 5.90 min Scan# 1282

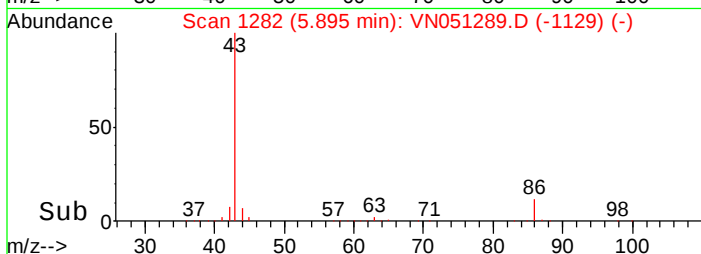
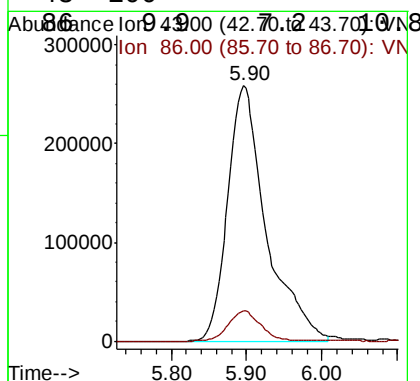
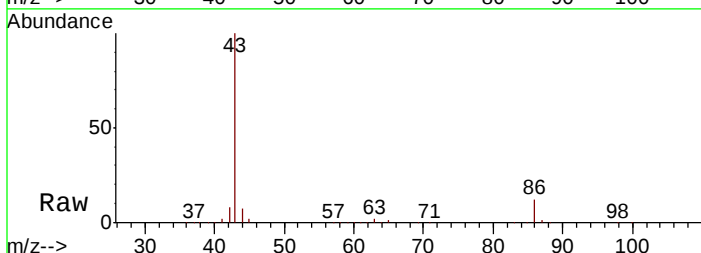
Delta R.T. -0.01 min

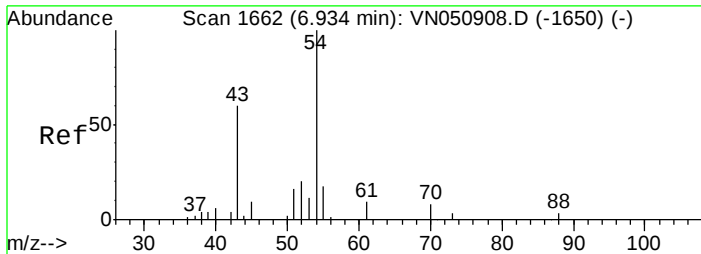
Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Tgt Ion: 43 Resp: 918397

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.2	10.8





#43

Ethyl Acetate

Concen: 13.957 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Tgt Ion: 43 Resp: 73197

Ion Ratio Lower Upper

43 100

45 14.9 10.2 15.2

Instrument :

MSVOA_N

ClientSampleId :

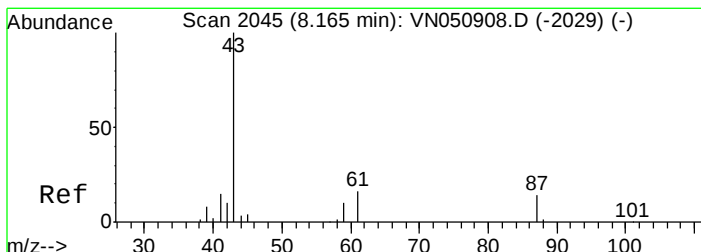
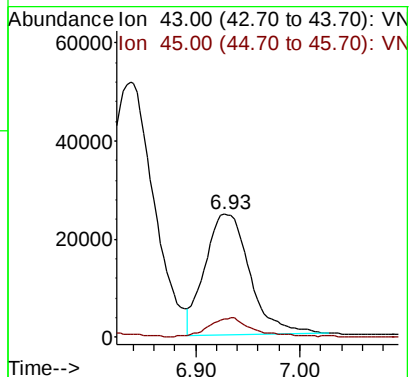
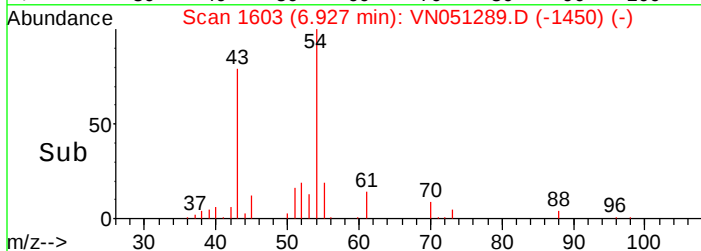
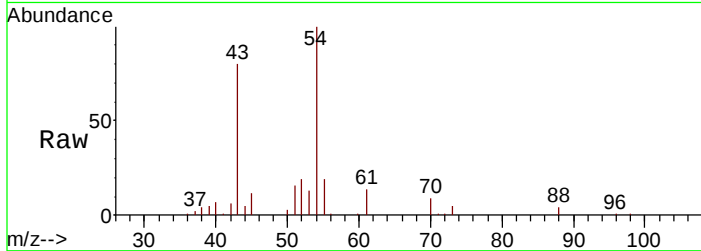
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#44

Isopropyl Acetate

Concen: 14.050 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051289.D

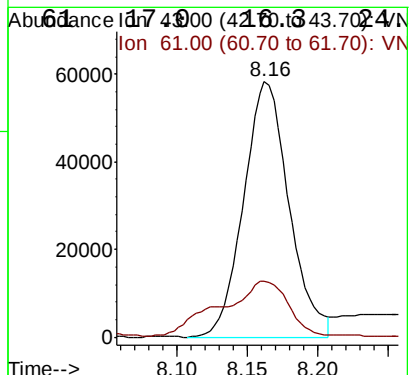
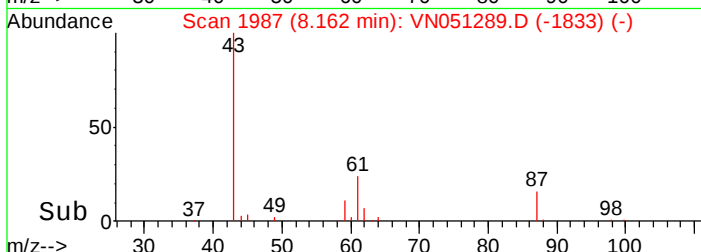
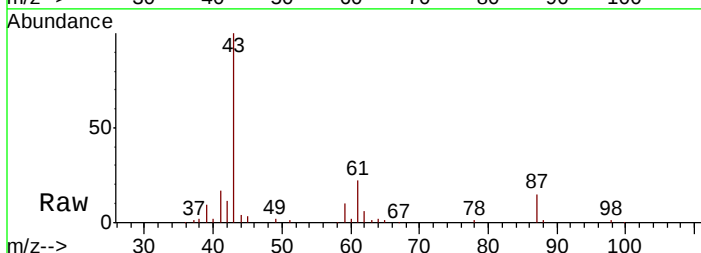
Acq: 18 Sep 2018 11:44

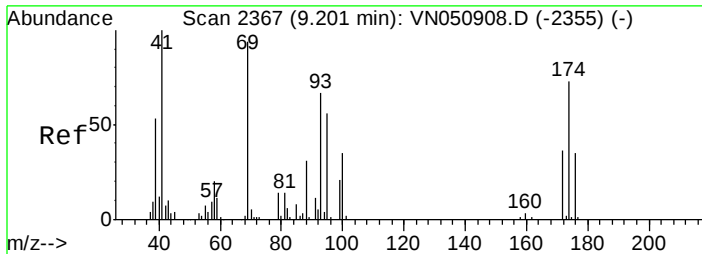
Tgt Ion: 43 Resp: 130019

Ion Ratio Lower Upper

43 100

61 17.0 11.6 24.5



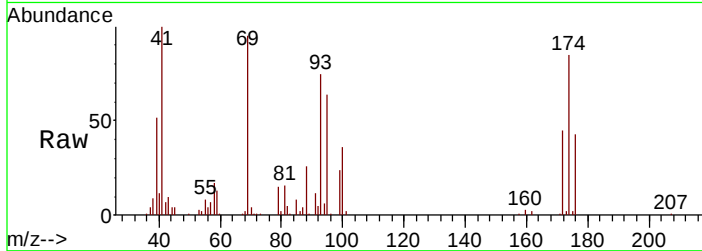


#45
 1,4-Dioxane
 Concen: 262.356 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

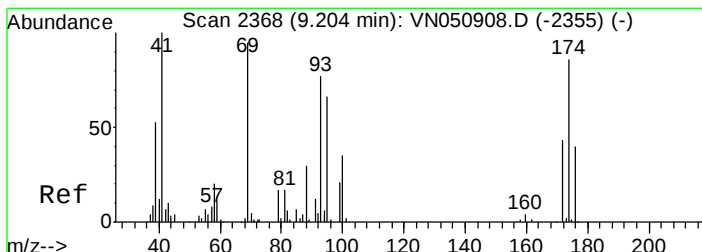
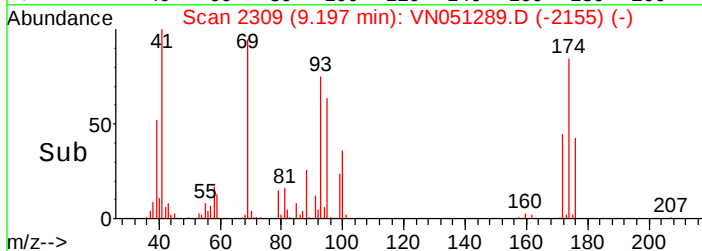
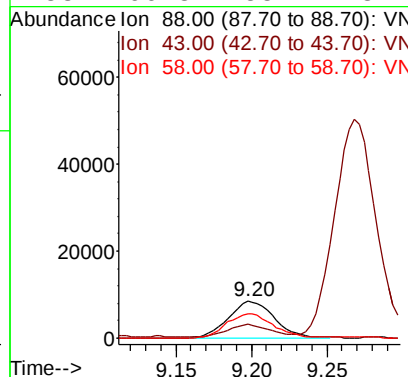
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

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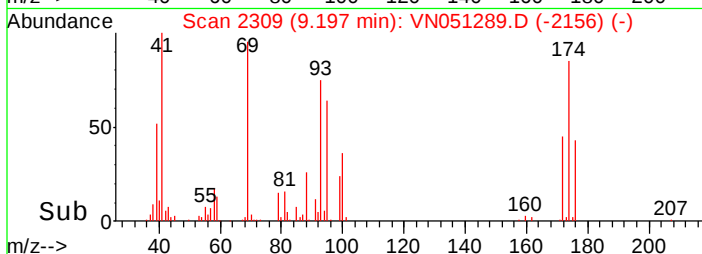
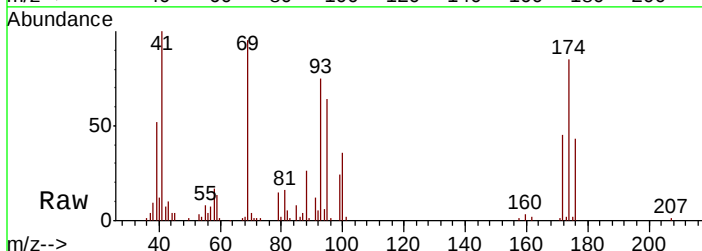
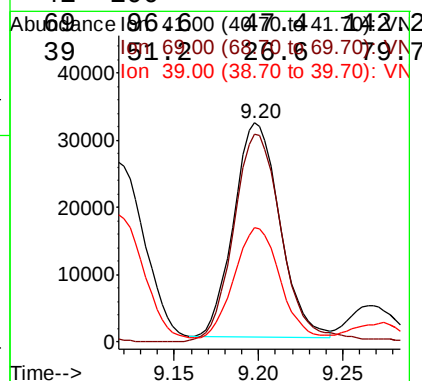


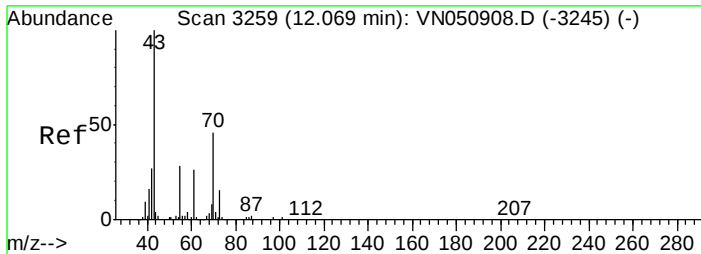
Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.1	23.5	35.3
58	66.8	55.2	82.8



#46
 Methyl methacrylate
 Concen: 13.106 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.01 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Tgt Ion	Ratio	Lower	Upper
41	100		





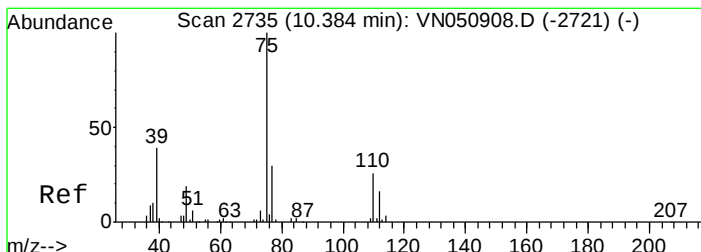
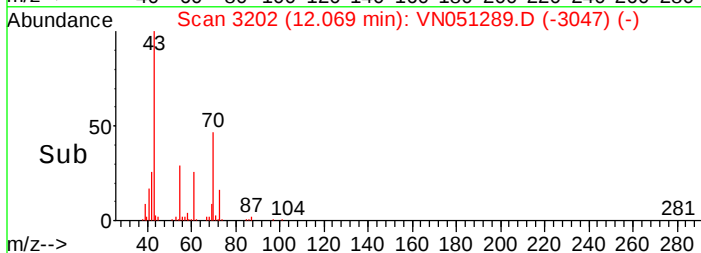
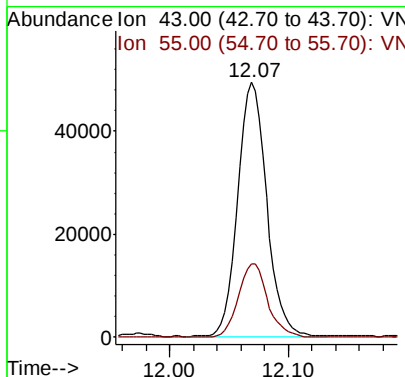
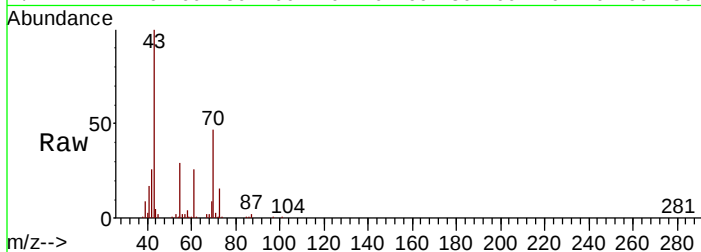
#47
n-amy1 Acetate
Concen: 11.506 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

