

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090618\
 Data File : VN051032.D
 Acq On : 6 Sep 2018 13:49
 Operator : MD\SY
 Sample : VN0906WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0906WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/7/2018 11:23:21 AM

Quant Time: Sep 07 01:44:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	121420	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	577564	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	512645	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	230348	29.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.10%
60) 4-Bromofluorobenzene	12.40	95	231198	30.33	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.10%
63) Toluene-d8	10.09	98	717770	30.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.07%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	105234	13.96	ug/l	98
3) Chloromethane	2.06	50	133423	14.98	ug/l	97
4) Vinyl Chloride	2.18	62	127234	14.46	ug/l	100
5) Bromomethane	2.56	94	98298	18.33	ug/l	99
6) Chloroethane	2.69	64	81122	15.63	ug/l	95
7) Trichlorofluoromethane	3.01	101	177996	15.26	ug/l	99
8) Diethyl Ether	3.41	74	82289	20.01	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	115973	16.06	ug/l	99
10) 1,1-Dichloroethene	3.73	96	100563	15.33	ug/l	97
11) Methyl Iodide	3.95	142	86893	14.19	ug/l	98
12) Methyl Acetate	4.33	43	199417	26.29	ug/l	99
13) Acrolein	3.61	56	39134	232.95	ug/l	99
14) Acrylonitrile	5.00	53	269052	104.89	ug/l	97
15) Acetone	3.82	58	72236	110.05	ug/l	89
16) Carbon Disulfide	4.05	76	266580	13.51	ug/l	100
17) Allyl chloride	4.32	41	169204	16.39	ug/l	98
18) Methylene Chloride	4.55	84	138205	17.95	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	113170	16.19	ug/l	96
20) Diisopropyl ether	5.96	45	404538	18.88	ug/l	99
21) 1,1-Dichloroethane	5.85	63	226629	17.25	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	136119	17.24	ug/l	99
23) tert-Butyl Alcohol	4.80	59	66583	122.06	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	367240	20.47	ug/l #	81
25) Chloroform	7.37	83	237513	18.11	ug/l	100
26) Cyclohexane	7.65	56	155361	14.27	ug/l #	99
29) 1,1-Dichloropropene	7.79	75	149082	17.24	ug/l	97
30) 2-Butanone	6.84	43	309059	116.19	ug/l	98
31) 2,2-Dichloropropane	6.83	77	160892	19.12	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	182043	18.57	ug/l	99
33) Carbon Tetrachloride	7.77	117	152453	17.27	ug/l	98
34) Benzene	8.04	78	510068	19.07	ug/l	99
35) Methacrylonitrile	7.18	41	57230	19.64	ug/l	98
36) 1,2-Dichloroethane	8.13	62	175646	21.71	ug/l	99
37) Trichloroethene	8.84	130	128327	18.35	ug/l	98
38) Methylcyclohexane	9.08	83	147480	15.88	ug/l	99
39) 1,2-Dichloropropane	9.12	63	145028	20.76	ug/l	96
40) Dibromomethane	9.21	93	92996	22.10	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090618\
 Data File : VN051032.D
 Acq On : 6 Sep 2018 13:49
 Operator : MD\SY
 Sample : VN0906WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Manual Integrations
 APPROVED

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 9/7/2018 11:23:21 AM

Quant Time: Sep 07 01:44:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	182661	20.59	ug/l	99
42) Vinyl Acetate	5.90	43	1277518	104.27	ug/l	100
43) Ethyl Acetate	6.93	43	130840	24.01	ug/l	99
44) Isopropyl Acetate	8.17	43	236996	24.65	ug/l	100
45) 1,4-Dioxane	9.21	88	35784	500.98	ug/l	96
46) Methyl methacrylate	9.20	41	112887	23.44	ug/l	96
47) n-amyl Acetate	12.07	43	187980	24.32	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	178598	20.54	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	205920	20.61	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	137037	22.41	ug/l	99
51) Ethyl methacrylate	10.43	69	164031	21.93	ug/l	99
52) 1,3-Dichloropropane	10.71	76	219561	21.68	ug/l	99
53) Dibromochloromethane	10.90	129	147013	21.14	ug/l	99
54) 1,2-Dibromoethane	11.01	107	130323	21.55	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	297660	95.62	ug/l	99
56) Bromoform	12.13	173	108296	21.90	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	723563	123.36	ug/l	99
59) 2-Hexanone	10.75	43	472556	123.26	ug/l	100
61) Tetrachloroethene	10.63	164	115997	18.16	ug/l	99
62) Toluene	10.16	91	536871	18.77	ug/l	99
64) Chlorobenzene	11.44	112	336575	18.99	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	136598	20.41	ug/l	99
66) Ethyl Benzene	11.51	91	519558	17.54	ug/l	99
67) m/p-Xylenes	11.62	106	415266	36.43	ug/l	99
68) o-Xylene	11.95	106	203697	18.70	ug/l	99
69) Styrene	11.97	104	328009	18.94	ug/l	100
70) Isopropylbenzene	12.25	105	529165	18.28	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	179642	22.93	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	146517m	21.67	ug/l	
73) Bromobenzene	12.53	156	150100	19.71	ug/l	98
74) n-propylbenzene	12.59	91	581097	17.76	ug/l	99
75) 2-Chlorotoluene	12.68	91	370793	18.65	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	432319	18.28	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	44357	23.03	ug/l	98
78) 4-Chlorotoluene	12.77	91	362982	18.55	ug/l	99
79) tert-butylbenzene	12.99	119	356206	17.34	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	442848	18.78	ug/l	99
81) sec-Butylbenzene	13.17	105	481249	17.91	ug/l	99
82) p-Isopropyltoluene	13.29	119	417139	17.98	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	244496	18.99	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	229393	18.81	ug/l	99
85) n-Butylbenzene	13.62	91	309172	17.47	ug/l	100
86) Hexachloroethane	13.88	117	79379	17.83	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	245565	19.38	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25758	23.50	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	90334	16.01	ug/l	100
90) Hexachlorobutadiene	15.01	225	70088	18.29	ug/l	98
91) Naphthalene	15.14	128	190726	19.39	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	88988	15.72	ug/l	97

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Acq On : 6 Sep 2018 13:49
Operator : MD\SY
Sample : VN0906WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Manual Integrations
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9/7/2018 11:23:21 AM

Quant Time: Sep 07 01:44:33 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

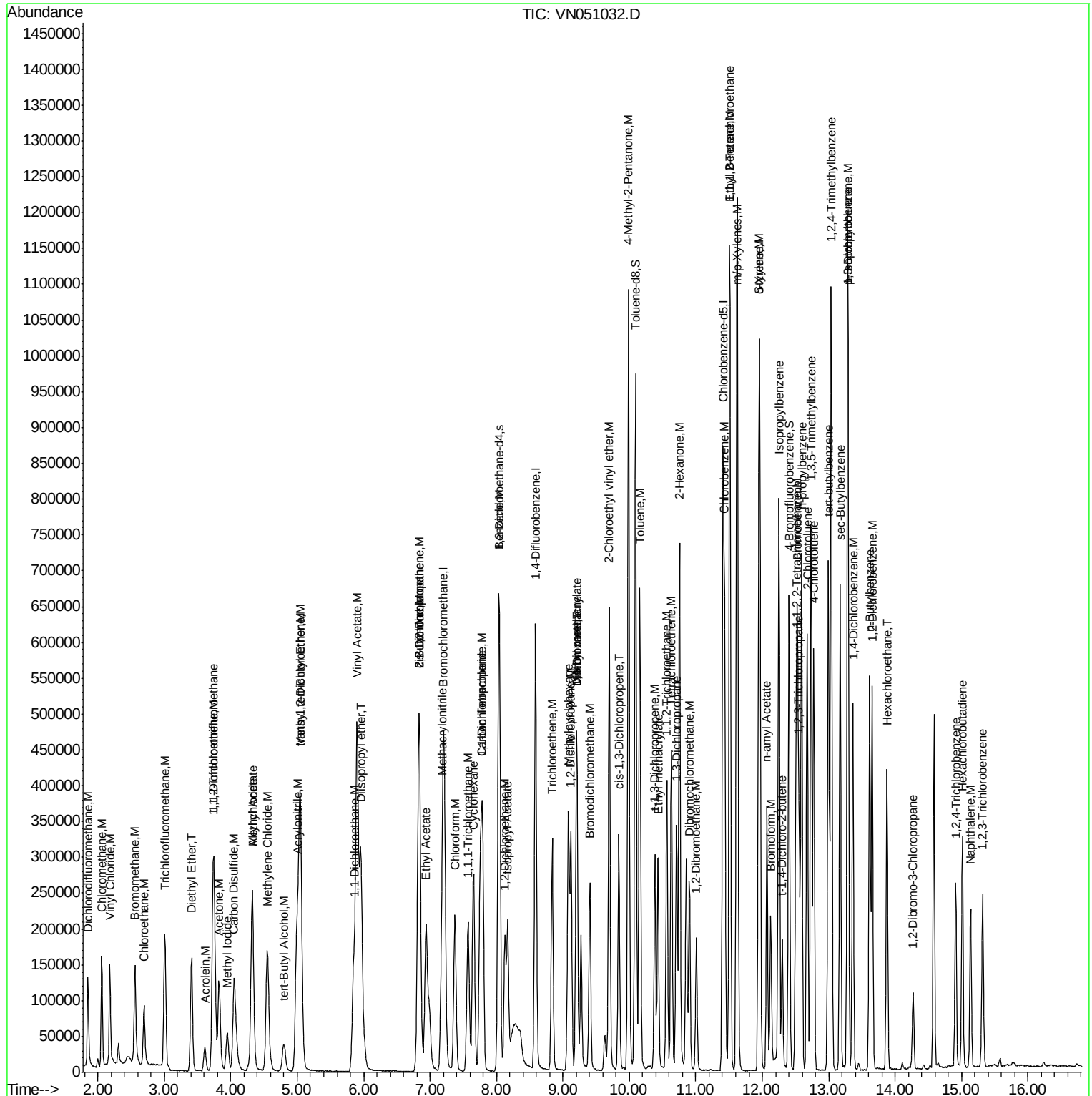
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090618\
Data File : VN051032.D
Acq On : 6 Sep 2018 13:49
Operator : MD\SY
Sample : VN0906WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

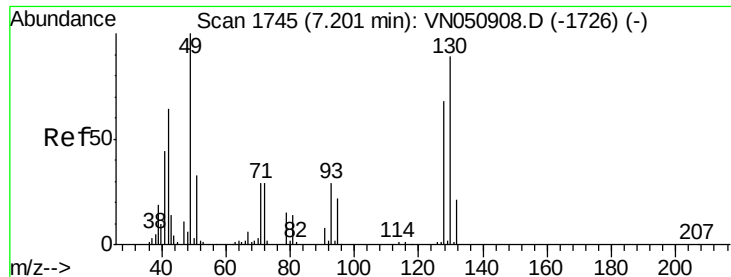
Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Manual Integrations
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9/7/2018 11:23:21 AM

Quant Time: Sep 07 01:44:33 2018
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Instrument :

MSVOA_N

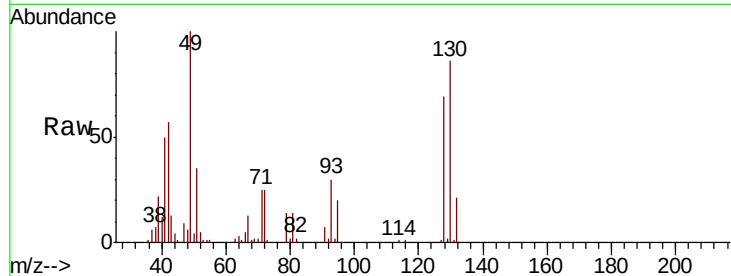
ClientSampleId :