Tgt Ion: 43 Resp: 85606
Ion Ratio Lower Upper
43 100
55 28.8 23.0 34.4

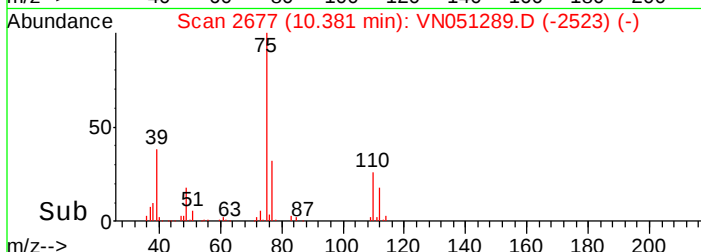
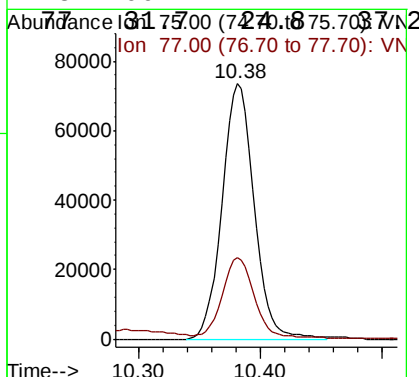
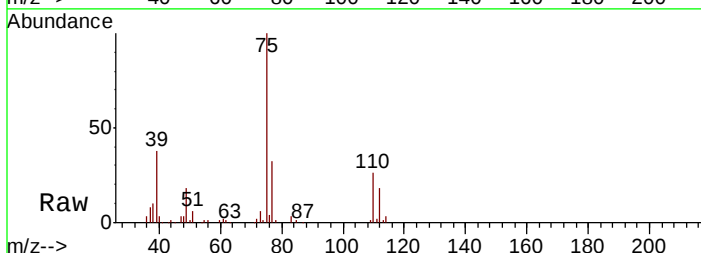
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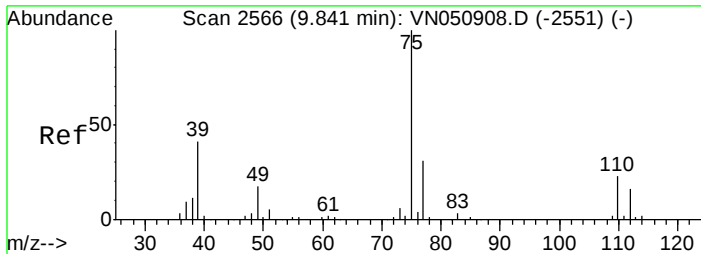
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#48
t-1,3-Dichloropropene
Concen: 16.264 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Tgt Ion: 75 Resp: 136110
Ion Ratio Lower Upper
75 100





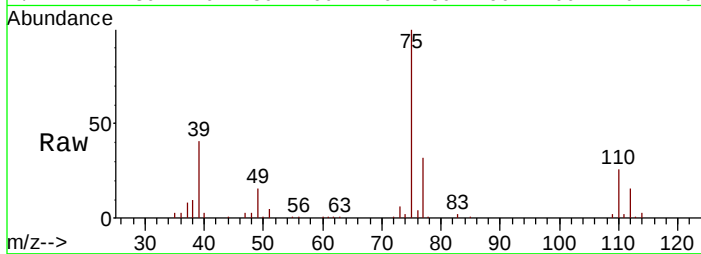
#49
 cis-1,3-Dichloropropene
 Concen: 17.189 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

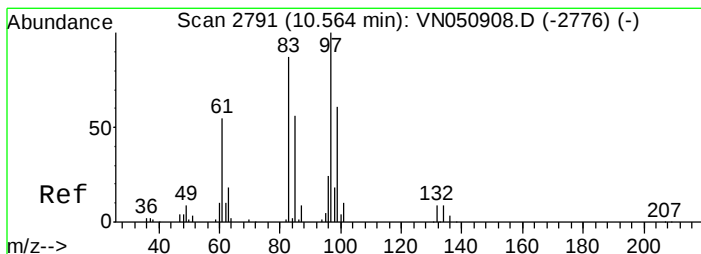
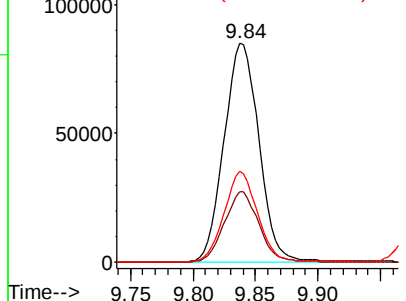
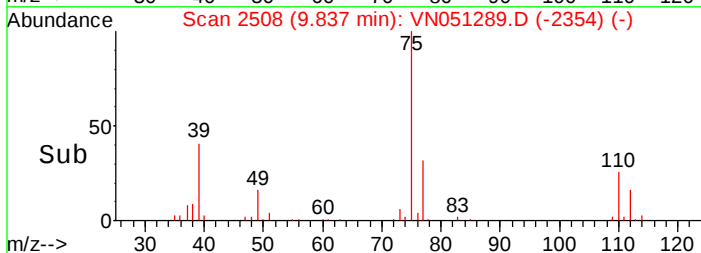
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Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.4
39	41.2	32.9	49.3

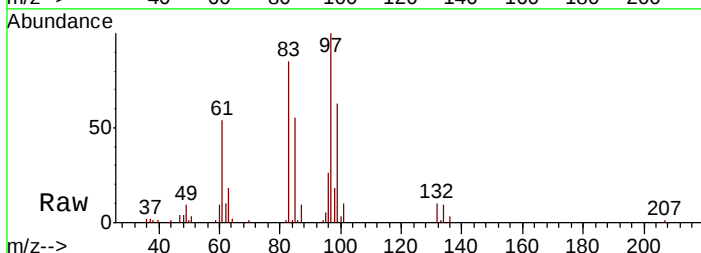


Abundance Ion 75.00 (74.70 to 75.70): VN
 Ion 77.00 (76.70 to 77.70): VN
 Ion 39.00 (38.70 to 39.70): VN

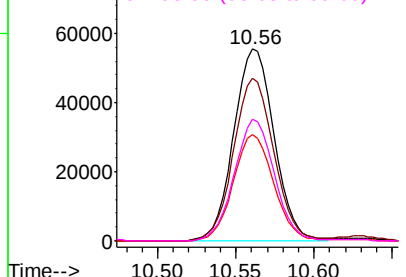
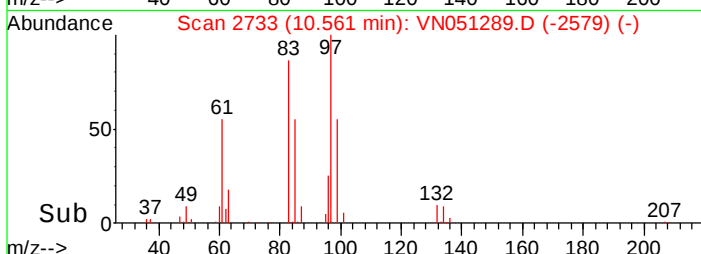


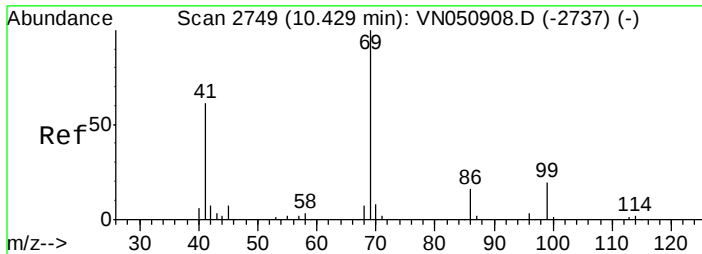
#50
 1,1,2-Trichloroethane
 Concen: 16.895 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Tgt Ion	Ratio	Lower	Upper
97	100		



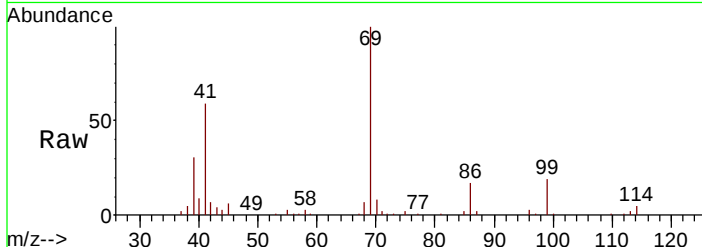
Abundance Ion 10.56 (10.51 to 10.61): VN
 Ion 84.95 (84.65 to 85.25): VN
 Ion 82.95 (82.65 to 83.25): VN
 Ion 85.95 (85.65 to 86.25): VN
 Ion 98.95 (98.65 to 99.25): VN





#51
 Ethyl methacrylate
 Concen: 14.331 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

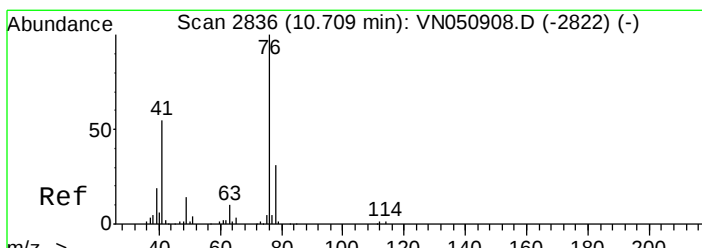
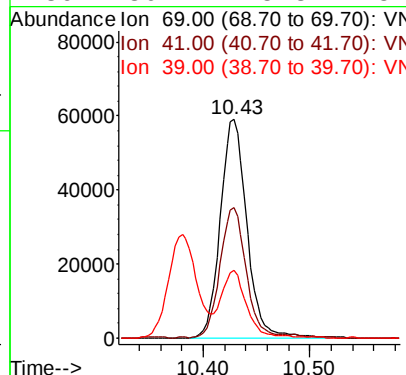
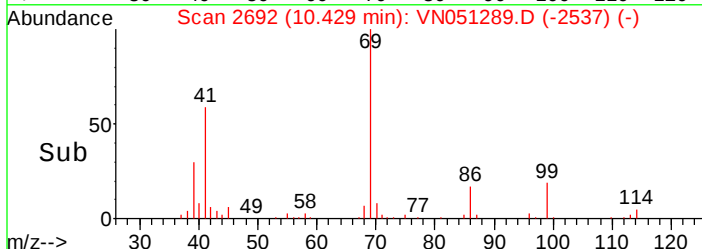
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01



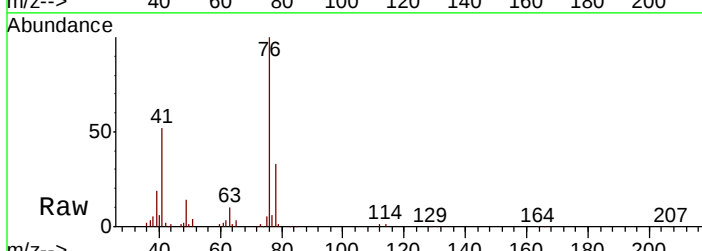
Tgt Ion: 69 Resp: 103187
 Ion Ratio Lower Upper
 69 100
 41 59.1 30.5 91.5
 39 30.7 15.3 45.8

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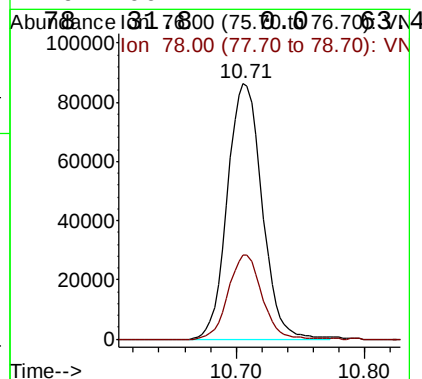
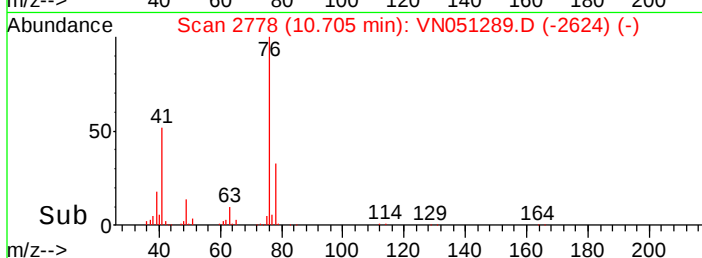
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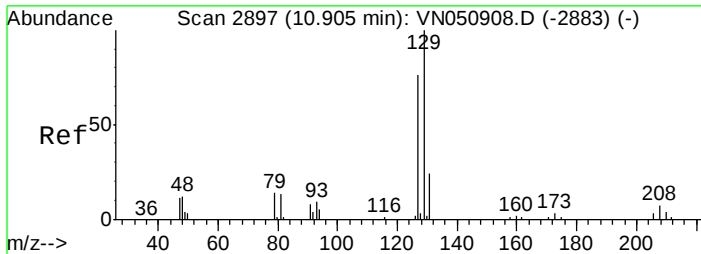


#52
 1,3-Dichloropropane
 Concen: 16.514 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44



Tgt Ion: 76 Resp: 160968
 Ion Ratio Lower Upper
 76 100
 78 31.7 16.0 49.4
 63 17.8 9.1 33.4





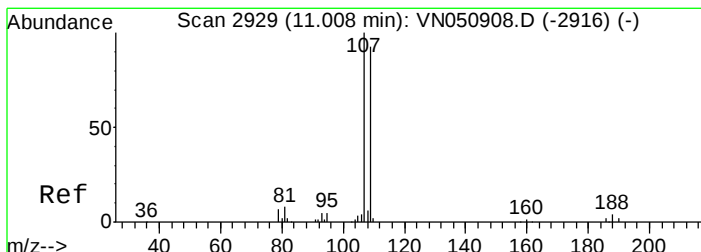
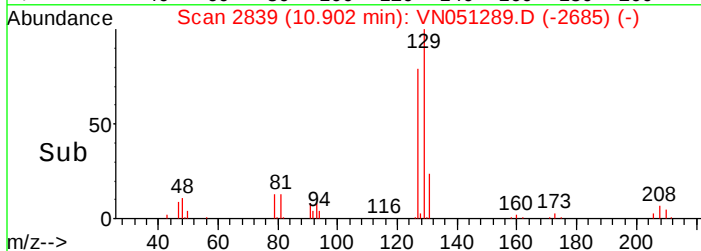
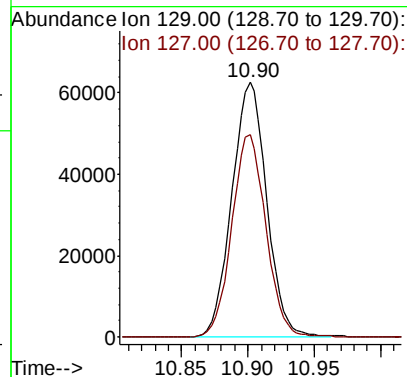
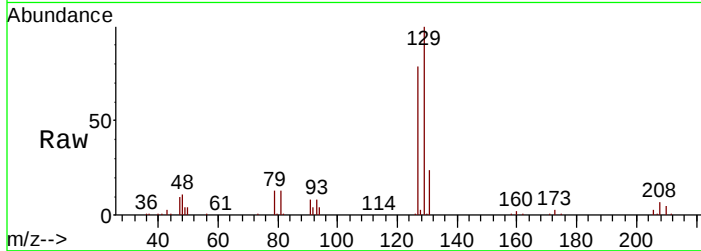
#53
Dibromochloromethane
Concen: 17.116 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

Tgt Ion:129 Resp: 114530
Ion Ratio Lower Upper
129 100
127 77.1 39.0 116.9

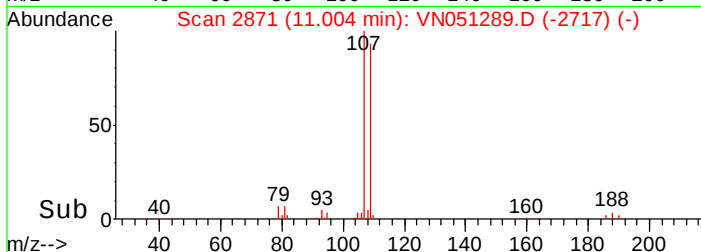
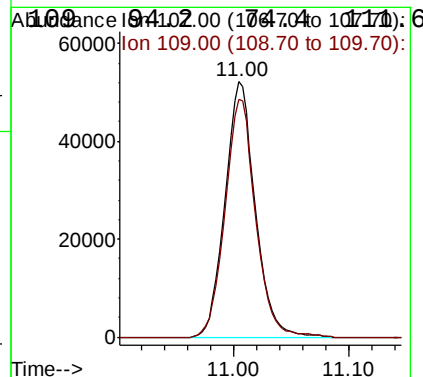
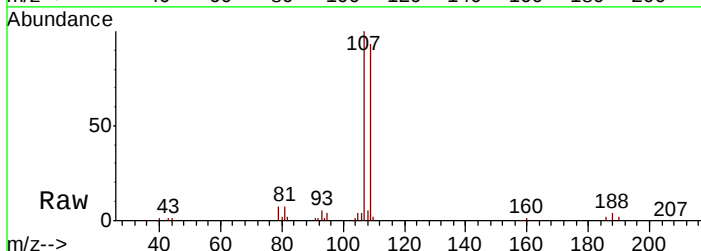
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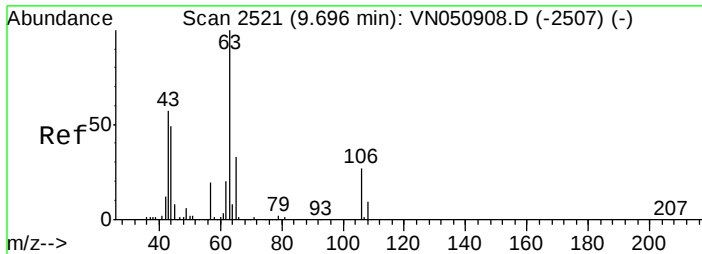
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#54
1,2-Dibromoethane
Concen: 16.282 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Tgt Ion:107 Resp: 94743
Ion Ratio Lower Upper
107 100





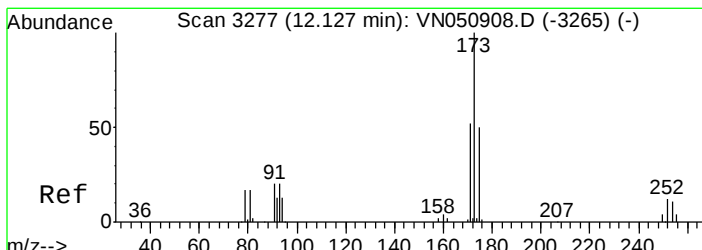
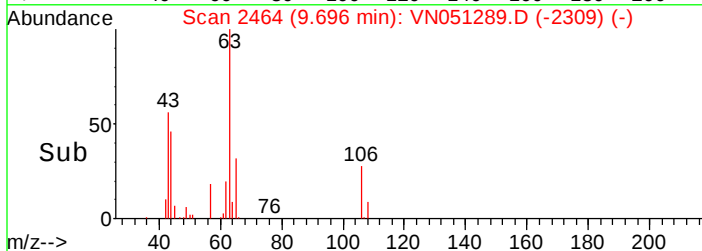
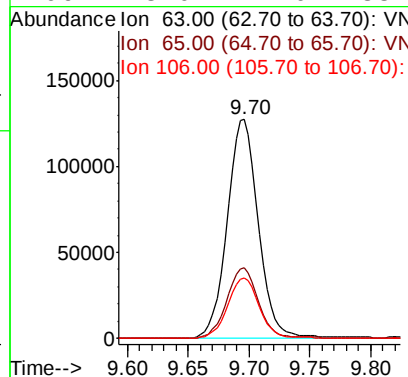
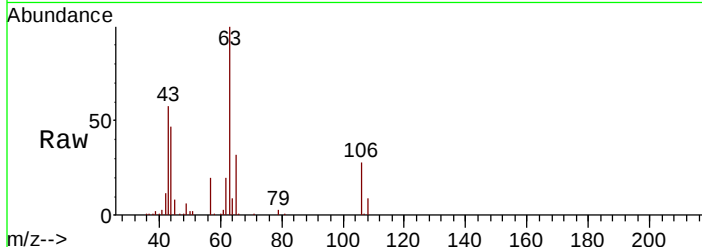
#55
 2-Chloroethyl vinyl ether
 Concen: 76.455 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

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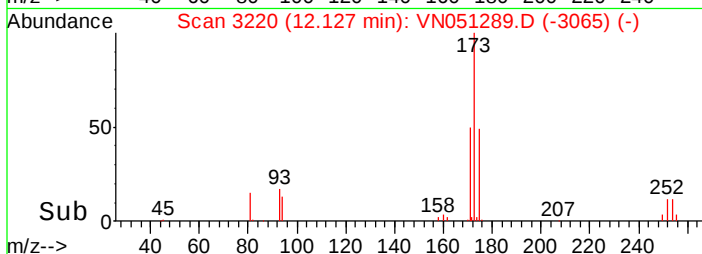
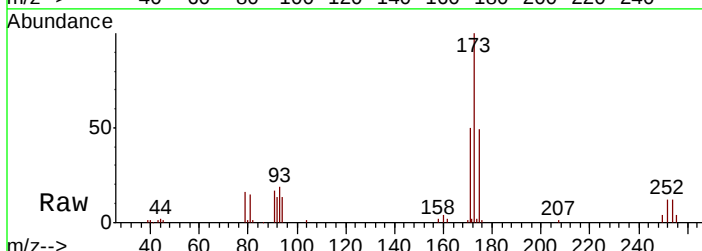
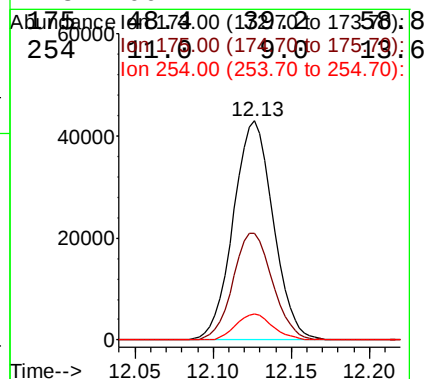
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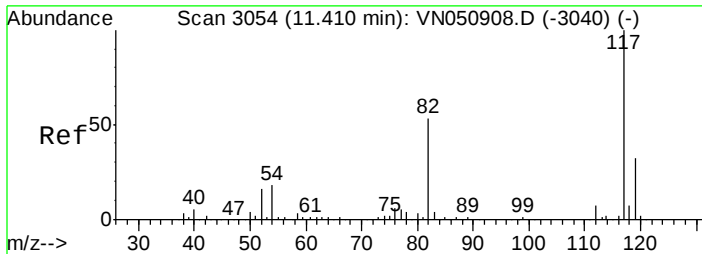
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.4	38.2
106	28.0	22.0	33.0



#56
 Bromoform
 Concen: 16.013 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Tgt Ion	Ratio	Lower	Upper
173	100		





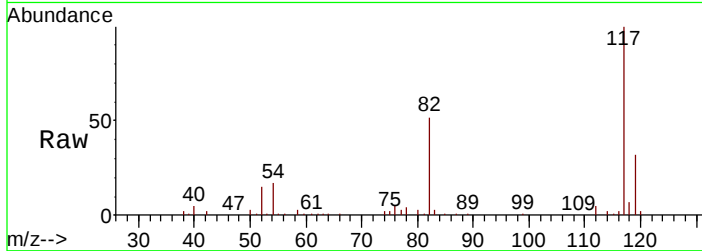
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.6	64.0
119	32.2	25.7	38.5

Manual Integrations
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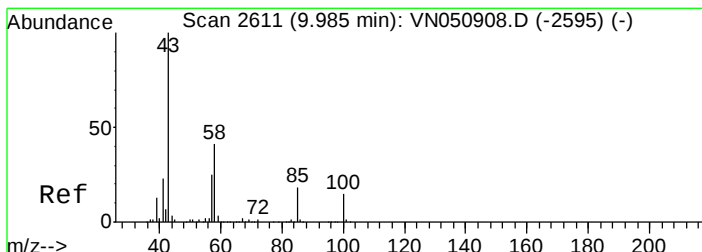
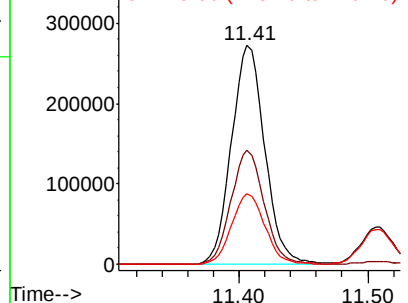
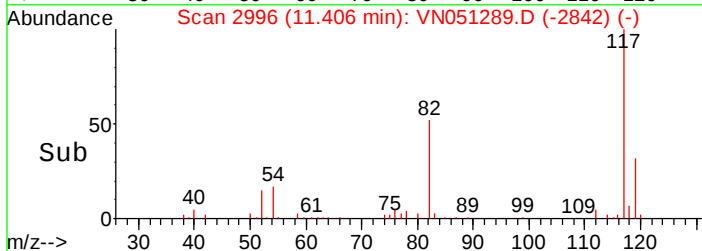


Abundance

Ion 117.00 (116.70 to 117.70):

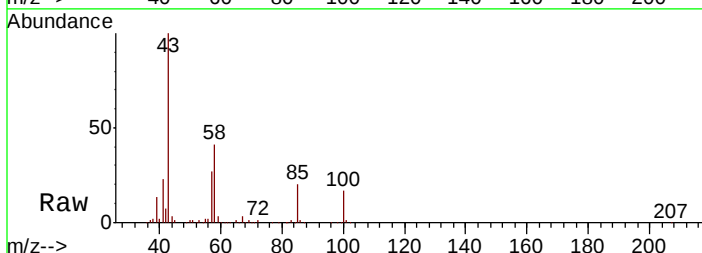
Ion 82.00 (81.70 to 82.70): VN

Ion 119.00 (118.70 to 119.70):



#58
4-Methyl-2-Pentanone
Concen: 63.009 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Tgt Ion	Ratio	Lower	Upper
43	100		

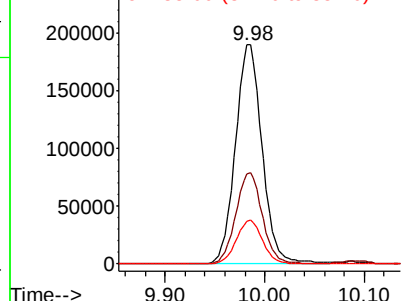
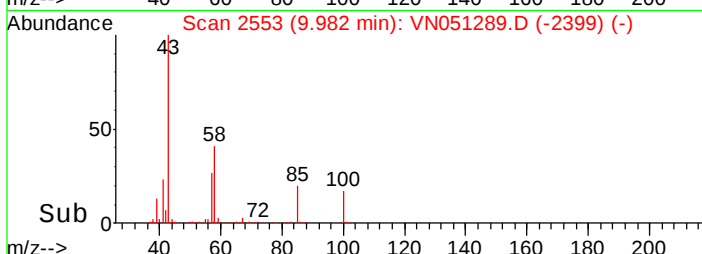


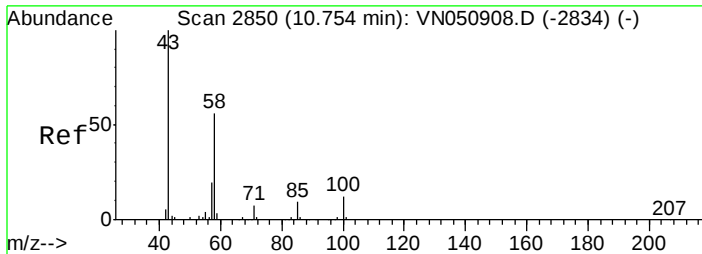
Abundance

Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

Ion 85.00 (84.70 to 85.70): VN





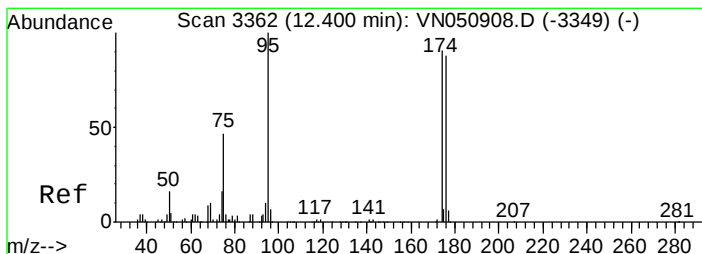
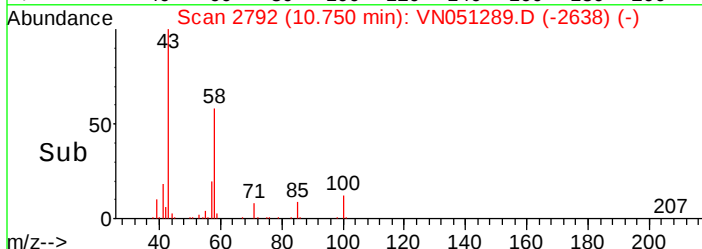
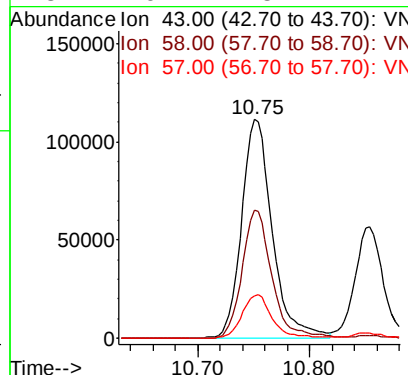
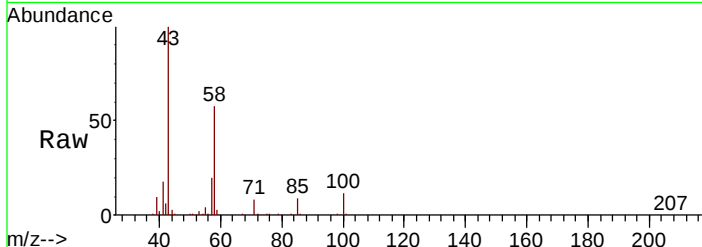
#59
2-Hexanone
Concen: 57.905 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.6	45.5	68.3
57	19.2	15.2	22.8

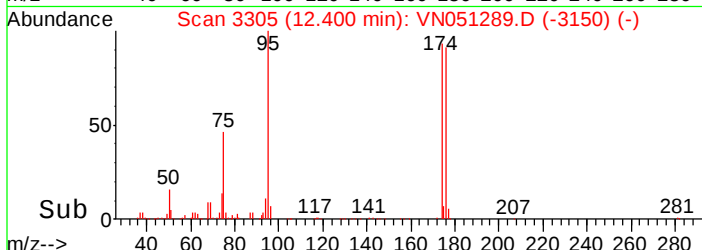
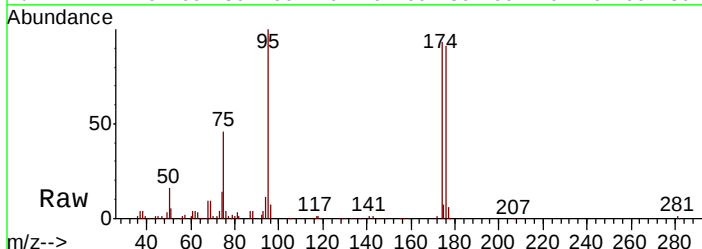
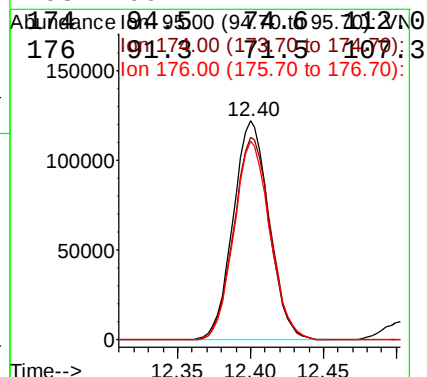
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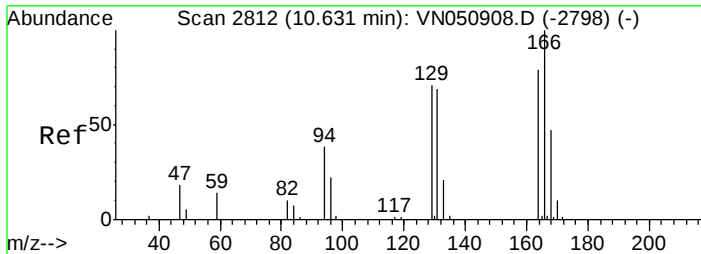
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 28.709 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Tgt Ion	Ratio	Lower	Upper
95	100		