VN0906WBSD01

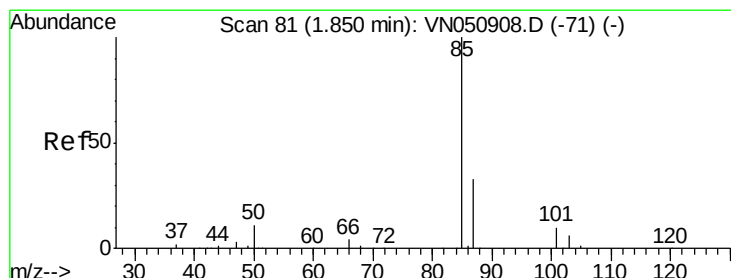
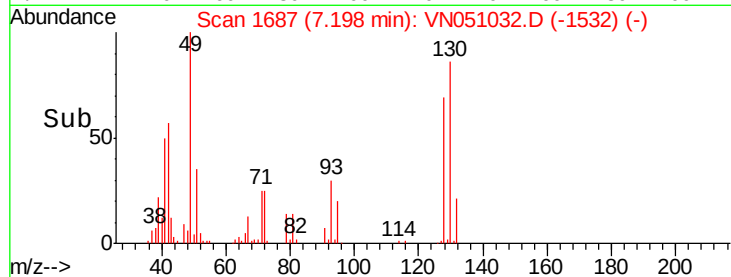
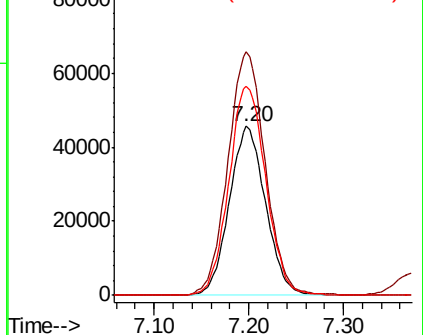
Tot Ion:	128	Resp:	121420
Ion	Ratio	Lower	Upper
128	100		
49	148.3	0.0	380.3
130	126.6	0.0	325.3

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



#2

Dichlorodifluoromethane

Concen: 13.96 ug/l

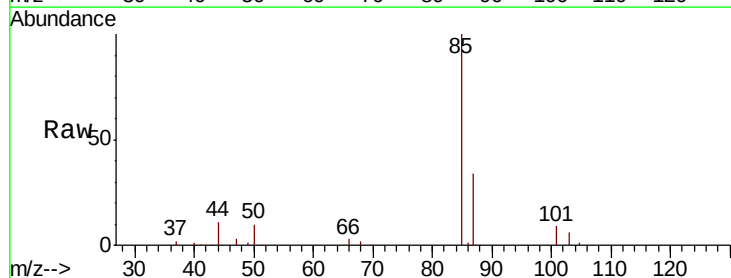
RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

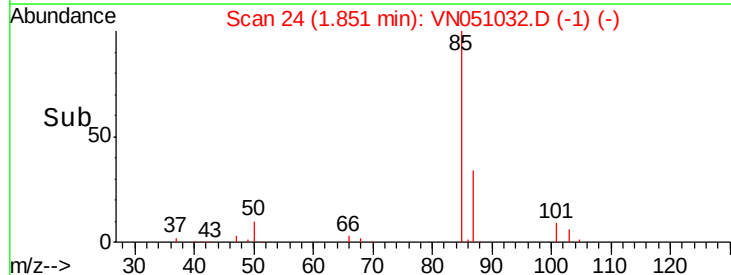
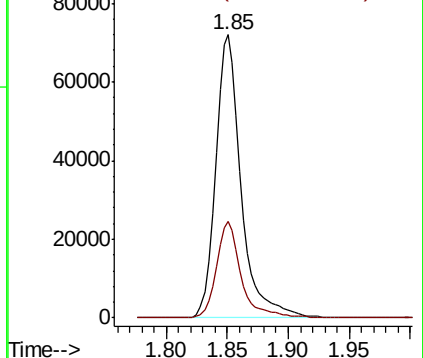
Lab File: VN051032.D

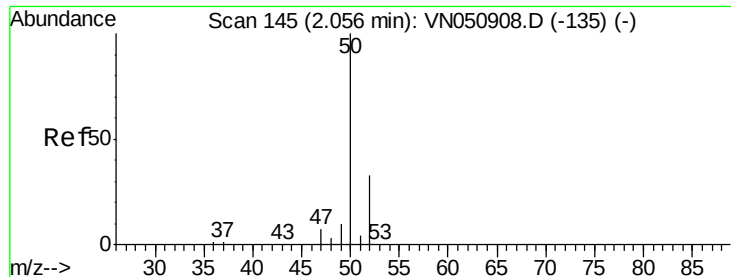
Acq: 6 Sep 2018 13:49

Tgt Ion:	85	Resp:	105234
Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.4	49.1



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





#3

Chloromethane

Concen: 14.98 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Instrument :

MSVOA_N

ClientSampled :

VN0906WBSD01

Tot Ion: 50 Resp: 133423

Ion Ratio Lower Upper

50 100

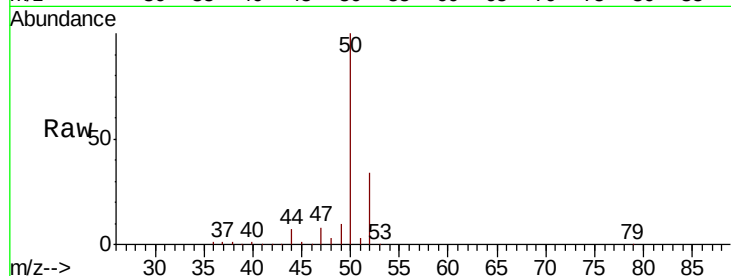
52 34.5 26.2 39.4

Manual Integrations

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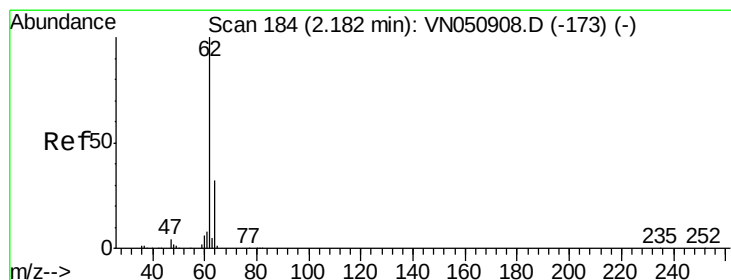
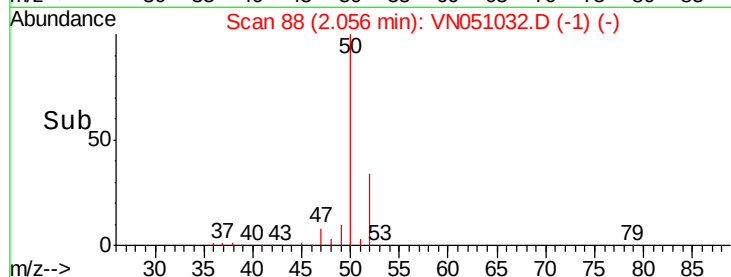
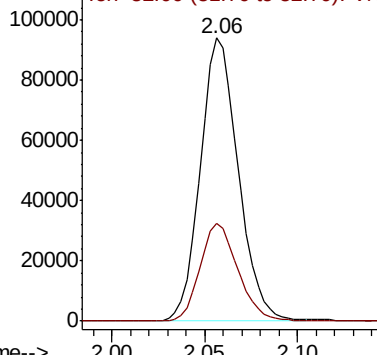
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Abundance Ion 50.00 (49.70 to 50.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#4

Vinyl Chloride

Concen: 14.46 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN051032.D

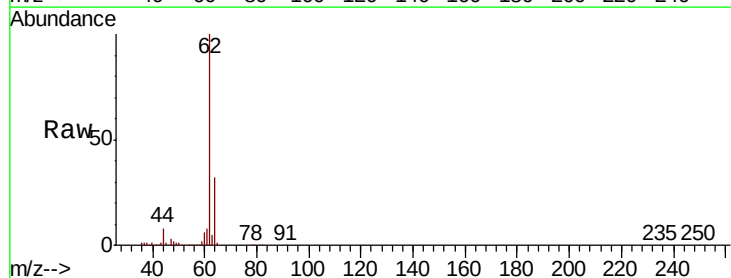
Acq: 6 Sep 2018 13:49

Tgt Ion: 62 Resp: 127234

Ion Ratio Lower Upper

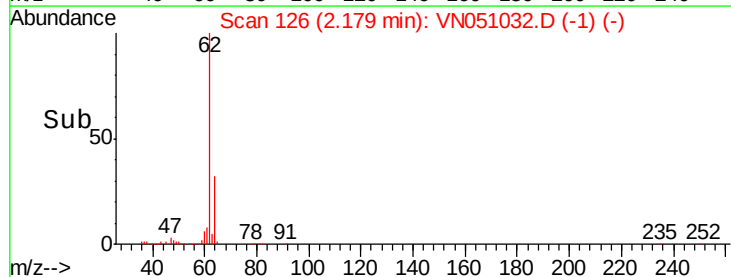
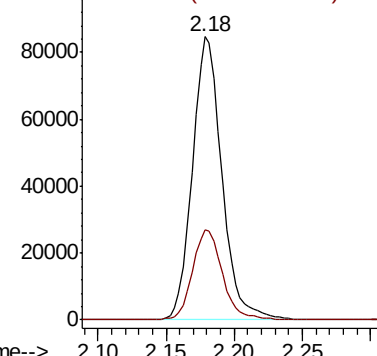
62 100

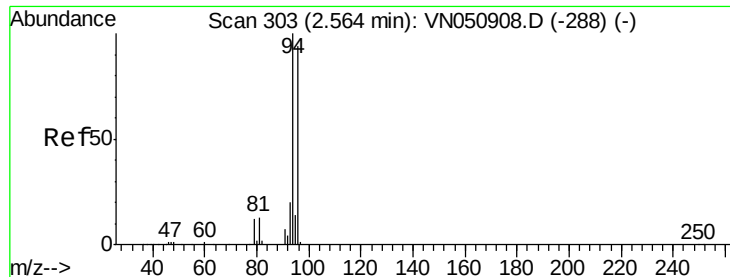
64 31.8 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VNC

Ion 64.00 (63.70 to 64.70): VNC





#5

Bromomethane

Concen: 18.33 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBSD01

Tot Ion: 94 Resp: 98298

Ion Ratio Lower Upper

94 100

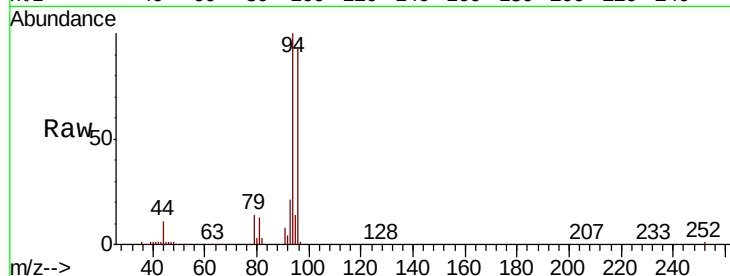
96 92.3 74.9 112.3

Manual Integrations

APPROVED

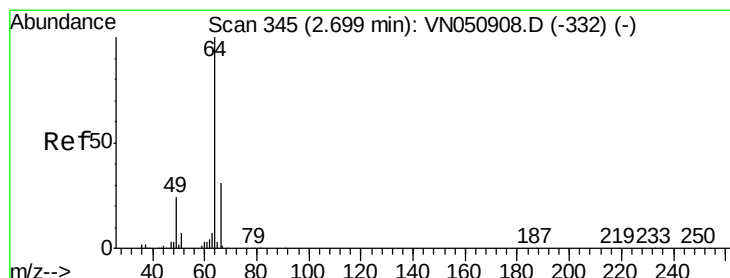
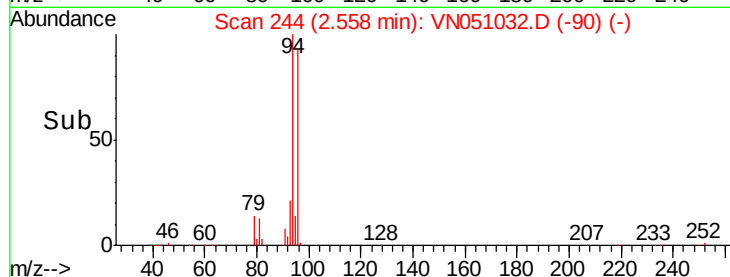
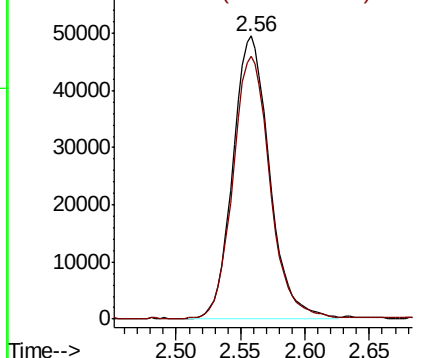
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 15.63 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN051032.D

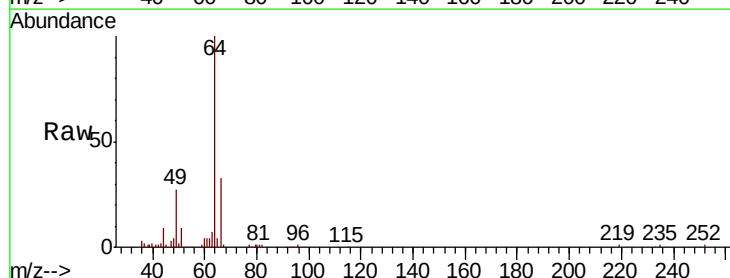
Acq: 6 Sep 2018 13:49

Tgt Ion: 64 Resp: 81122

Ion Ratio Lower Upper

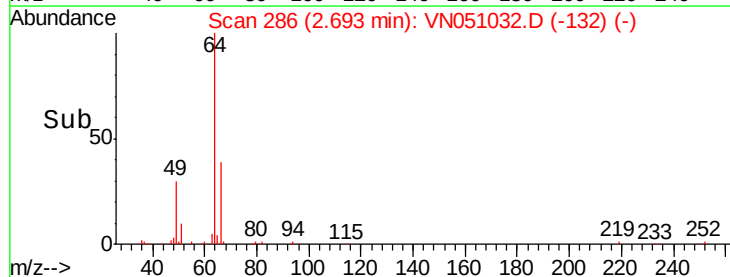
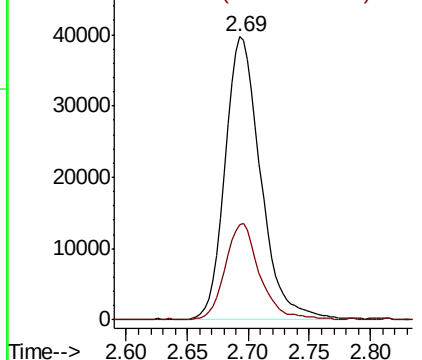
64 100

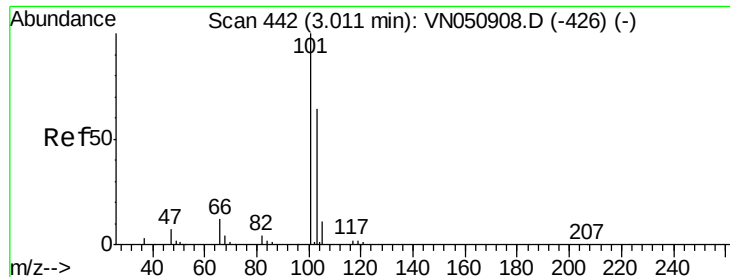
66 33.5 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

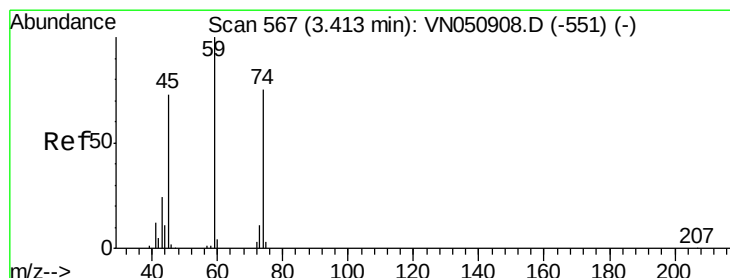
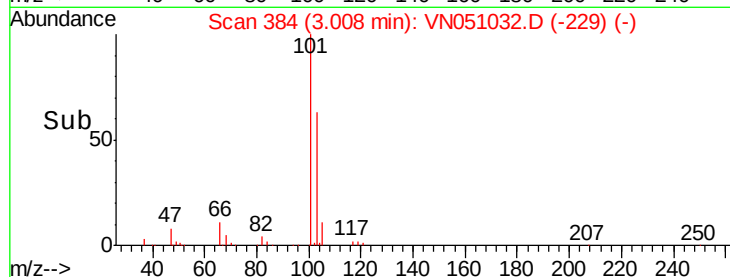
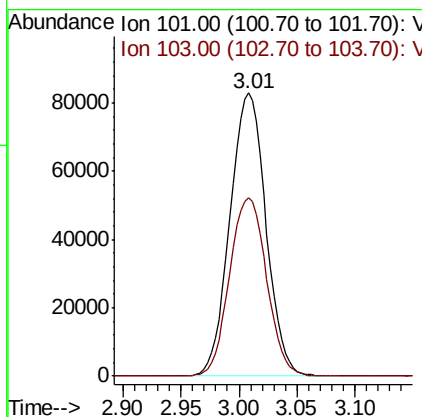
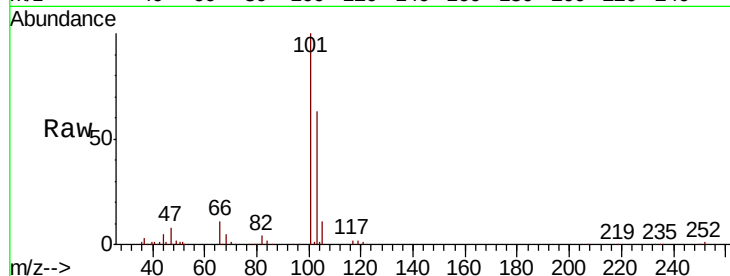
Trichlorofluoromethane
 Concen: 15.26 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.3	76.9

Manual Integrations
 APPROVED

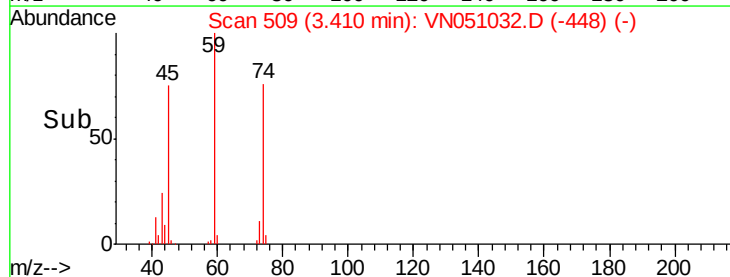
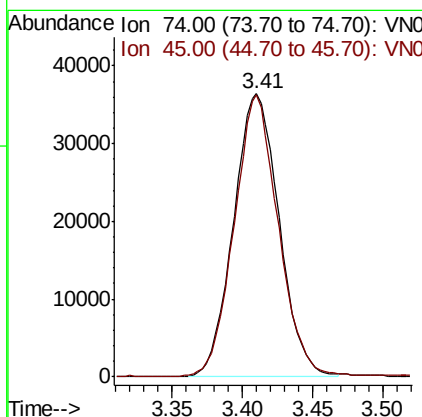
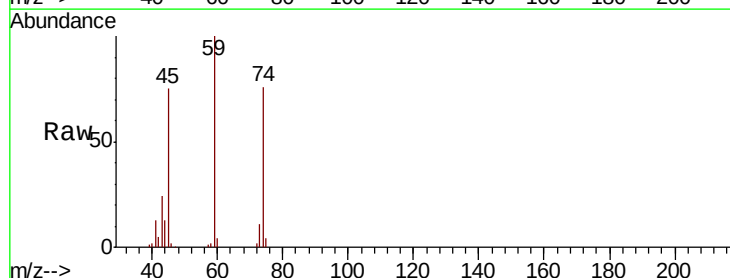
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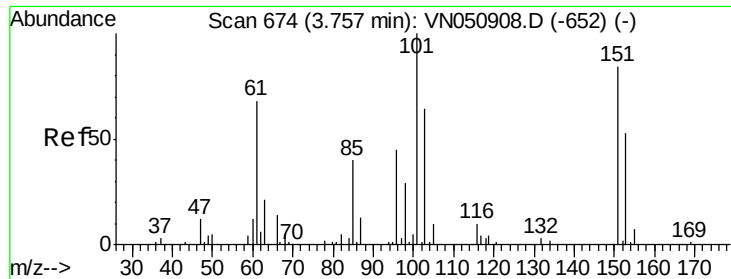


#8

Diethyl Ether
 Concen: 20.01 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	19.7	177.1





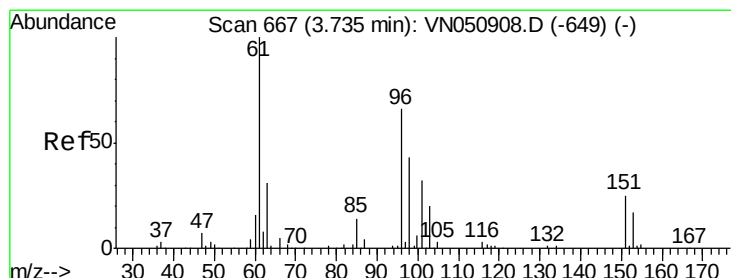
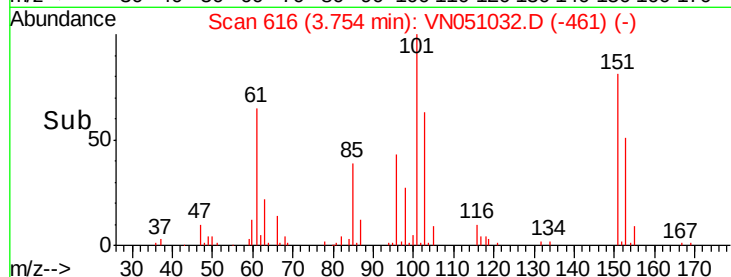
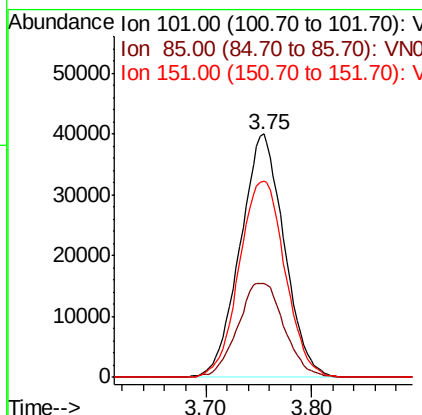
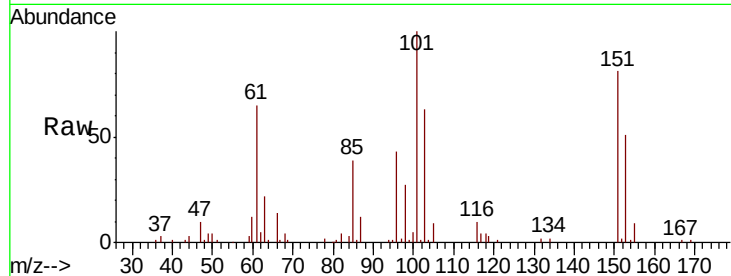
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 16.06 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0906WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	115973		
85	40.9	0.0	83.6	
151	84.0	0.0	167.0	

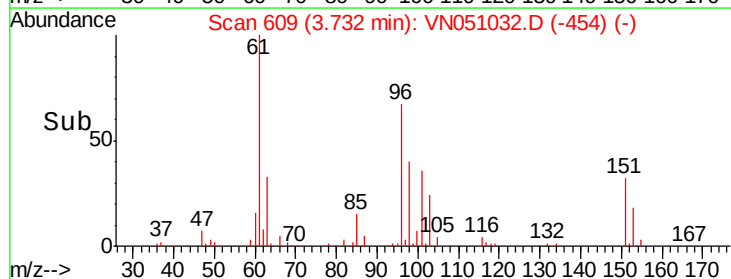
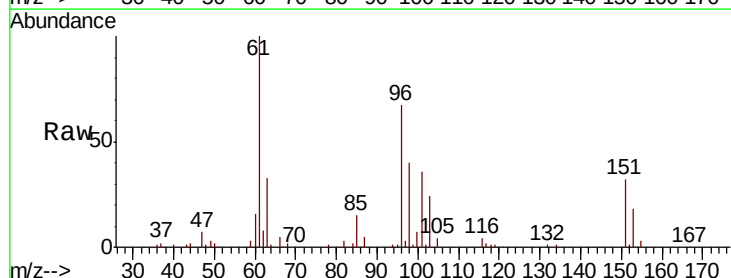
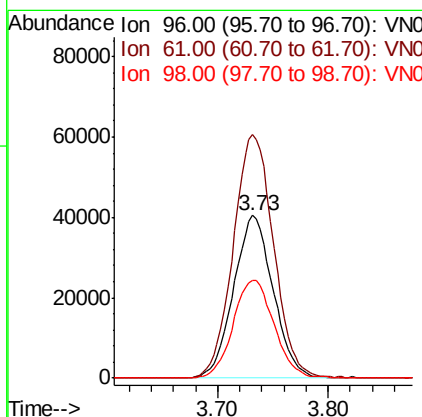
Manual Integrations
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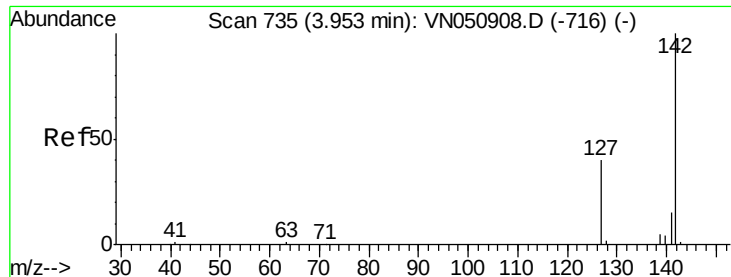
MMDadoda
 9/7/2018 11:23:21 AM