#61

Tetrachloroethene

Concen: 18.897 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051289.D

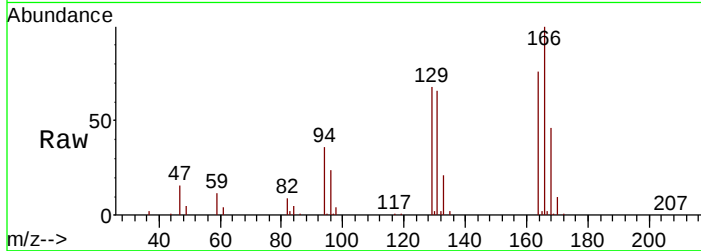
Acq: 18 Sep 2018 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01



Tgt Ion: 164 Resp: 114977

Ion Ratio Lower Upper

164 100

166 130.9 100.6 151.0

129 88.6 71.0 106.6

166 161.85 (161.53 to 166.53): 9

Ion 165.80 (165.50 to 166.50):

Ion 128.90 (128.60 to 129.60):

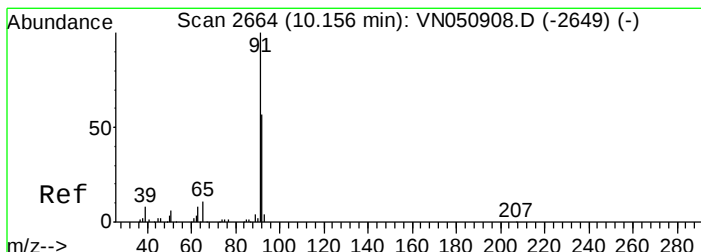
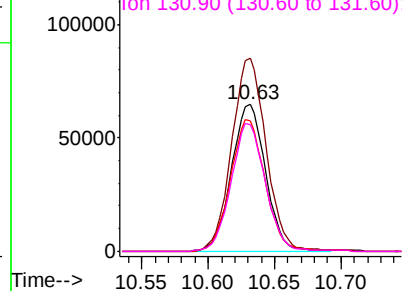
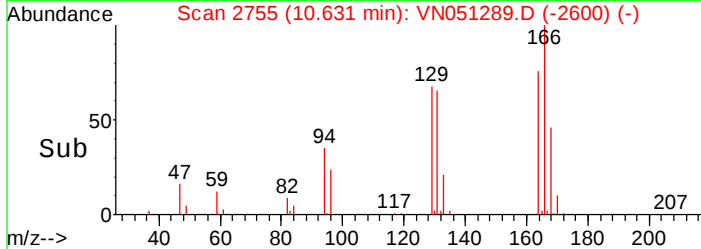
Ion 130.90 (130.60 to 131.60):

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#62

Toluene

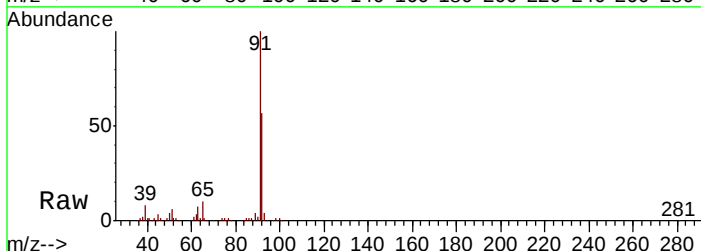
Concen: 17.798 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44



Tgt Ion: 91 Resp: 484823

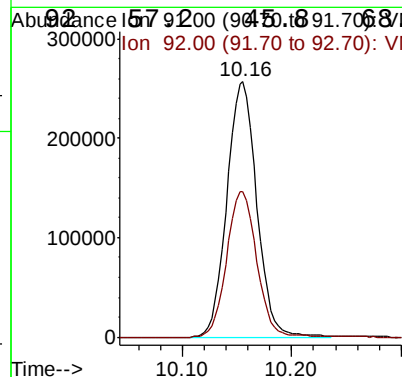
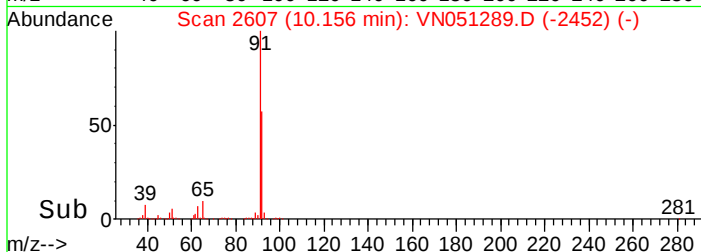
Ion Ratio Lower Upper

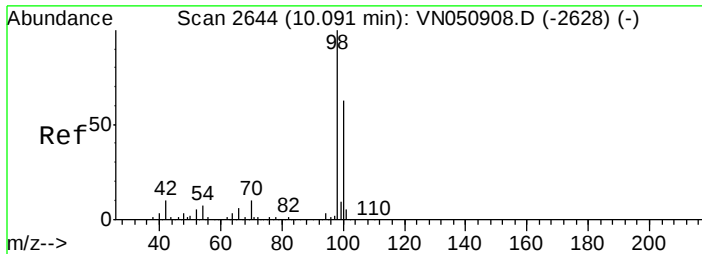
91 100

91 57.200 (91.10 to 91.70): VN

Ion 92.00 (91.70 to 92.70): VN

10.16





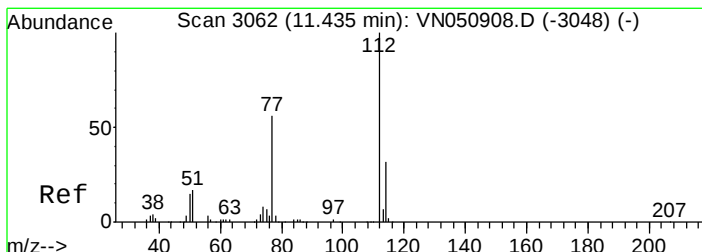
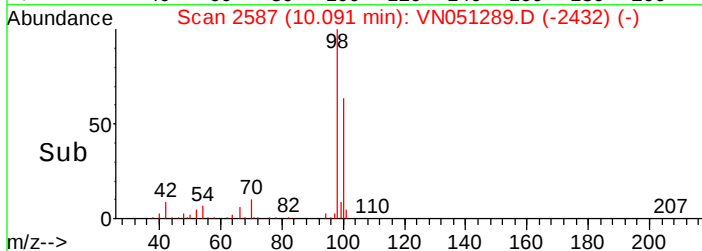
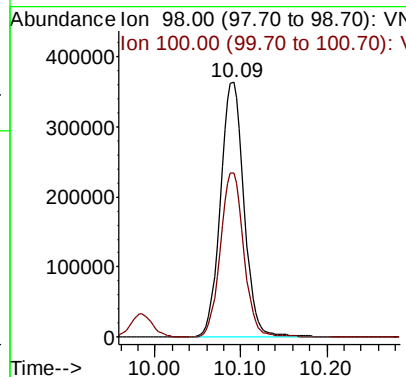
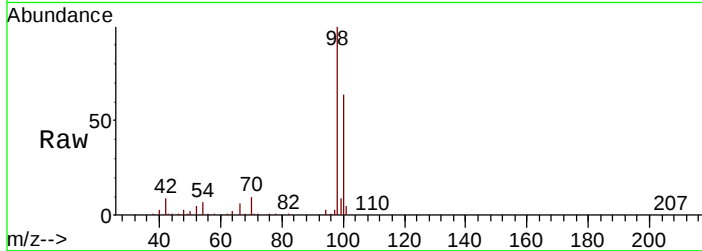
#63
Toluene-d8
Concen: 30.444 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

Tgt Ion: 98 Resp: 693201
Ion Ratio Lower Upper
98 100
100 63.9 50.6 75.8

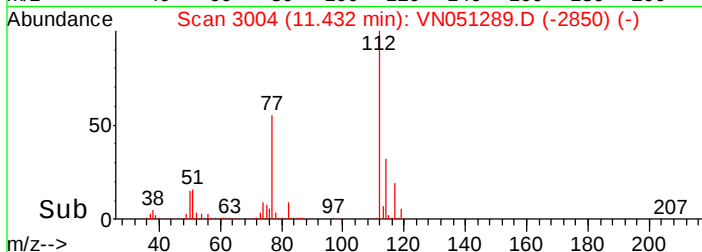
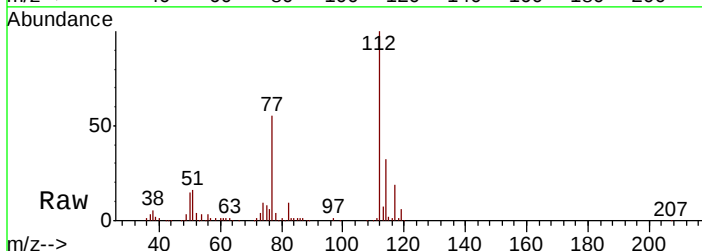
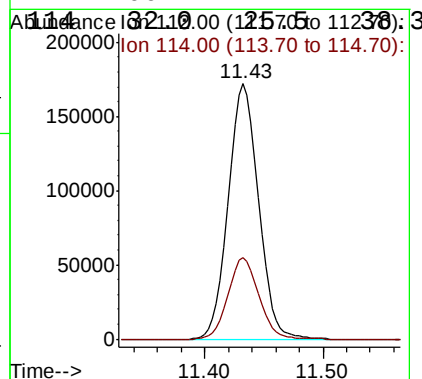
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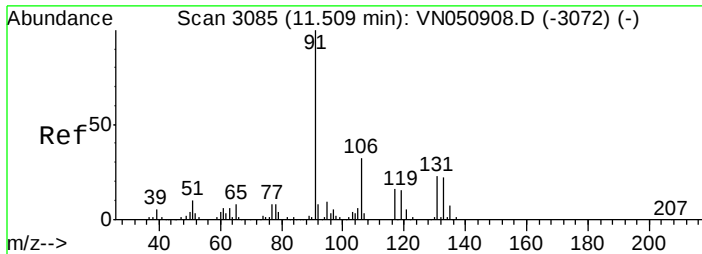
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#64
Chlorobenzene
Concen: 18.021 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Tgt Ion: 112 Resp: 304231
Ion Ratio Lower Upper
112 100





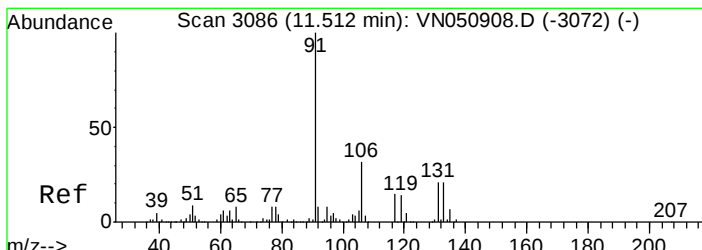
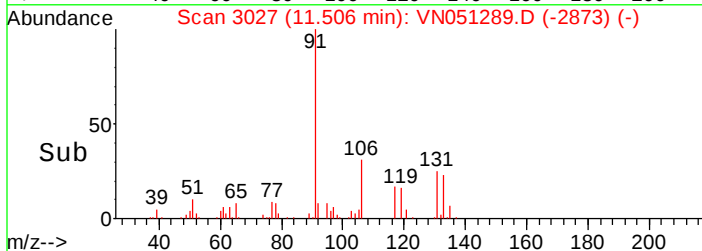
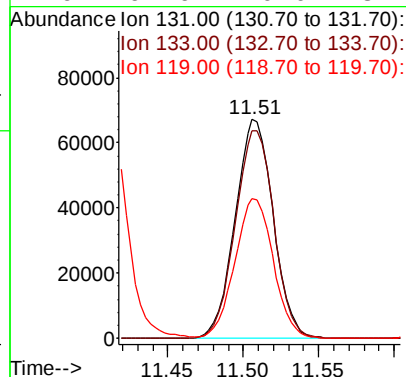
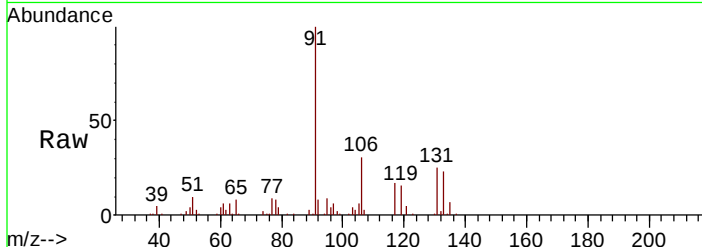
#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.408 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

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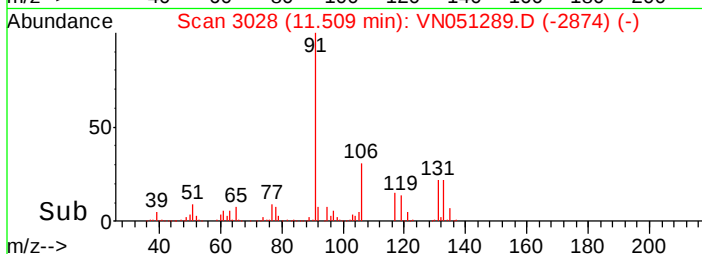
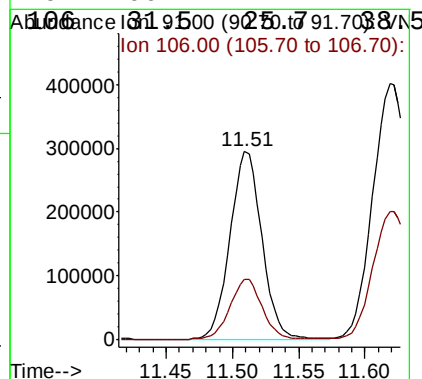
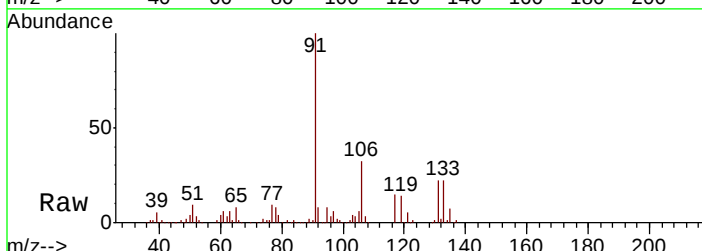
MMDadoda
 9/19/2018 2:57:06 PM

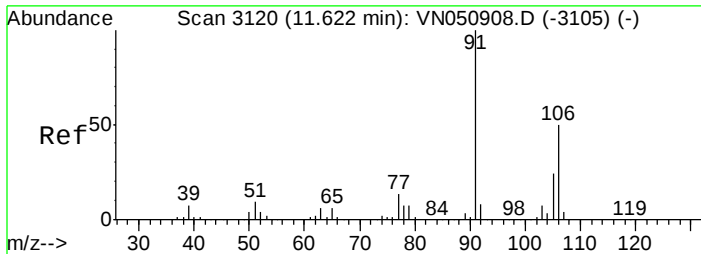
Tgt Ion	Ratio	Resp	Lower	Upper
131	100	117335		
133	96.4	0.0	189.4	
119	64.6	0.0	132.2	



#66
 Ethyl Benzene
 Concen: 17.384 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	490504		