#10
 1,1-Dichloroethene
 Concen: 15.33 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	100563		
61	149.8	121.8	182.8	
98	60.0	52.3	78.5	





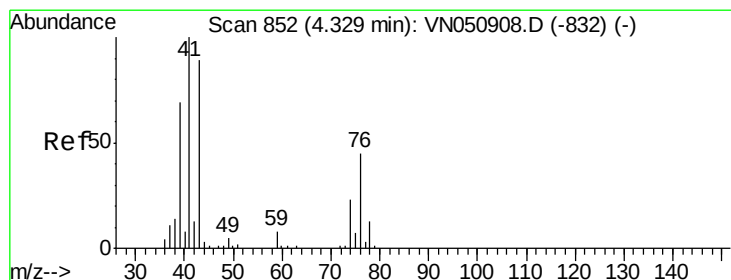
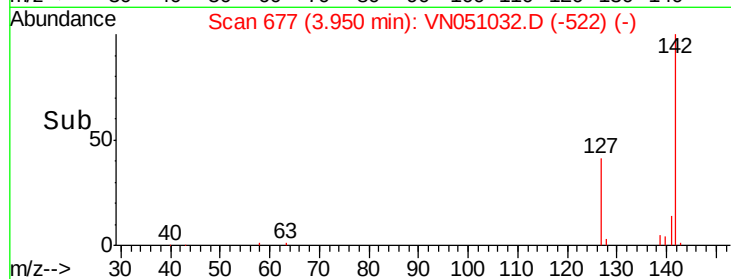
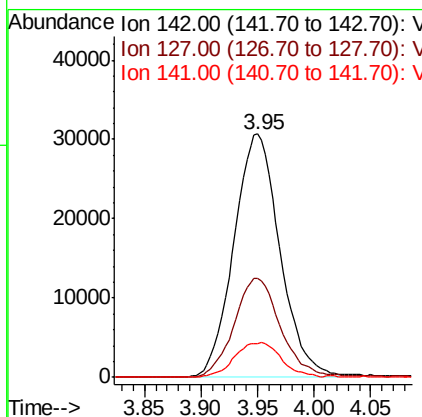
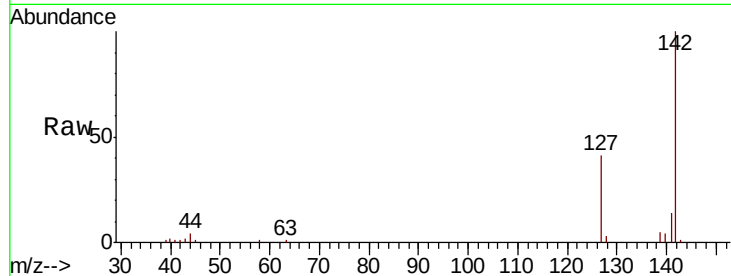
#11
Methyl Iodide
Concen: 14.19 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.5	19.7	59.1
141	13.5	7.3	22.0

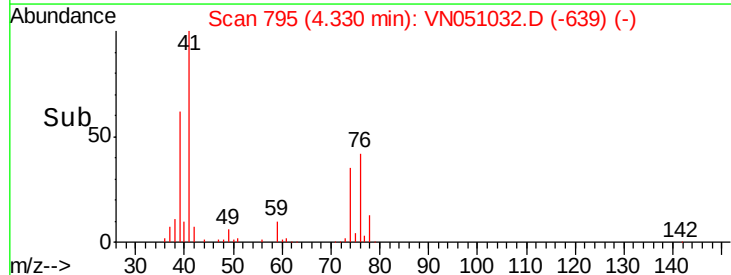
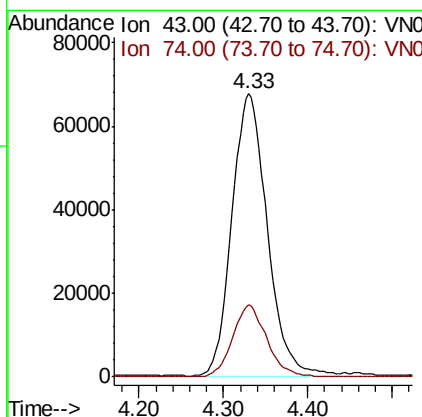
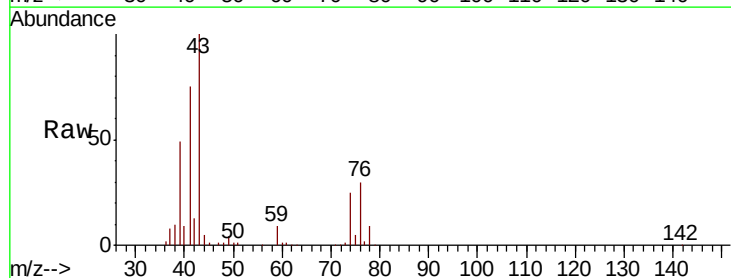
Manual Integrations
APPROVED

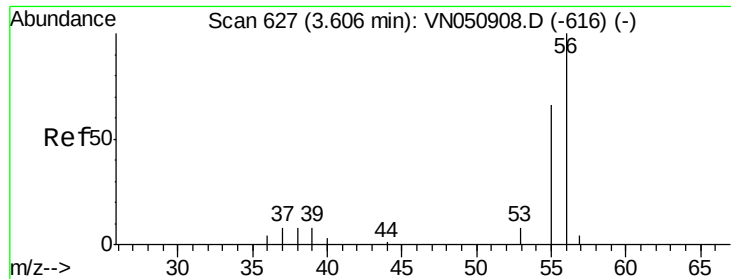
MMDadoda
9/7/2018 11:23:21 AM



#12
Methyl Acetate
Concen: 26.29 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	20.6	31.0





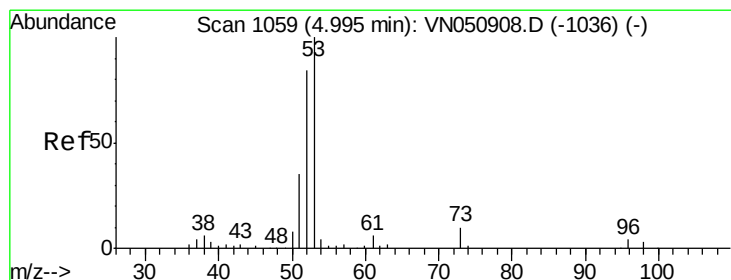
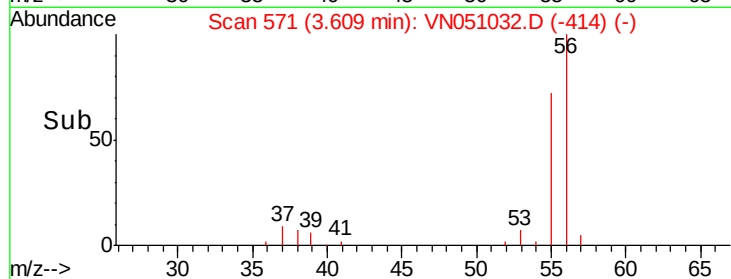
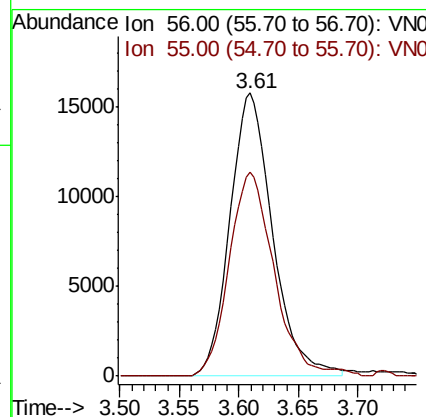
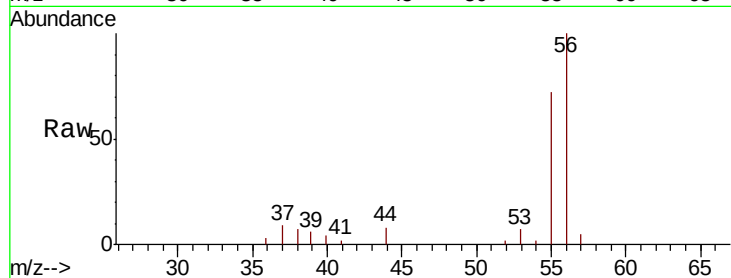
#13
Acrolein
Concen: 232.95 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0906WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	74.9	59.1	88.7	

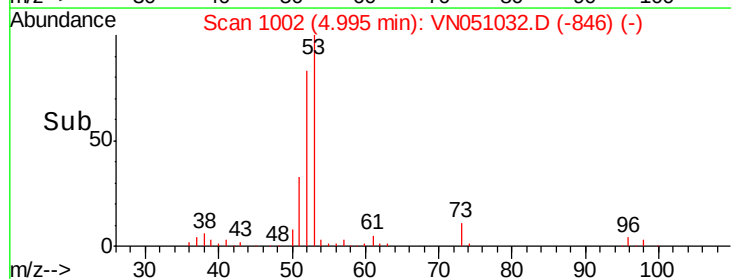
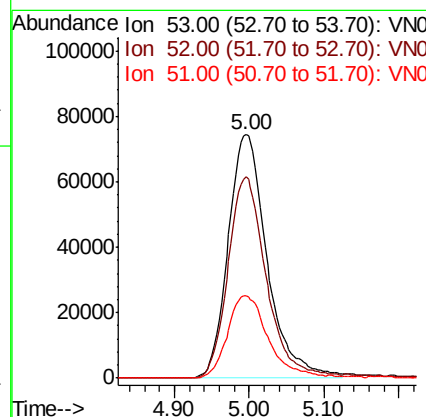
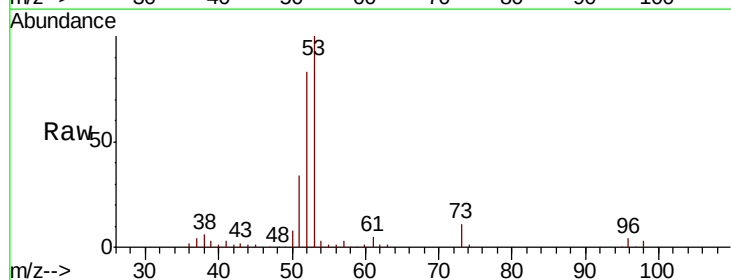
Manual Integrations
APPROVED

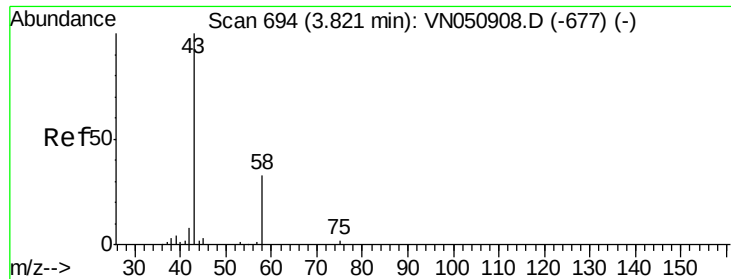
MMDadoda
9/7/2018 11:23:21 AM



#14
Acrylonitrile
Concen: 104.89 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	80.9	42.2	126.6	
51	35.3	17.7	53.1	





#15

Acetone

Concen: 110.05 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Instrument :

MSVOA_N

ClientSampled :