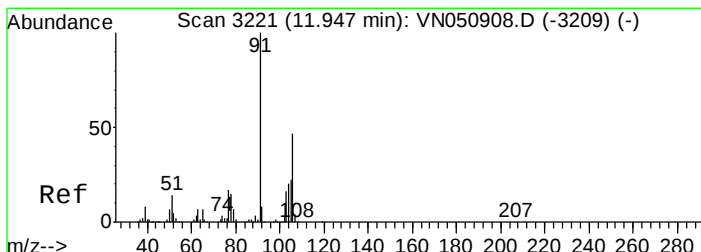
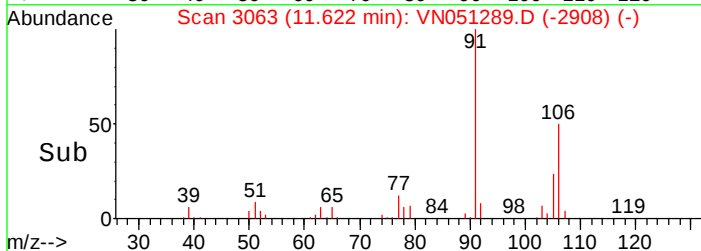
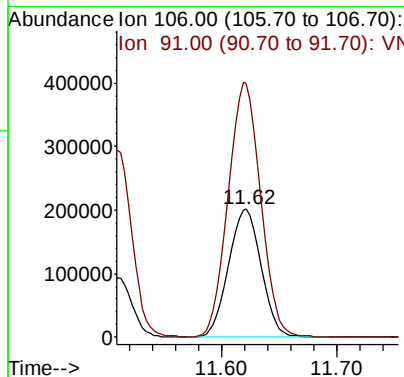
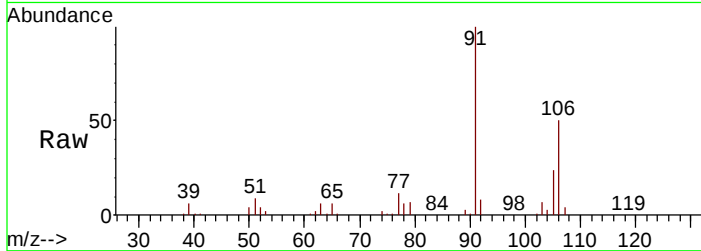
#67
m/p-Xylenes
Concen: 36.490 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

Tgt Ion:106 Resp: 396150
Ion Ratio Lower Upper
106 100
91 198.2 160.6 241.0

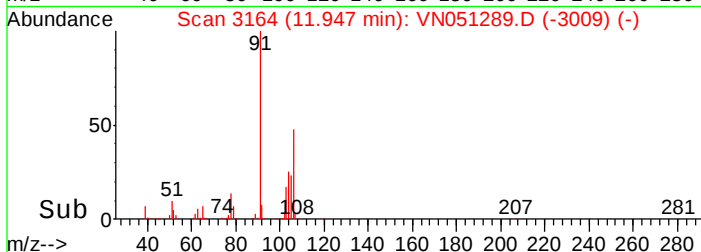
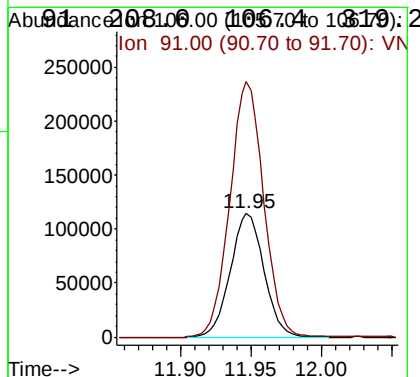
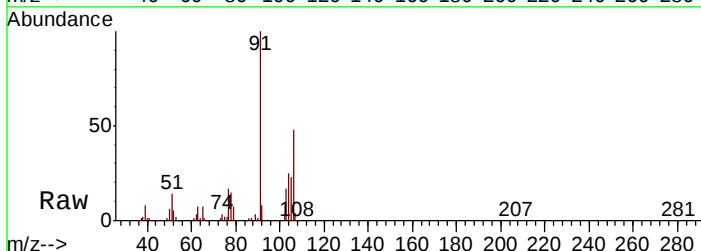
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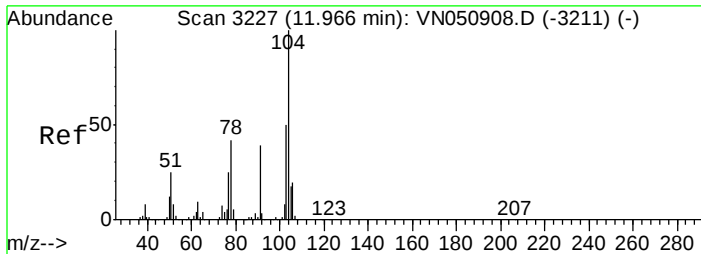
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#68
o-Xylene
Concen: 18.174 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Tgt Ion:106 Resp: 188526
Ion Ratio Lower Upper
106 100





#69

Styrene

Concen: 17.262 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Instrument :

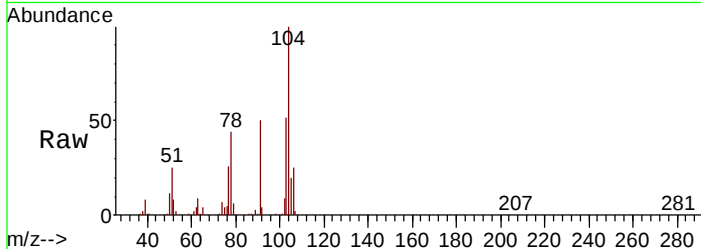
MSVOA_N

ClientSampleId :

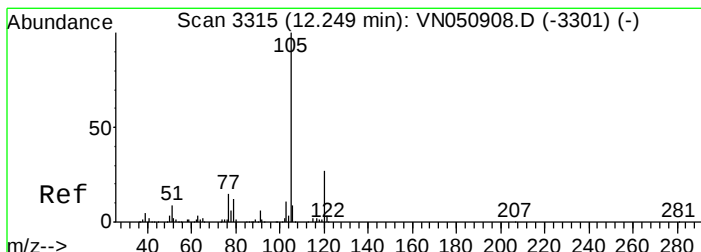
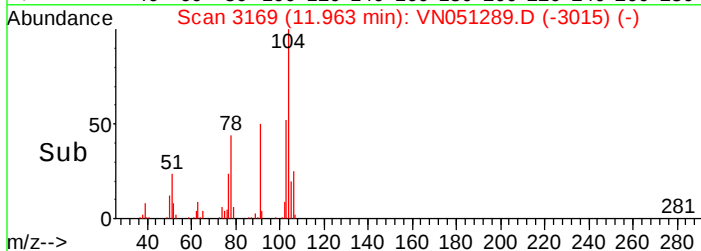
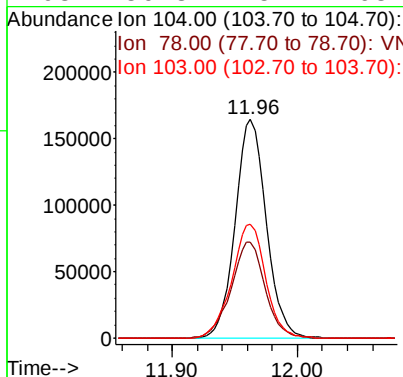
VN0918WBS01

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Tgt Ion:	104	Resp:	284705
Ion Ratio	Lower	Upper	
104	100		
78	48.0	38.6	58.0
103	56.3	45.4	68.2



#70

Isopropylbenzene

Concen: 17.955 ug/l

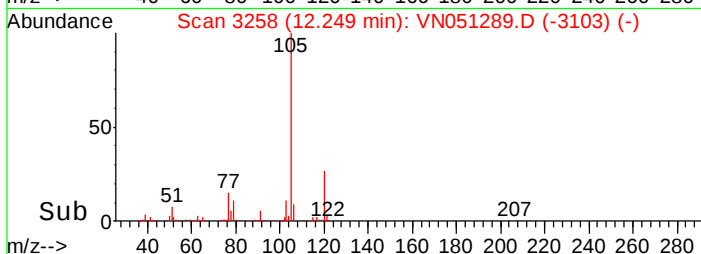
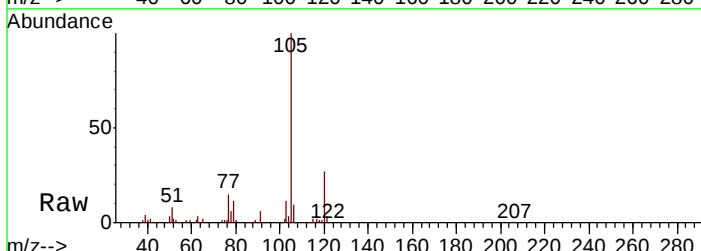
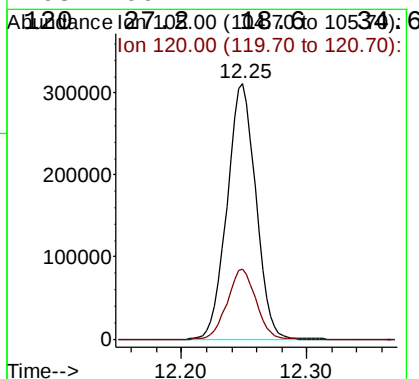
RT: 12.25 min Scan# 3258

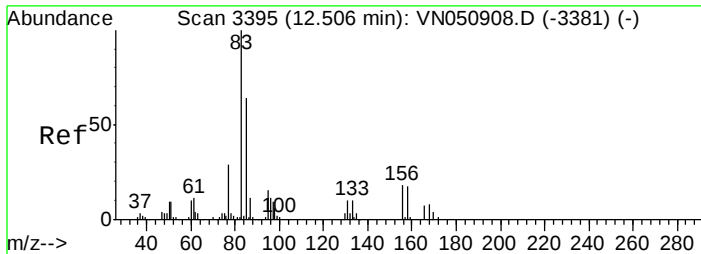
Delta R.T. -0.00 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Tgt Ion:	105	Resp:	494916
Ion Ratio	Lower	Upper	
105	100		





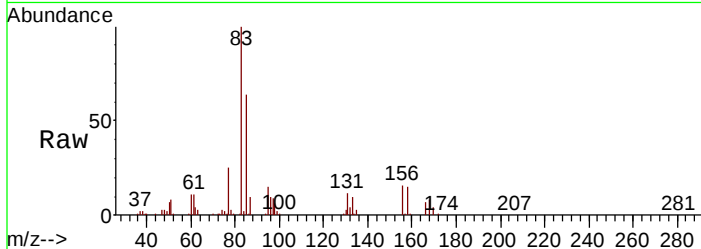
#71
 1,1,2,2-Tetrachloroethane
 Concen: 15.360 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.3	15.9
85	63.6	32.3	96.9

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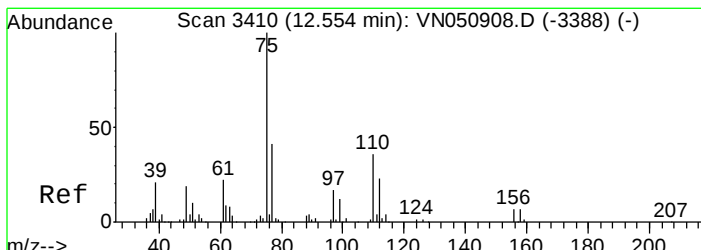
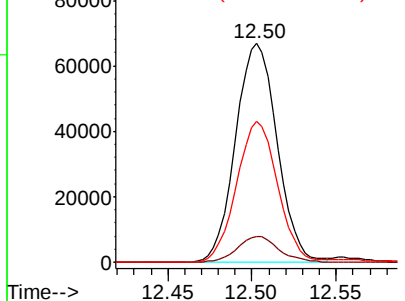
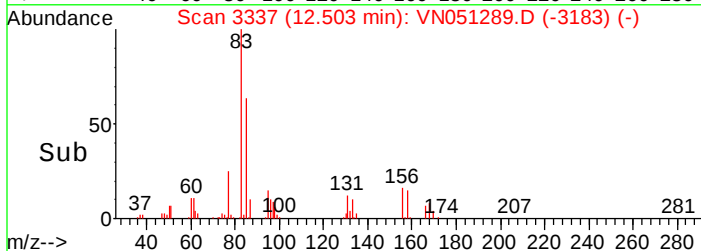


Abundance

Ion 83.00 (82.70 to 83.70): VN

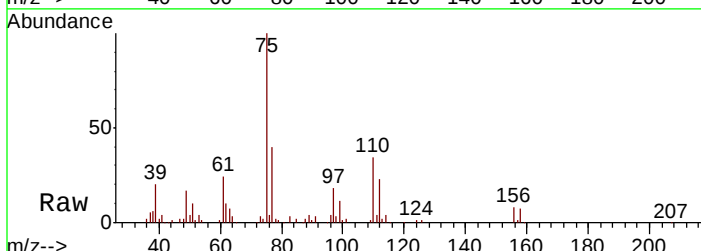
Ion 131.00 (130.70 to 131.70):

Ion 85.00 (84.70 to 85.70): VN



#72
 1,2,3-Trichloropropane
 Concen: 13.714 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

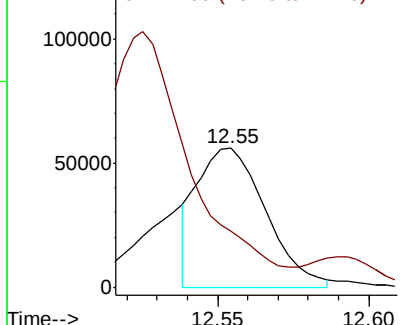
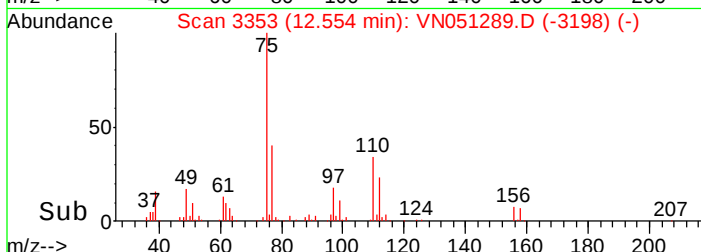
Tgt Ion	Ratio	Lower	Upper
75	100		

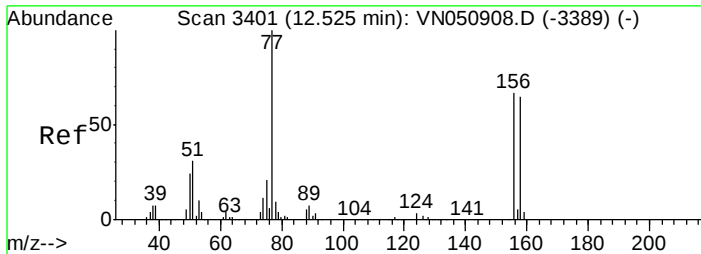


Abundance

Ion 75.00 (74.70 to 75.30): VN

Ion 77.00 (76.70 to 77.70): VN





#73

Bromobenzene

Concen: 17.355 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Tgt Ion: 156 Resp: 125863

Ion Ratio Lower Upper

156 100

77 166.3 0.0 359.4

158 96.8 0.0 194.6

Instrument :

MSVOA_N

ClientSampleId :

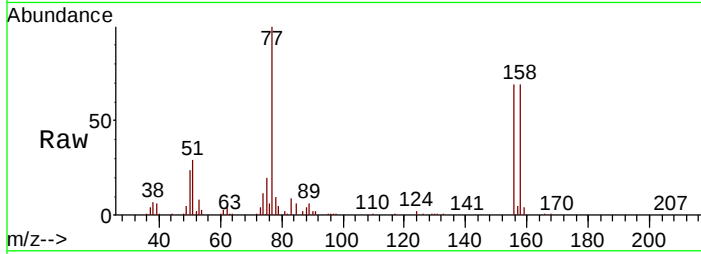
VN0918WBS01

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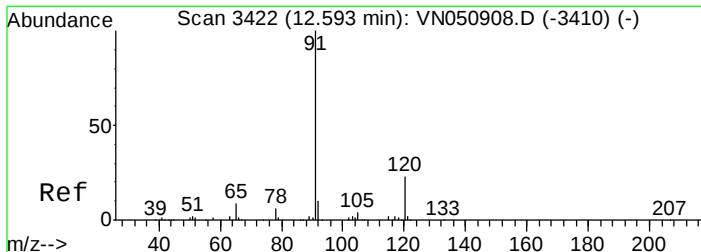
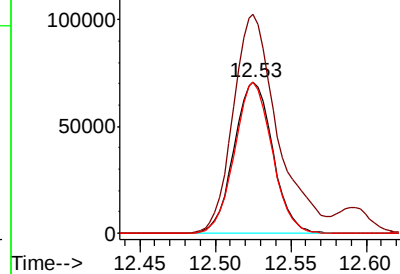
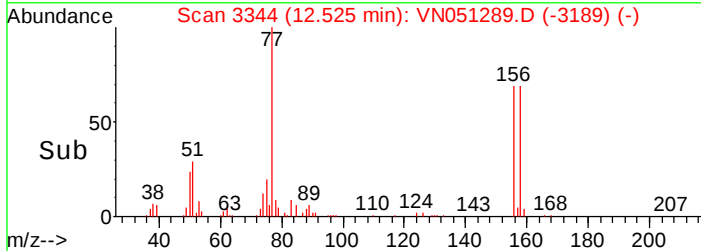