VN0906WBSD01

Tot Ion: 58 Resp: 72236

Ion Ratio Lower Upper

58 100

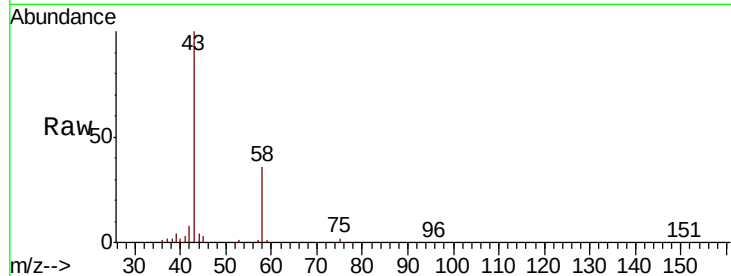
43 276.9 239.4 359.0

Manual Integrations

APPROVED

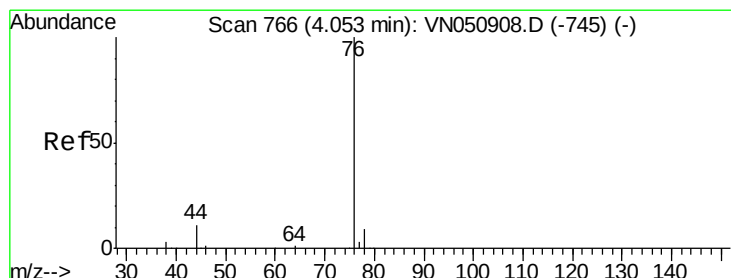
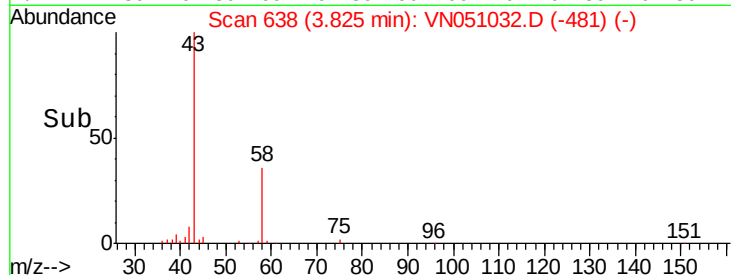
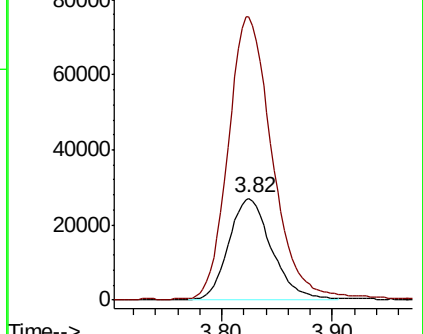
MMDadoda

9/7/2018 11:23:21 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 13.51 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051032.D

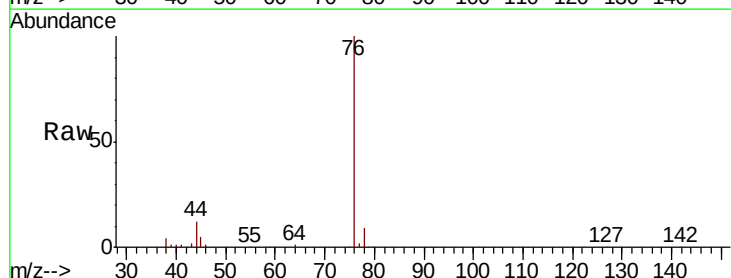
Acq: 6 Sep 2018 13:49

Tgt Ion: 76 Resp: 266580

Ion Ratio Lower Upper

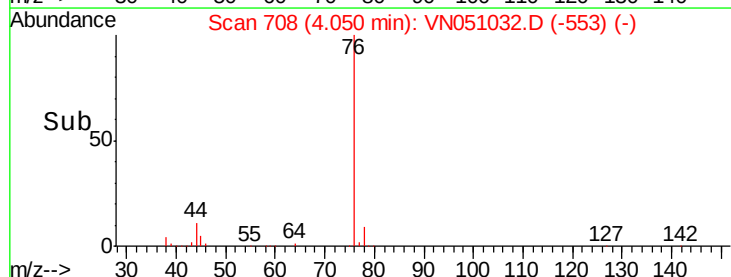
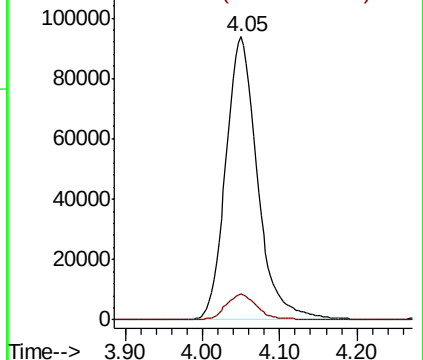
76 100

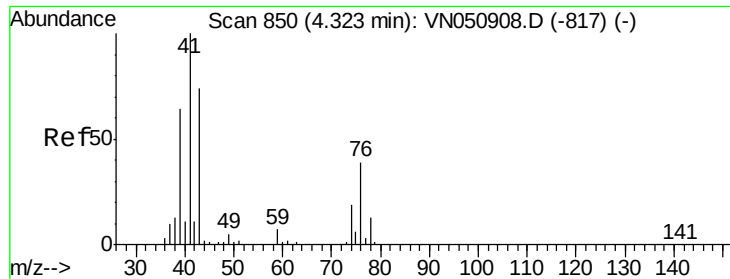
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





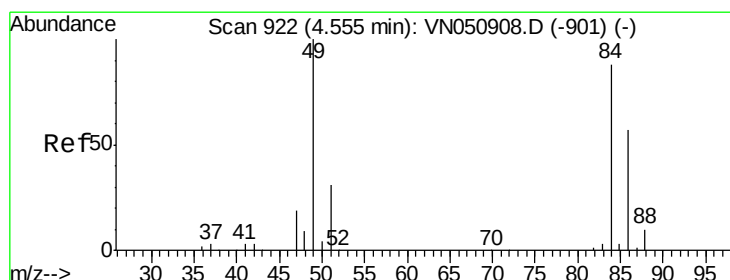
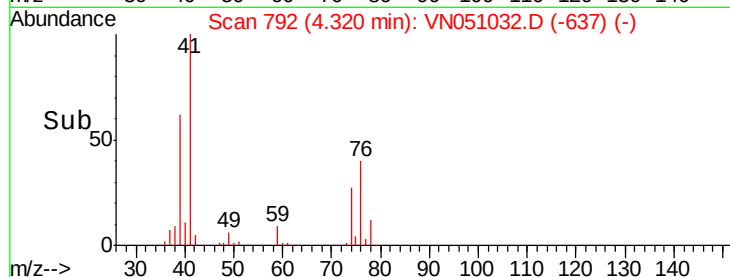
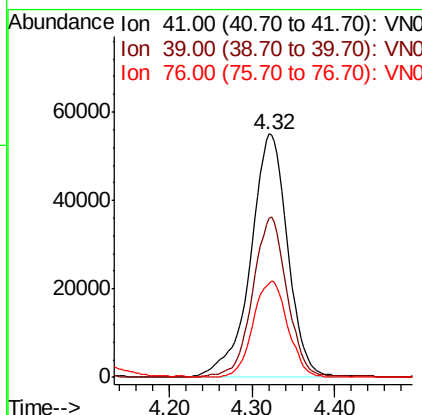
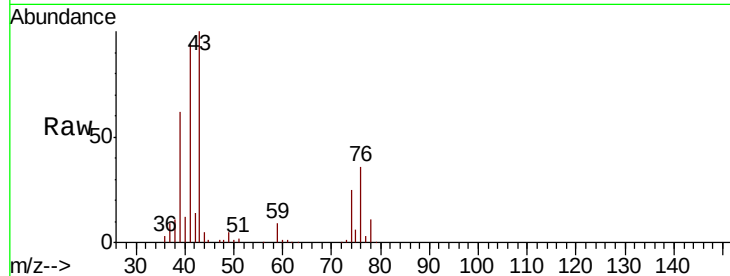
#17
Allvl chloride
Concen: 16.39 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0906WBSD01

Tot Ion:	41	Resp:	169204
Ion	Ratio	Lower	Upper
41	100		
39	65.7	32.2	96.6
76	38.2	19.6	58.7

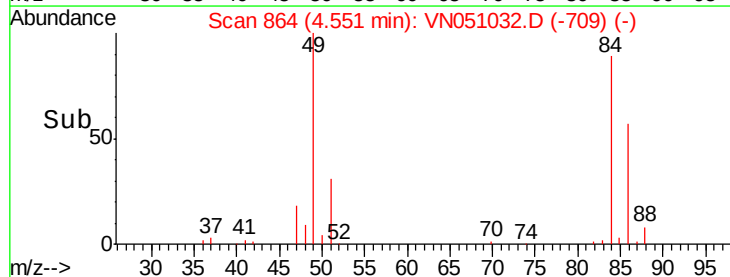
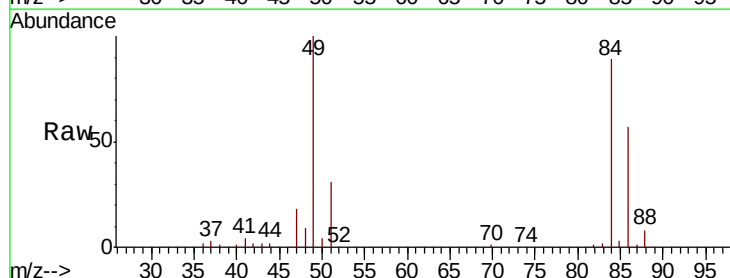
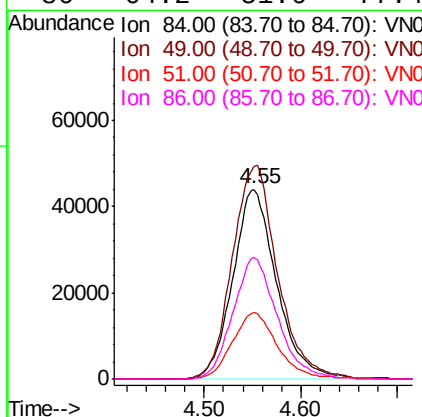
Manual Integrations
APPROVED

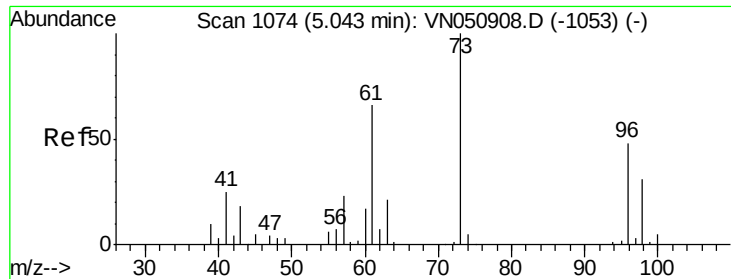
MMDadoda
9/7/2018 11:23:21 AM



#18
Methylene Chloride
Concen: 17.95 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Tgt Ion:	84	Resp:	138205
Ion	Ratio	Lower	Upper
84	100		
49	111.5	90.6	135.8
51	35.1	28.4	42.6
86	64.2	51.6	77.4





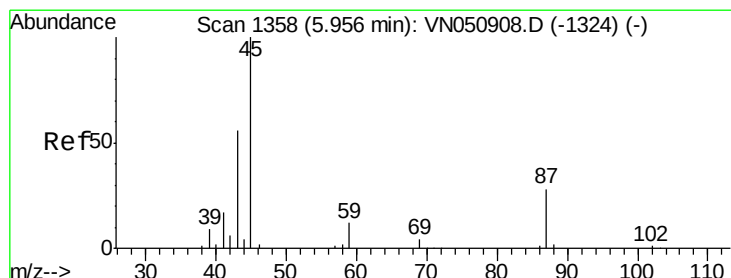
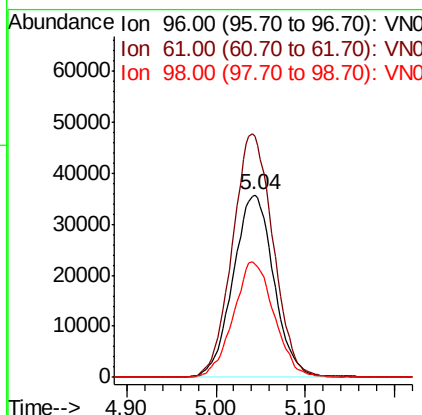
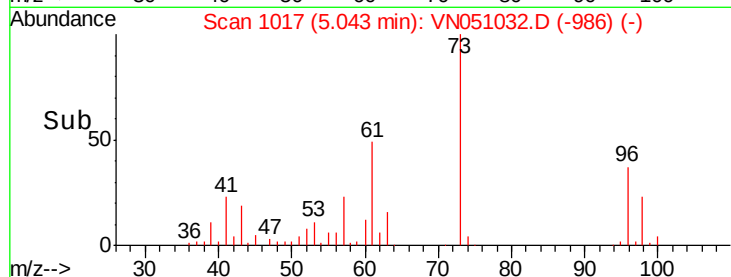
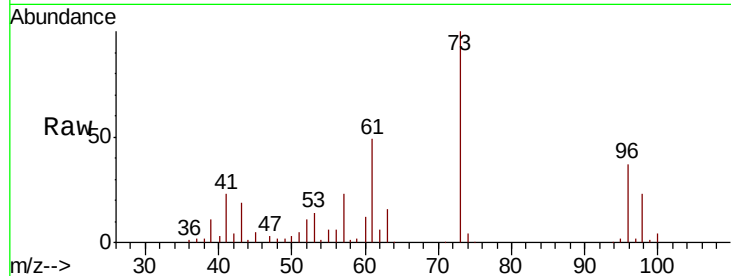
#19
trans-1,2-Dichloroethene
Concen: 16.19 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.2	109.5	164.3
98	61.9	51.9	77.9