Abundance

Ion 156.00 (155.70 to 156.70):

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70):



#74

n-propylbenzene

Concen: 17.195 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051289.D

Acq: 18 Sep 2018 11:44

Tgt Ion: 91 Resp: 535853

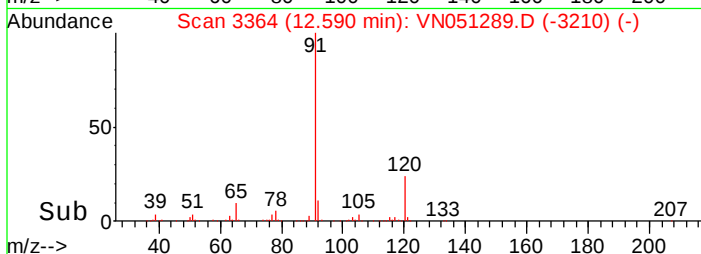
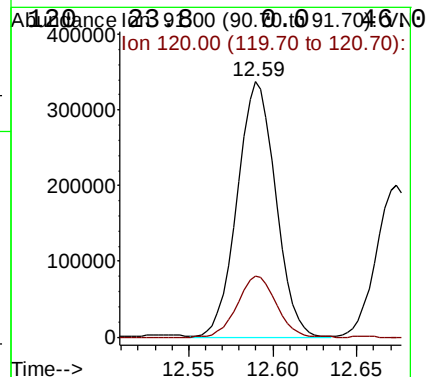
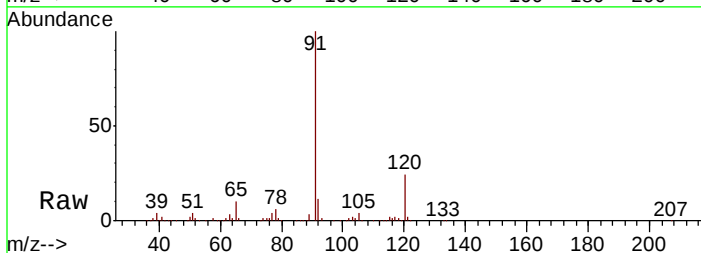
Ion Ratio Lower Upper

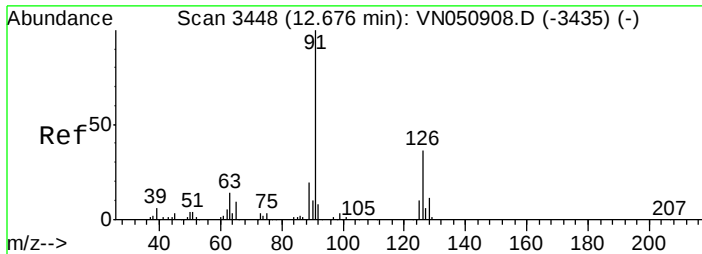
91 100

120 23.8 0.0 46.0

105 9.0 0.0 16.0

133 0.0 0.0 1.0





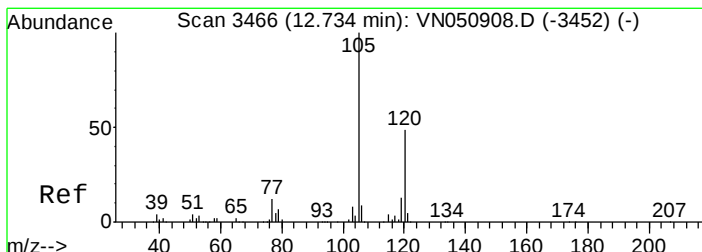
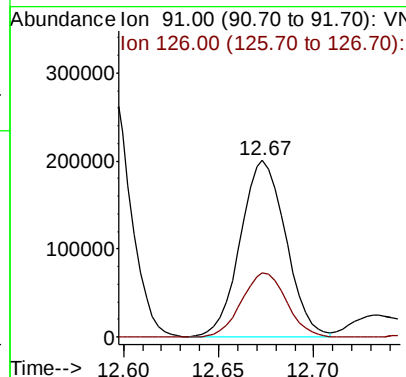
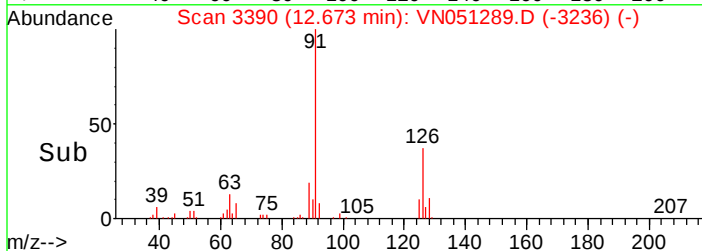
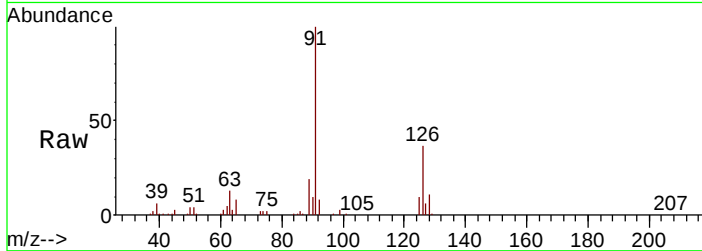
#75
 2-Chlorotoluene
 Concen: 17.599 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Tgt Ion: 91 Resp: 333185
 Ion Ratio Lower Upper
 91 100
 126 35.8 0.0 71.8

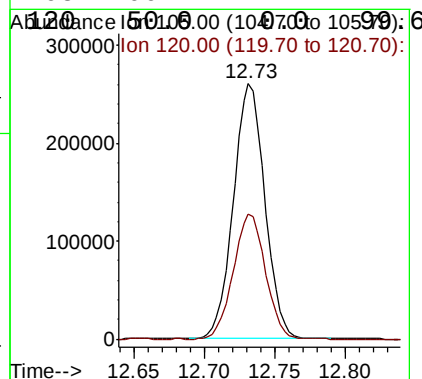
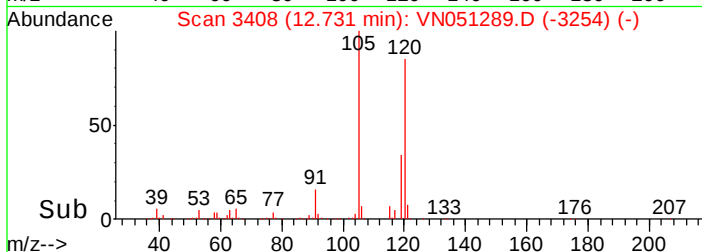
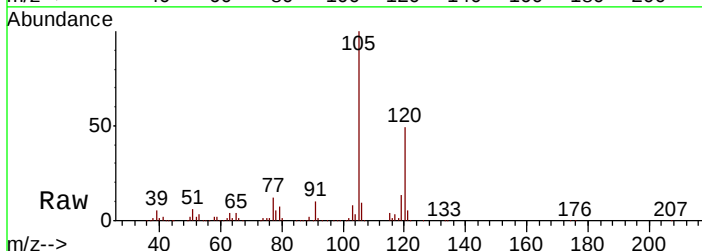
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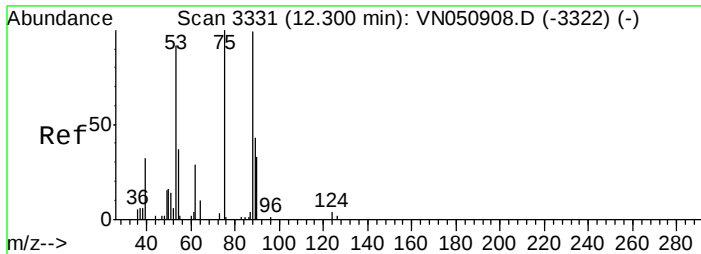
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#76
 1,3,5-Trimethylbenzene
 Concen: 18.012 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

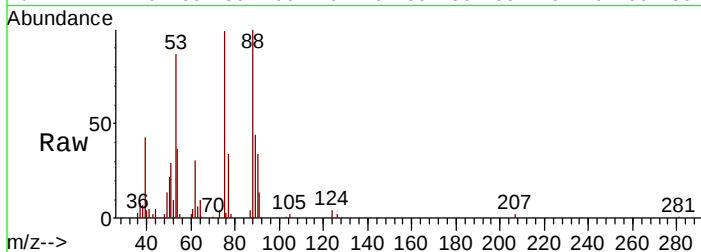
Tgt Ion: 105 Resp: 405728
 Ion Ratio Lower Upper
 105 100





#77
t-1,4-Dichloro-2-butene
Concen: 12.920 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

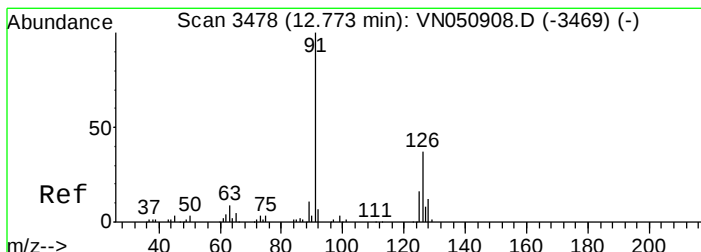
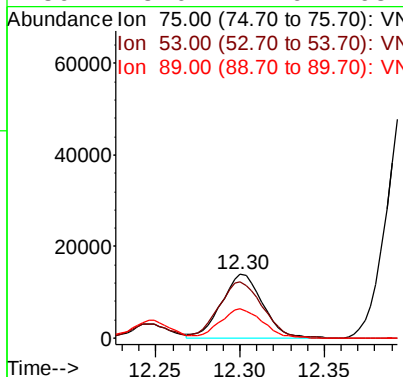
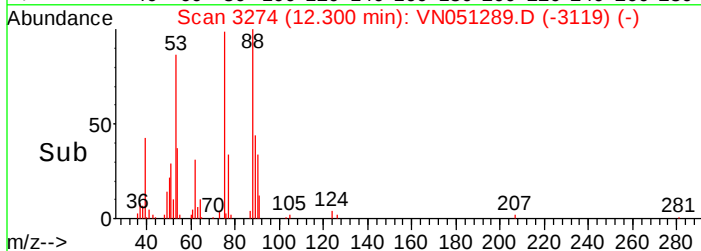
Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01



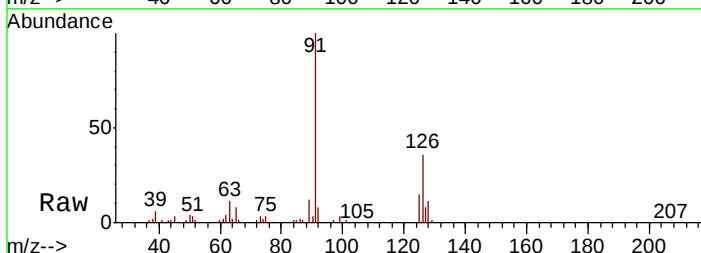
Tgt Ion: 75 Resp: 23699
Ion Ratio Lower Upper
75 100
53 88.2 45.5 136.4
89 45.0 21.9 65.8

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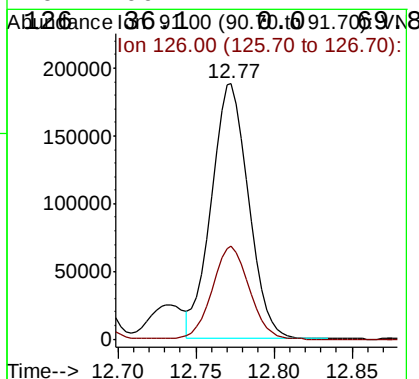
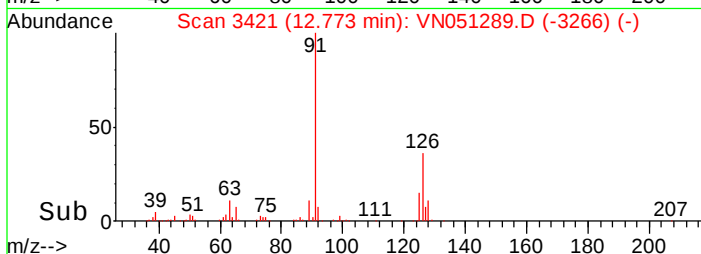
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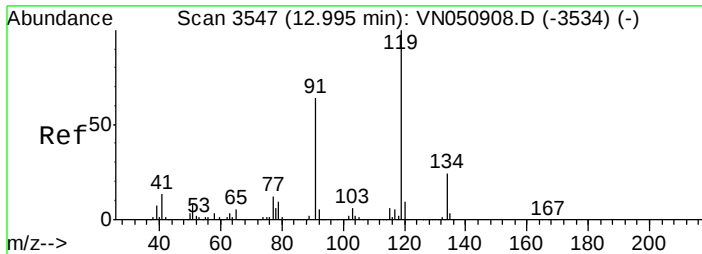


#78
4-Chlorotoluene
Concen: 16.878 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44



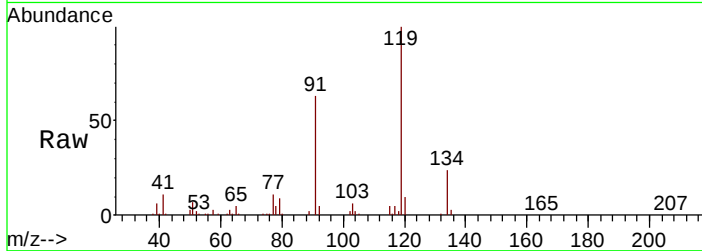
Tgt Ion: 91 Resp: 314639
Ion Ratio Lower Upper
91 100





#79
tert-butylbenzene
Concen: 17.968 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

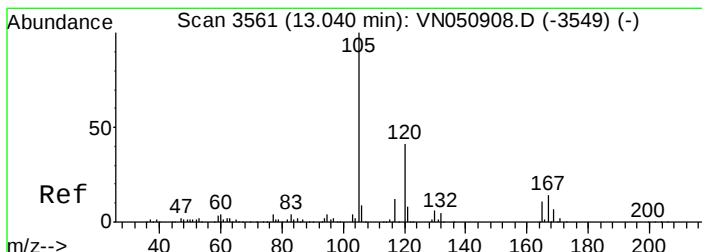
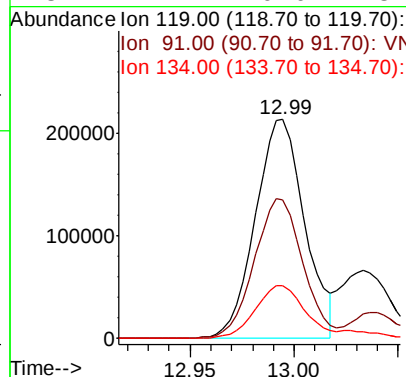
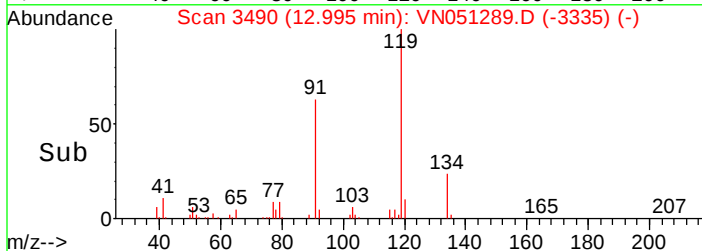
Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01