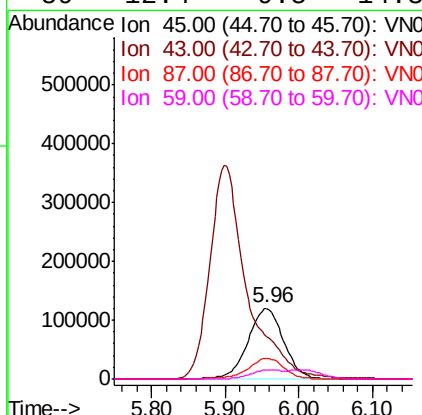
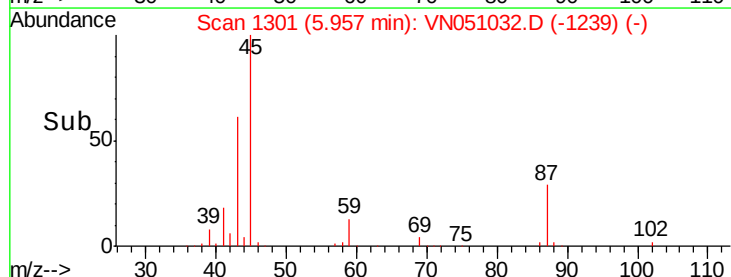
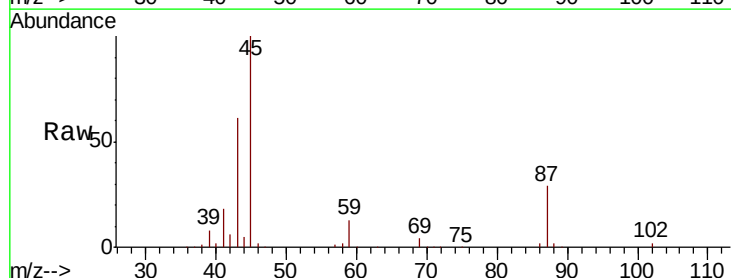
Manual Integrations
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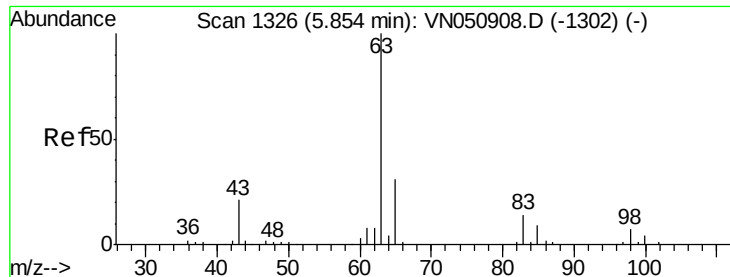
MMDadoda
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#20
Diisopropyl ether
Concen: 18.88 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.3	47.0	70.6
87	29.2	22.8	34.2
59	12.4	9.5	14.3





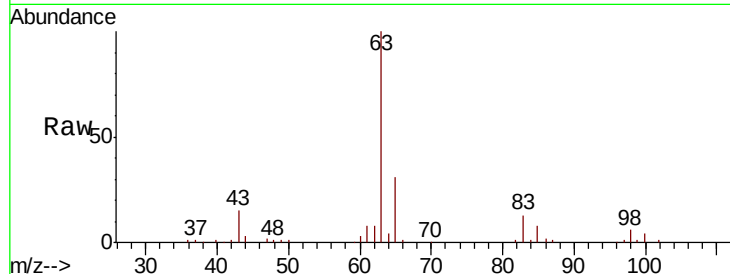
#21
 1,1-Dichloroethane
 Concen: 17.25 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0906WBSD01

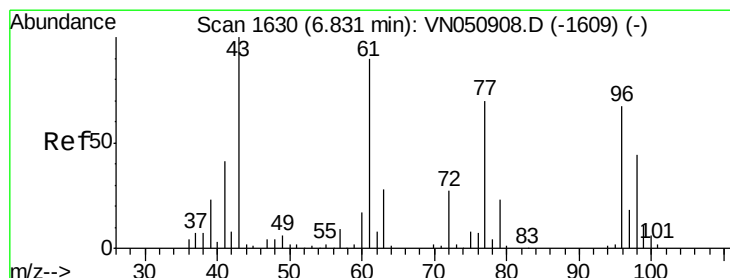
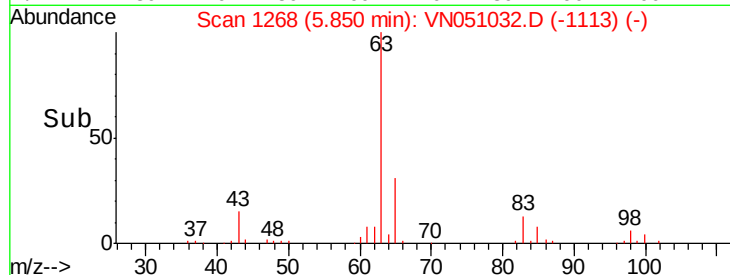
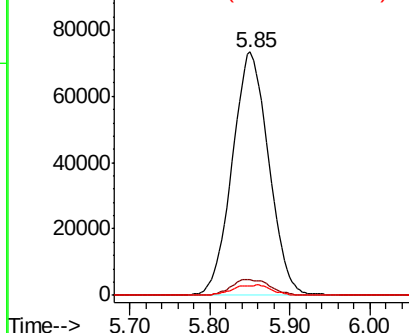
Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.4	3.3	9.9	
100	4.0	2.0	6.0	

Manual Integrations
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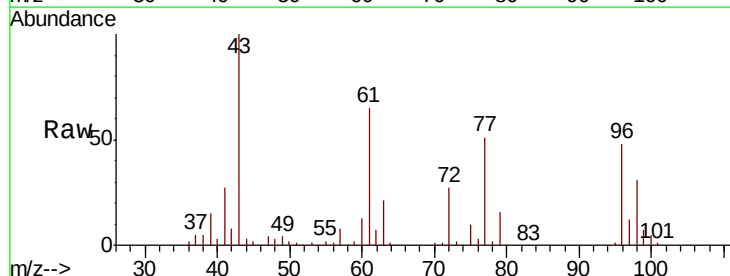


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

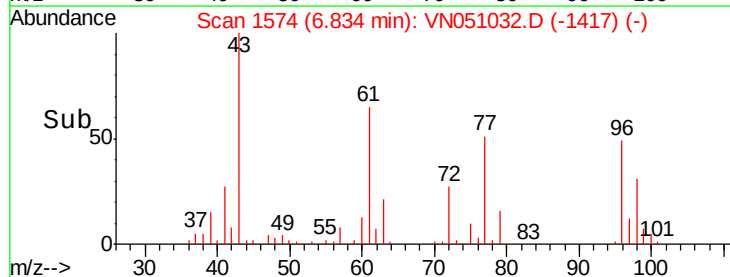
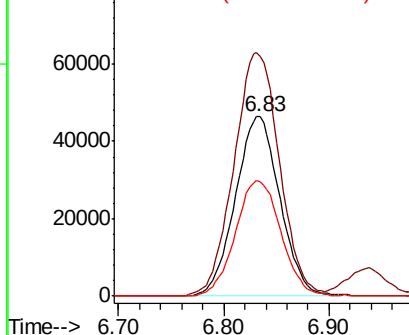


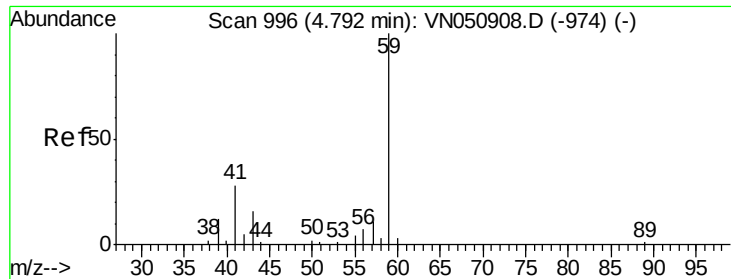
#22
 cis-1,2-Dichloroethene
 Concen: 17.24 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.6	110.0	165.0	
98	65.9	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

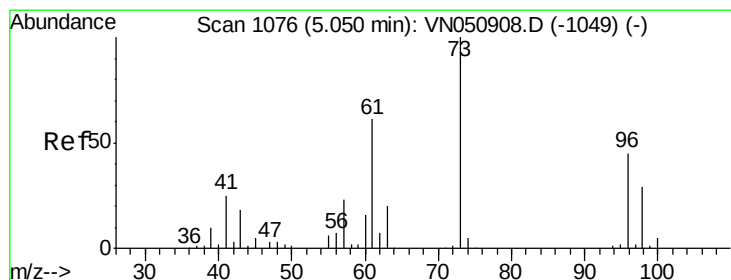
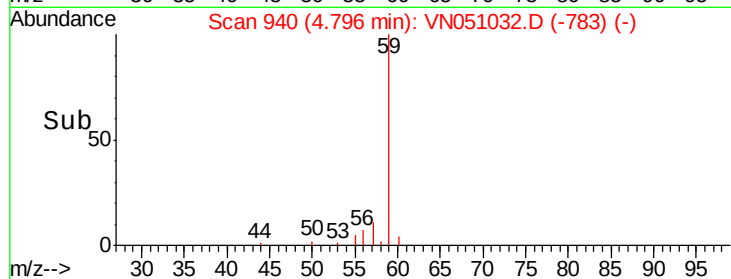
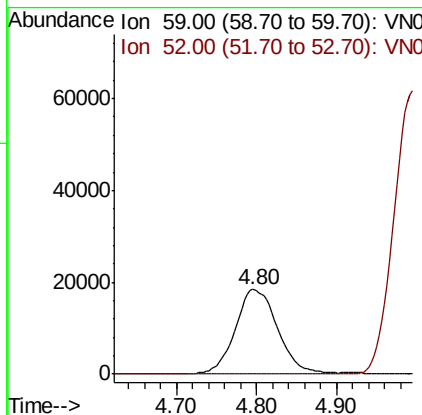
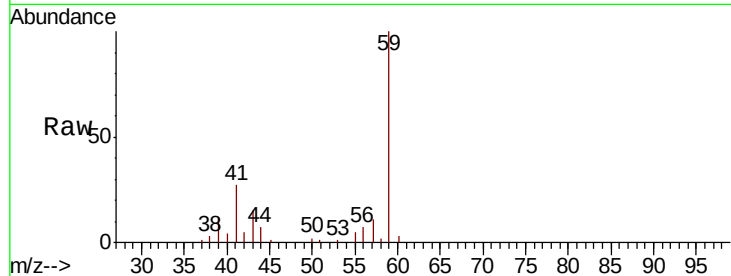
tert-Butyl Alcohol
 Concen: 122.06 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0906WBSD01

Tot Ion: 59 Resp: 66583
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

Manual Integrations
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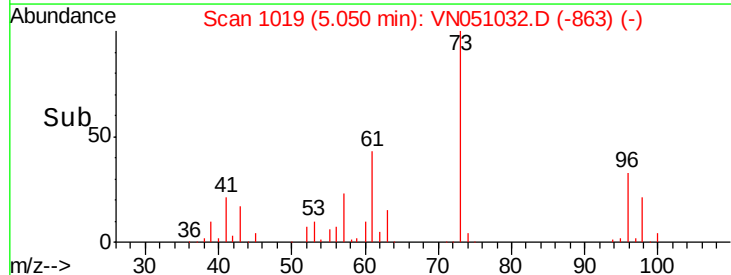
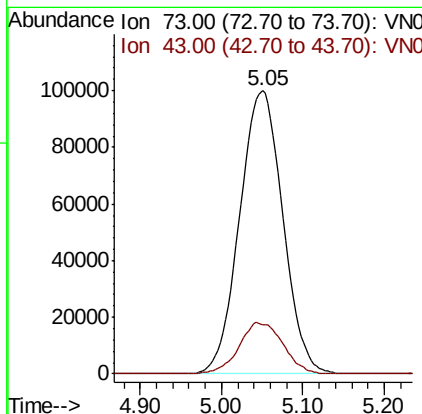
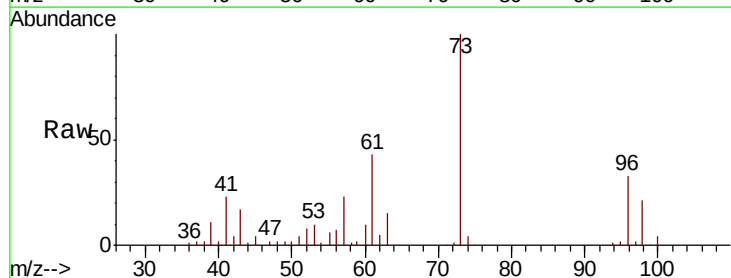
MMDadoda
 9/7/2018 11:23:21 AM

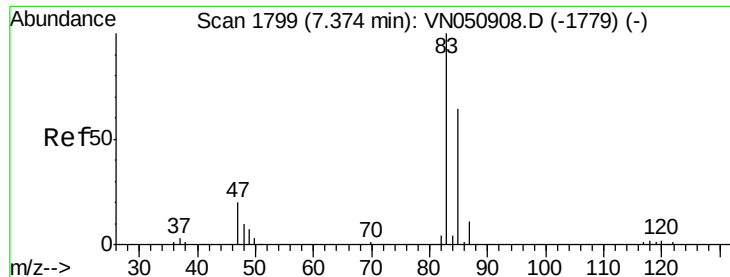


#24

Methyl tert-Butyl Ether
 Concen: 20.47 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Tgt Ion: 73 Resp: 367240
 Ion Ratio Lower Upper
 73 100
 43 9.7 14.4 21.6#





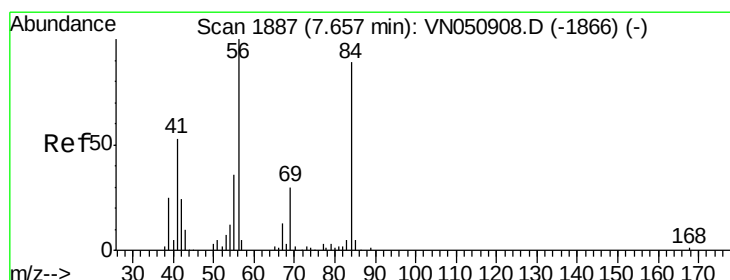
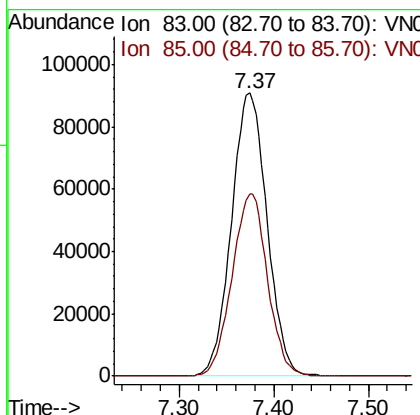
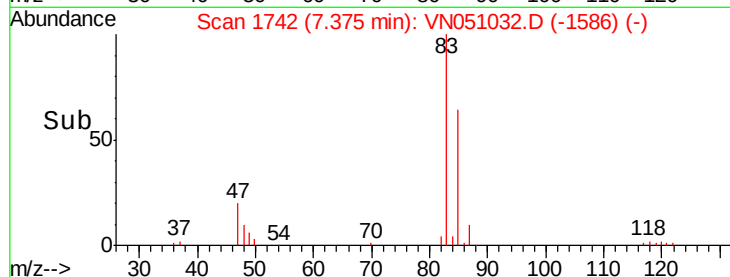
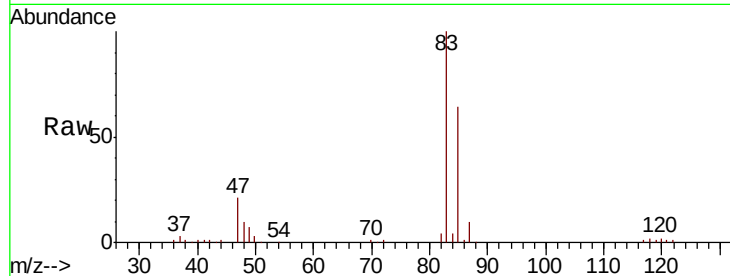
#25
Chloroform
Concen: 18.11 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0906WBSD01

Tot Ion	83	Resp	237513
Ion Ratio	100	Lower	Upper
85	64.3	51.4	77.0

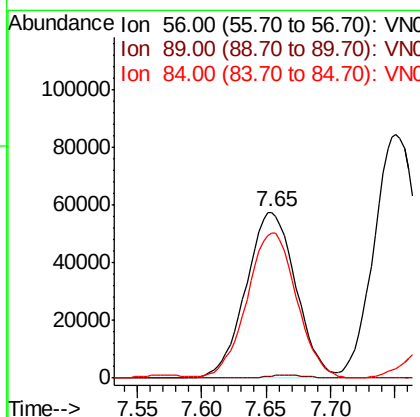
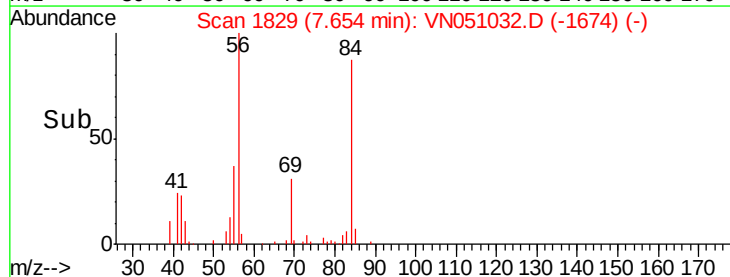
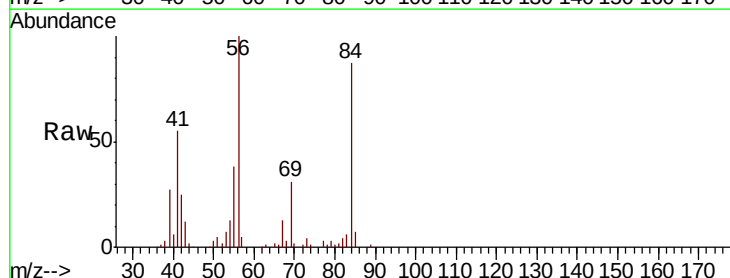
Manual Integrations
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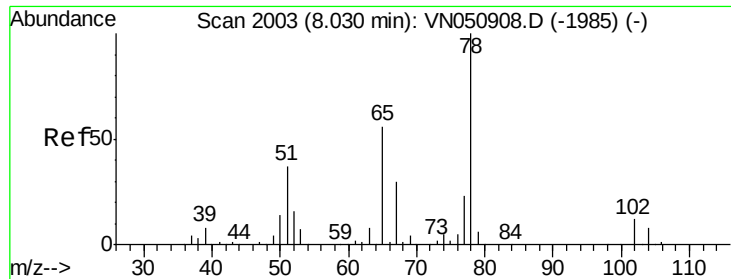
MMDadoda
9/7/2018 11:23:21 AM



#26
Cyclohexane
Concen: 14.27 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Tgt Ion	56	Resp	155361
Ion Ratio	100	Lower	Upper
89	1.3	0.4	0.6#
84	87.0	70.4	105.6





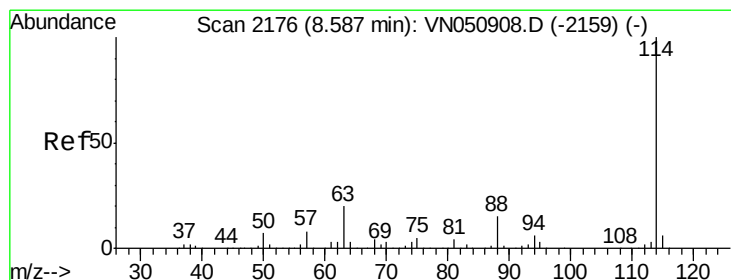
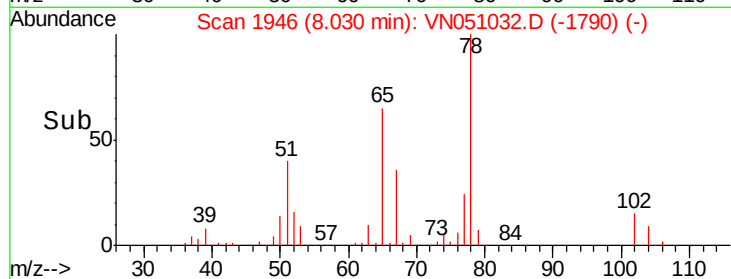
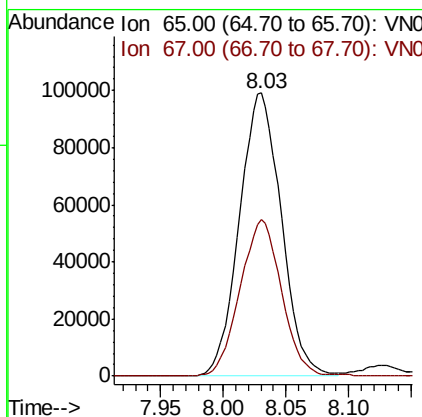
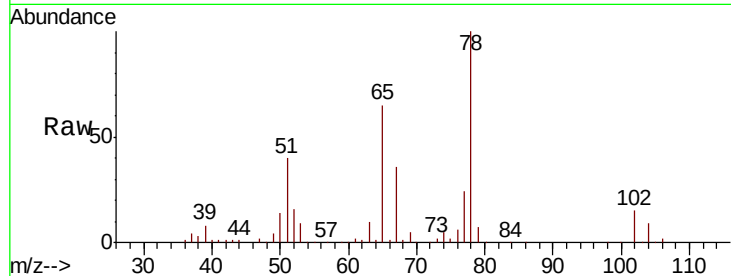
#27
 1,2-Dichloroethane-d4
 Concen: 29.73 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion: 65 Resp: 230348
 Ion Ratio Lower Upper
 65 100
 67 54.6 43.7 65.5

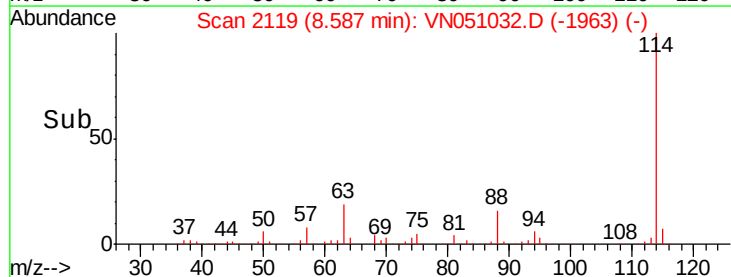
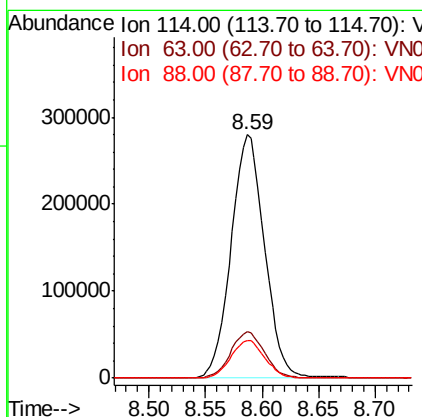
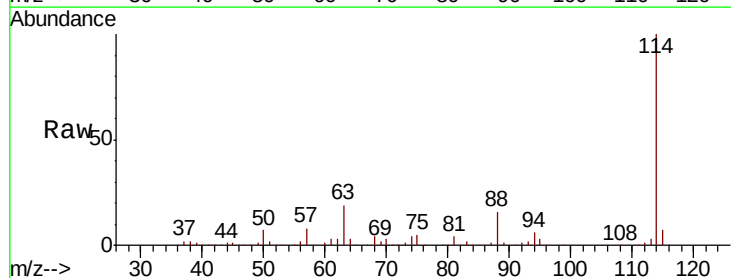
Manual Integrations
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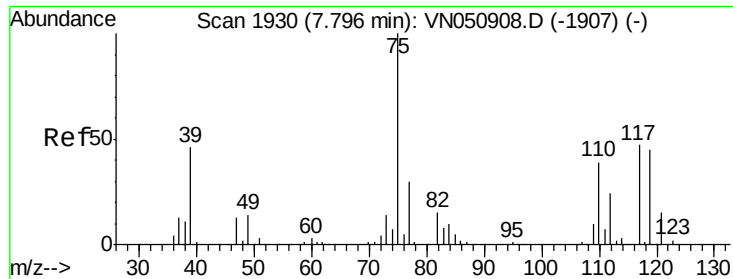
MMDadoda
 9/7/2018 11:23:21 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Tgt Ion: 114 Resp: 577564
 Ion Ratio Lower Upper
 114 100
 63 19.2 15.6 23.4
 88 15.7 12.2 18.4