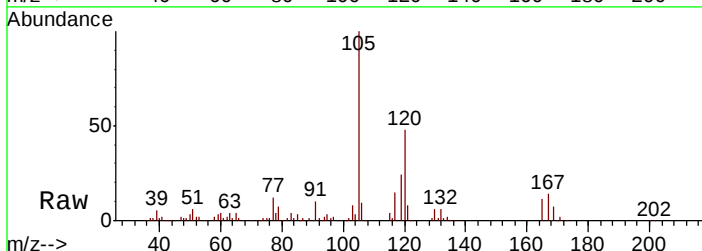
Tgt Ion:119 Resp: 351508
Ion Ratio Lower Upper
119 100
91 62.5 0.0 125.6
134 24.2 0.0 48.4

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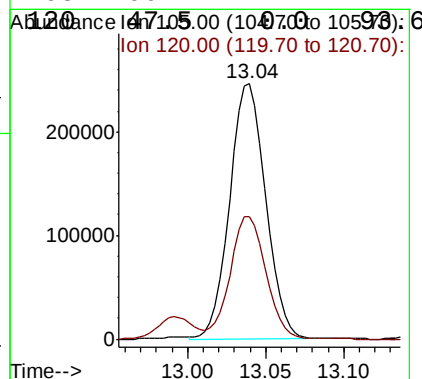
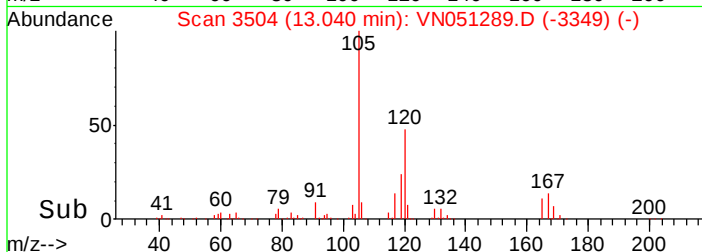
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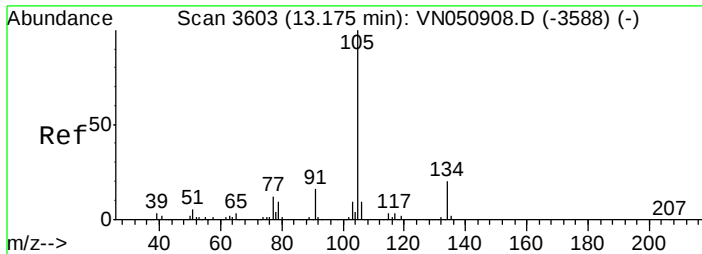


#80
1,2,4-Trimethylbenzene
Concen: 17.651 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44



Tgt Ion:105 Resp: 396415
Ion Ratio Lower Upper
105 100
120 47.5 0.0 93.6
167 10.0 0.0 19.6





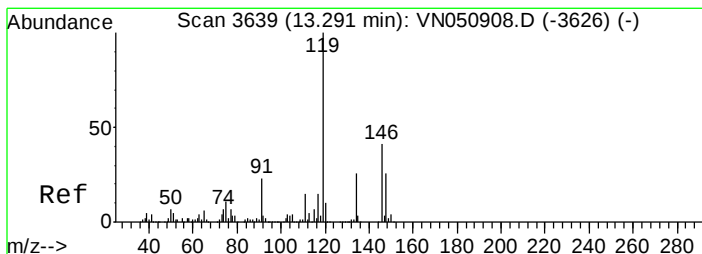
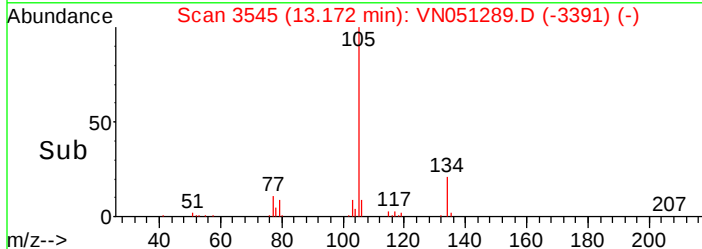
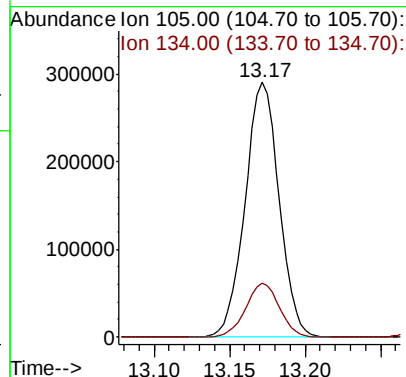
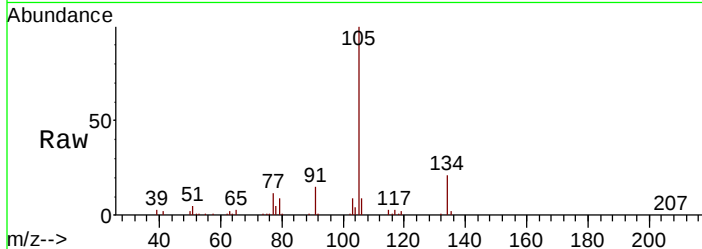
#81
 sec-Butylbenzene
 Concen: 17.705 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Tgt Ion:105 Resp: 453172
 Ion Ratio Lower Upper
 105 100
 134 21.0 0.0 40.8

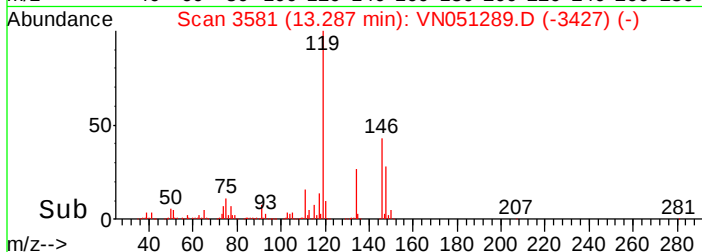
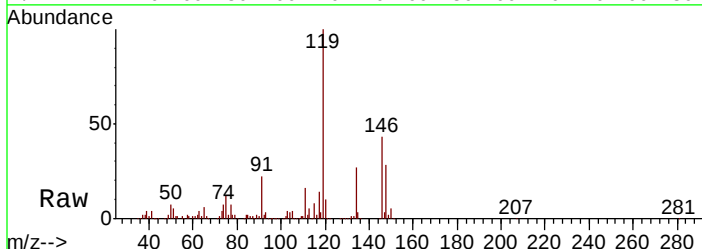
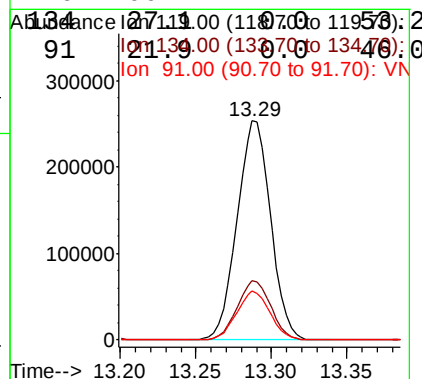
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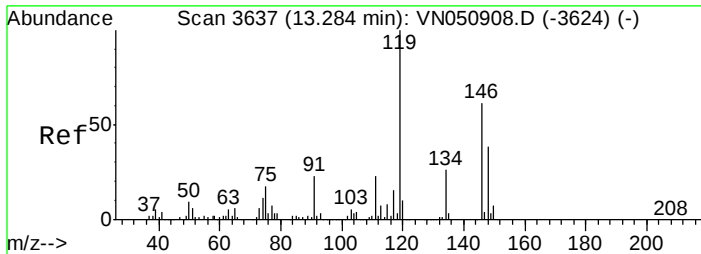
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#82
 p-Isopropyltoluene
 Concen: 17.706 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

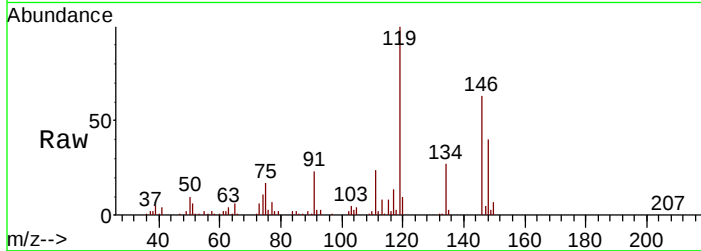
Tgt Ion:119 Resp: 391197
 Ion Ratio Lower Upper
 119 100





#83
 1,3-Dichlorobenzene
 Concen: 16.572 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

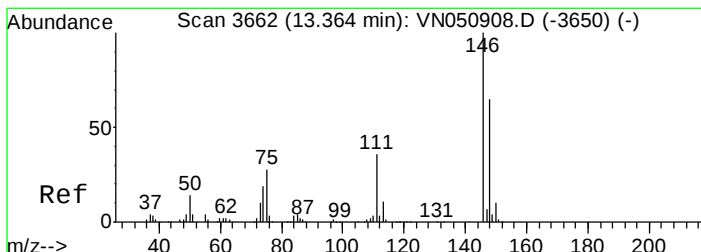
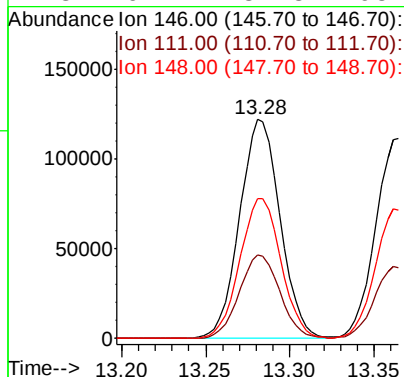
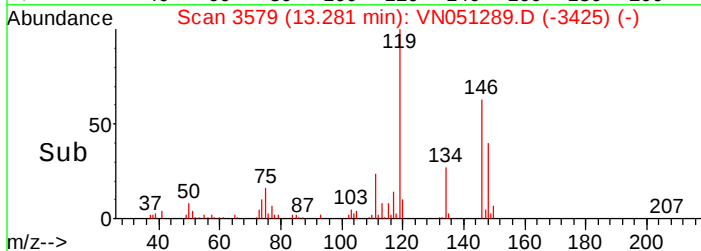
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01



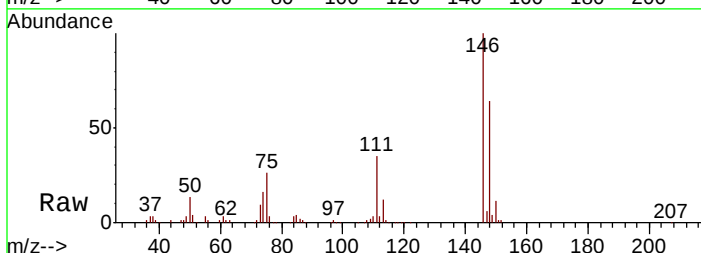
Tgt Ion:146 Resp: 203199
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.6
 148 64.7 31.8 95.3

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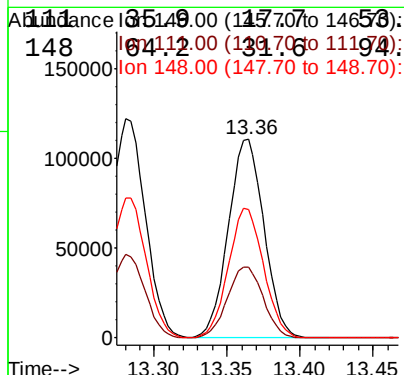
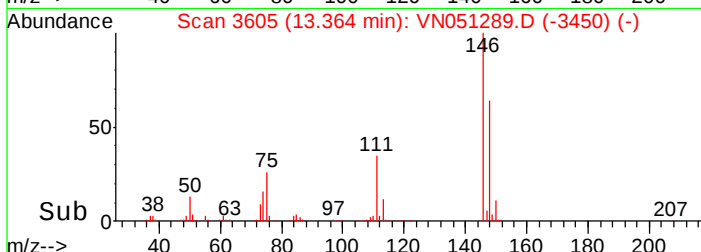
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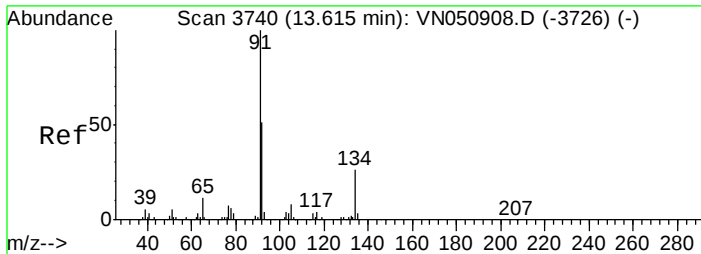


#84
 1,4-Dichlorobenzene
 Concen: 16.259 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44



Tgt Ion:146 Resp: 188894
 Ion Ratio Lower Upper
 146 100
 111 35.49 17.7 53.1
 148 64.2 31.6 94.8





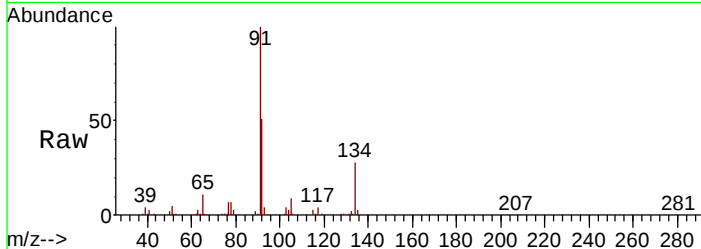
#85
n-Butylbenzene
Concen: 15.422 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

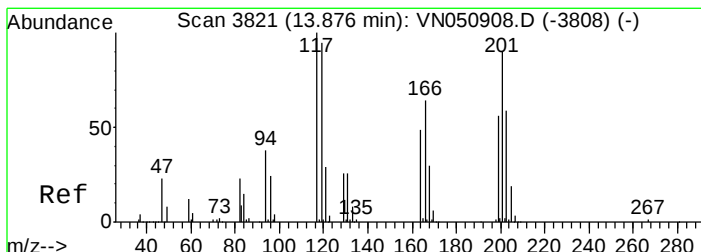
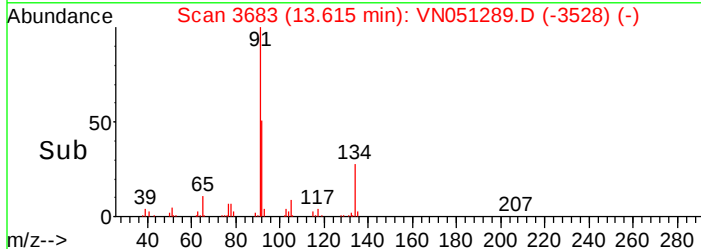
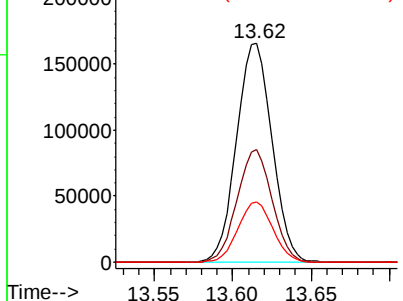
Tgt Ion: 91 Resp: 259977
Ion Ratio Lower Upper
91 100
92 50.5 0.0 101.8
134 27.0 0.0 52.2

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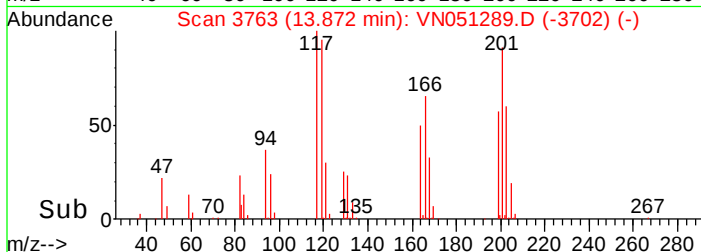
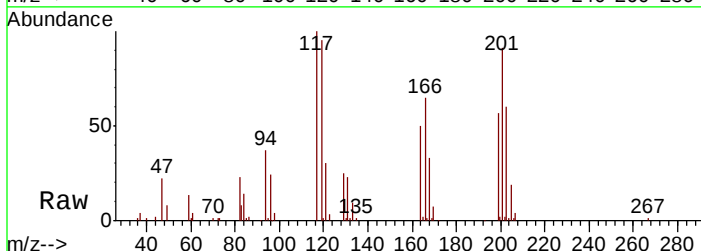
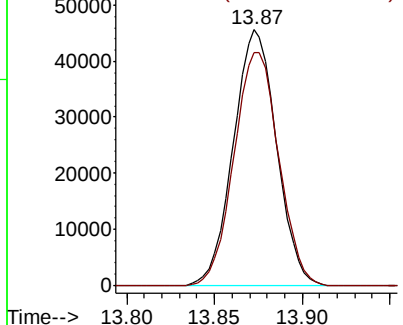
Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 92.00 (91.70 to 92.70): VN
Ion 134.00 (133.70 to 134.70):

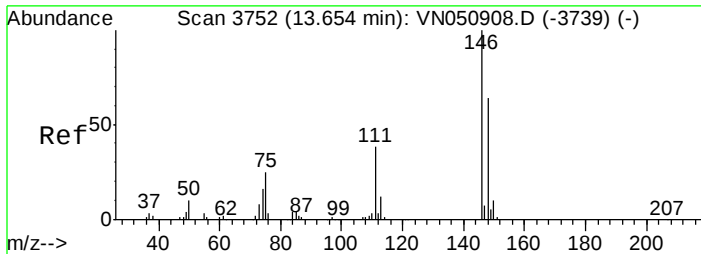


#86
Hexachloroethane
Concen: 18.444 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Tgt Ion: 117 Resp: 78216
Ion Ratio Lower Upper
117 100

Abundance Ion 117.00 (116.70 to 117.70): 4
Ion 121.00 (120.70 to 121.70): 4
Ion 145.00 (144.70 to 145.70): 4
Ion 201.00 (200.70 to 201.70):





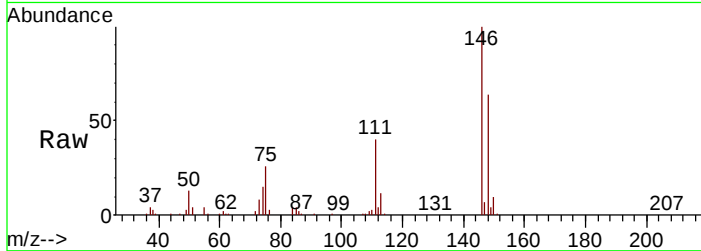
#87
 1,2-Dichlorobenzene
 Concen: 16.366 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

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Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.1	57.1
148	64.9	31.9	95.9

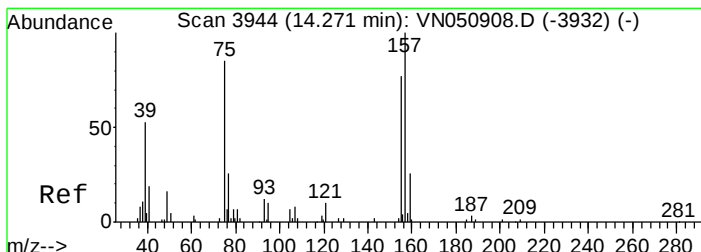
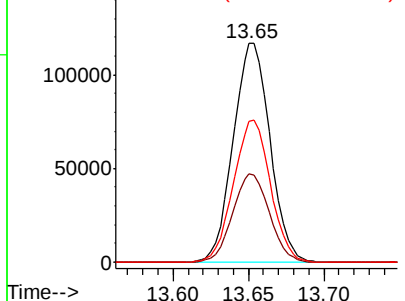
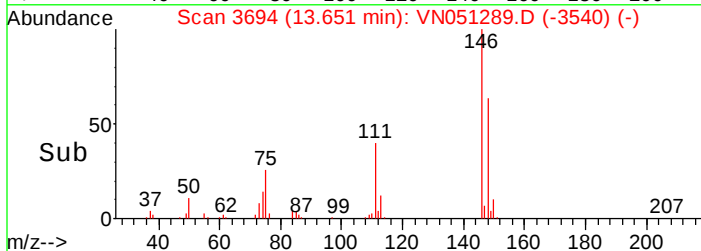


Abundance

Ion 146.00 (145.70 to 146.70):

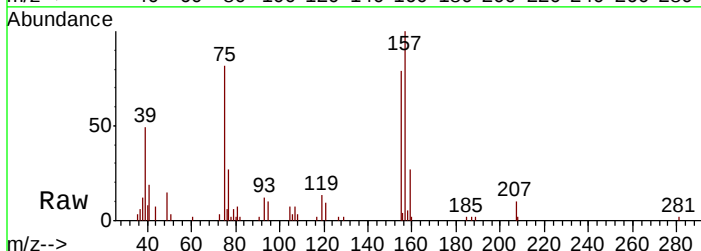
Ion 111.00 (110.70 to 111.70):

Ion 148.00 (147.70 to 148.70):



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 12.917 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.5	71.8	107.6
157	125.7	91.1	136.7

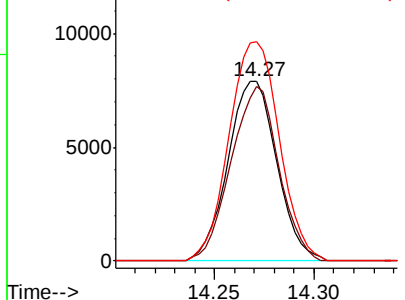
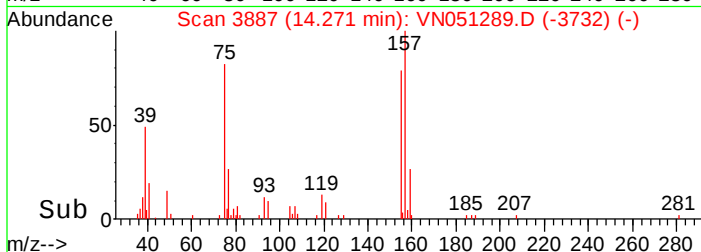


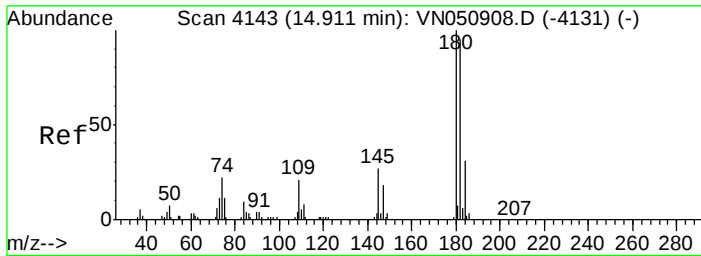
Abundance

Ion 75.00 (74.70 to 75.30):

Ion 155.00 (154.70 to 155.30):

Ion 157.00 (156.70 to 157.70):



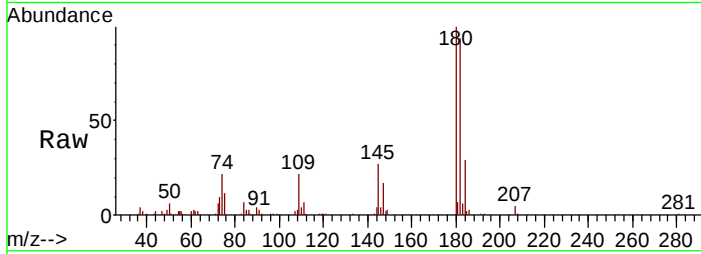


#89
 1,2,4-Trichlorobenzene
 Concen: 11.217 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44

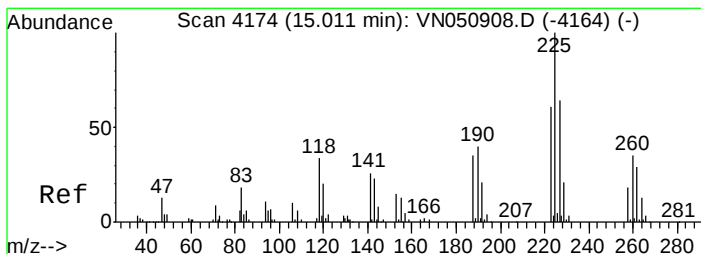
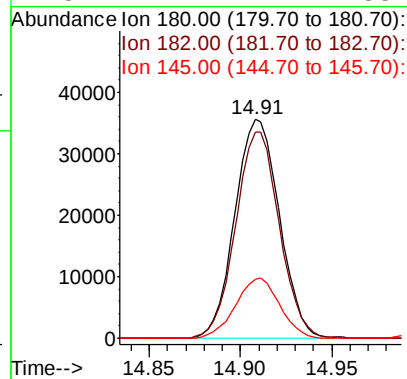
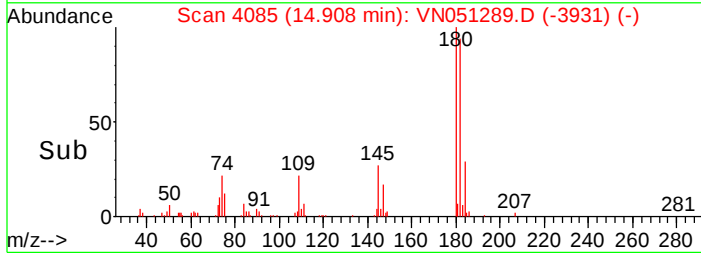
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

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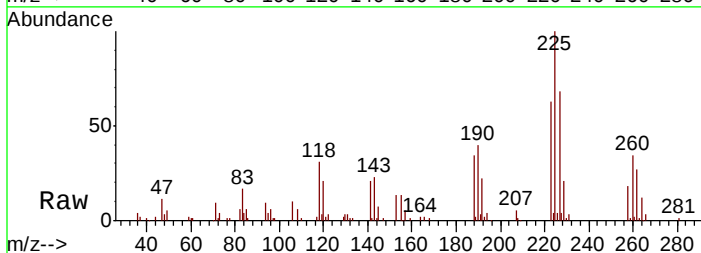
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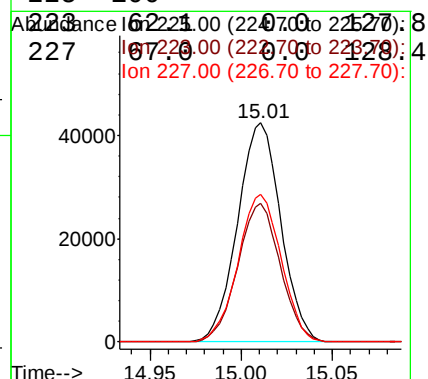
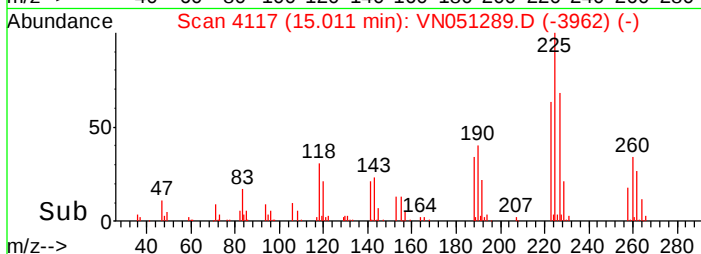
Tgt Ion:180 Resp: 60266
 Ion Ratio Lower Upper
 180 100
 182 92.7 76.2 114.4
 145 27.2 22.2 33.4

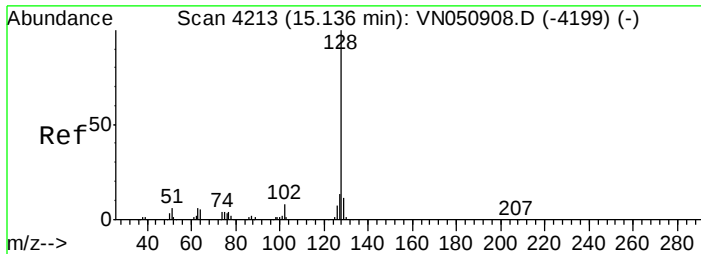


#90
 Hexachlorobutadiene
 Concen: 19.217 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051289.D
 Acq: 18 Sep 2018 11:44



Tgt Ion:225 Resp: 70149
 Ion Ratio Lower Upper
 225 100





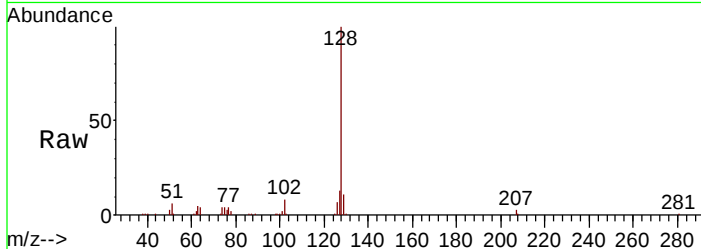
#91
Naphthalene
Concen: 14.450 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.5	8.7	13.1

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MMDadoda
9/19/2018 2:57:06 PM

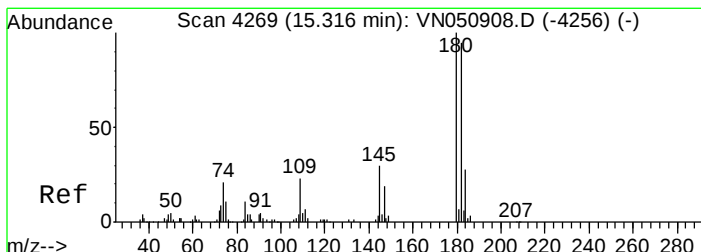
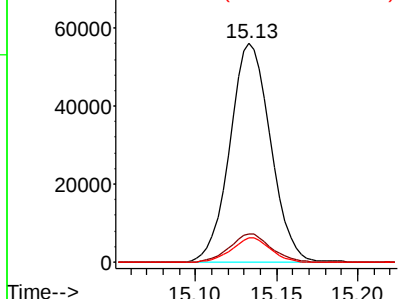
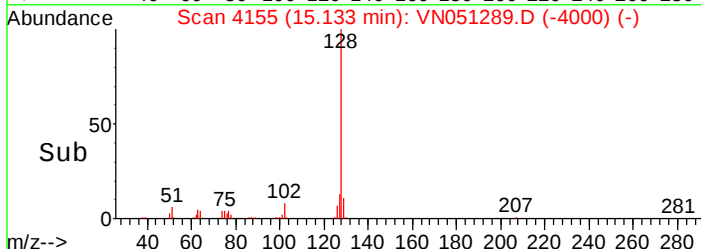


Abundance

Ion 128.00 (127.70 to 128.70):

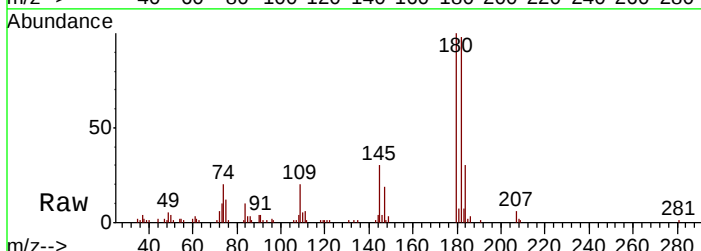
Ion 127.00 (126.70 to 127.70):

Ion 129.00 (128.70 to 129.70):



#92
1,2,3-Trichlorobenzene
Concen: 12.156 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN051289.D
Acq: 18 Sep 2018 11:44

Tgt Ion	Ratio	Lower	Upper
180	100		



Abundance

Ion 180.00 (179.70 to 180.70):

Ion 182.00 (181.70 to 182.70):

Ion 184.00 (183.70 to 184.70):

Ion 145.00 (144.70 to 145.70):