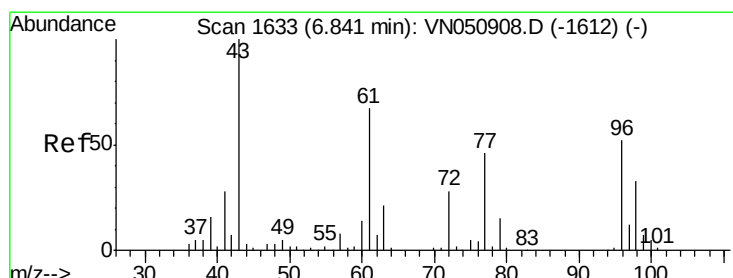
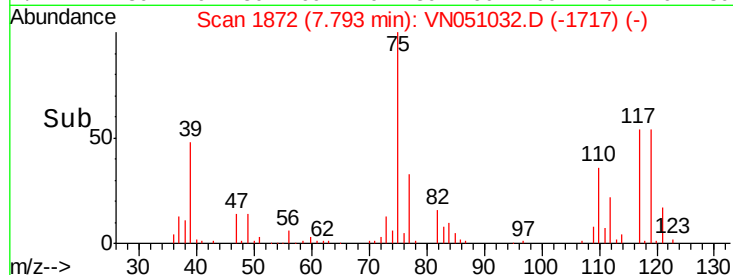
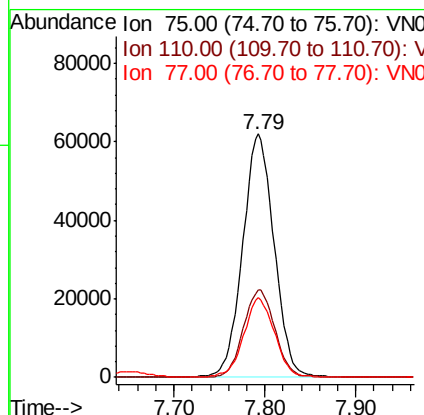
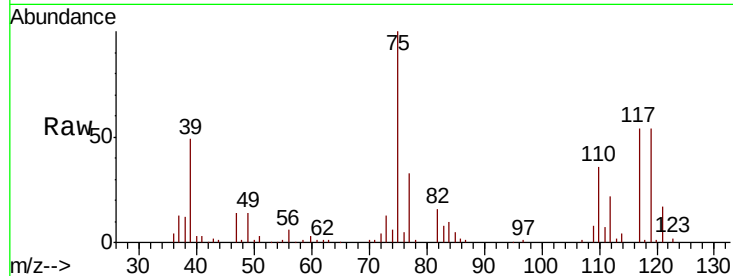
#29
 1,1-Dichloropropene
 Concen: 17.24 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.8	0.0	75.0
77	32.1	0.0	60.6

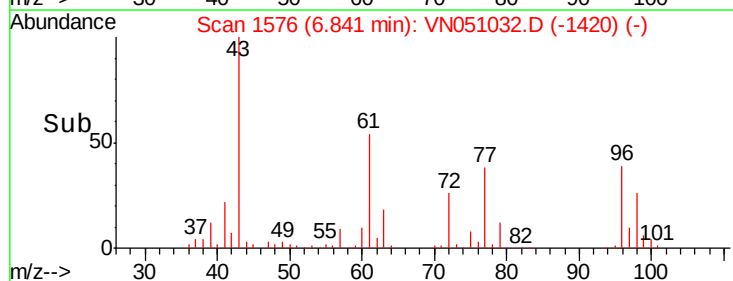
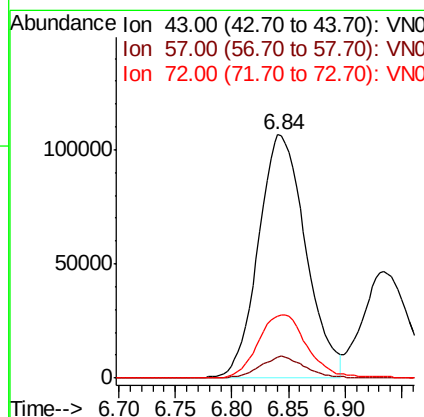
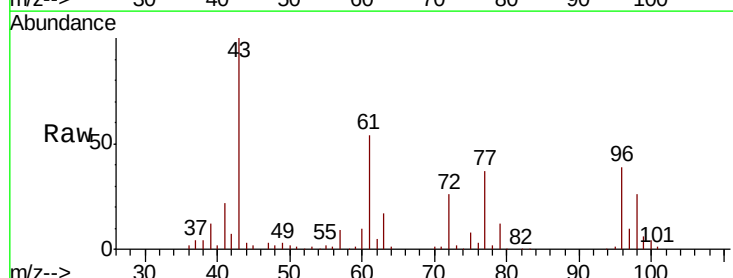
Manual Integrations
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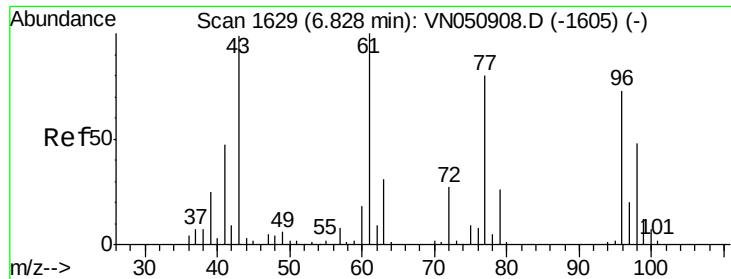
MMDadoda
 9/7/2018 11:23:21 AM



#30
 2-Butanone
 Concen: 116.19 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.5	6.9	10.3
72	27.0	22.8	34.2





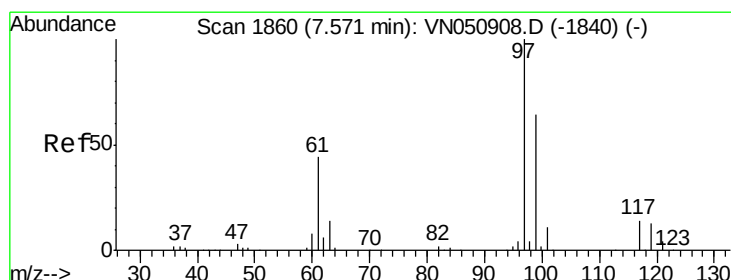
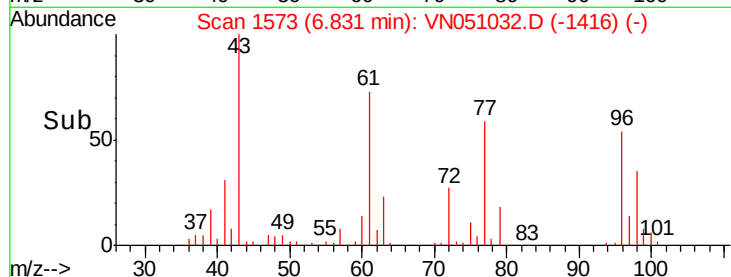
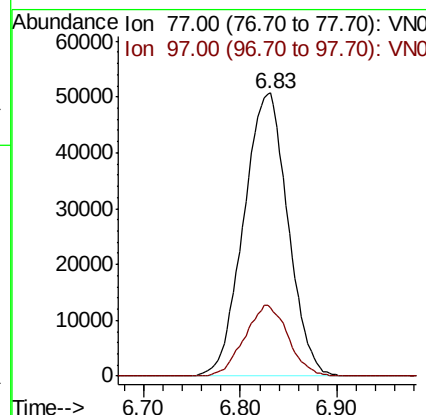
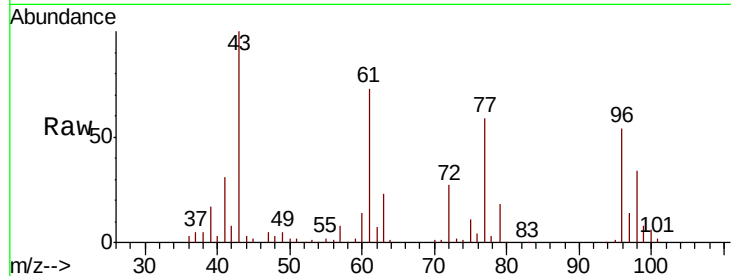
#31
 2,2-Dichloropropane
 Concen: 19.12 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion: 77 Resp: 160892
 Ion Ratio Lower Upper
 77 100
 97 24.5 20.2 30.2

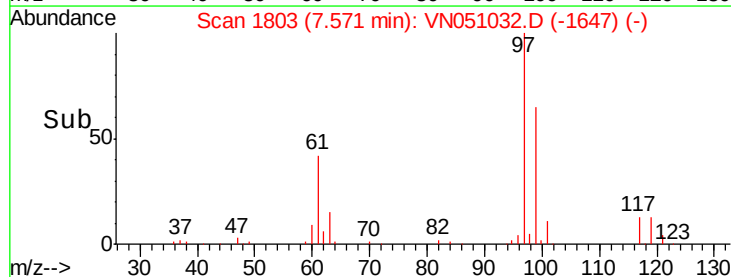
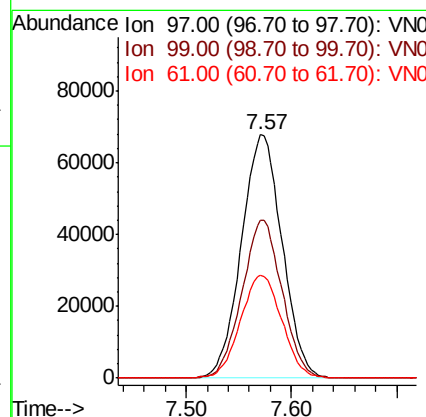
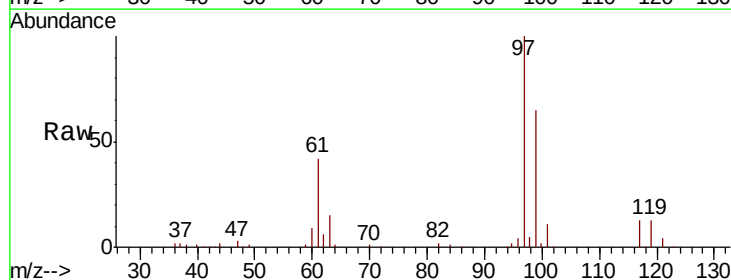
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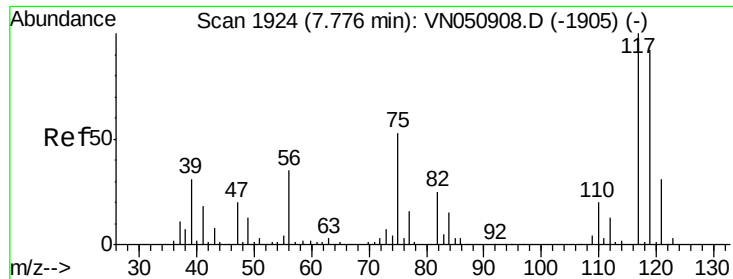
MMDadoda
 9/7/2018 11:23:21 AM



#32
 1,1,1-Trichloroethane
 Concen: 18.57 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Tgt Ion: 97 Resp: 182043
 Ion Ratio Lower Upper
 97 100
 99 63.8 52.0 78.0
 61 43.0 35.0 52.6





#33

Carbon Tetrachloride

Concen: 17.27 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Instrument :

MSVOA_N

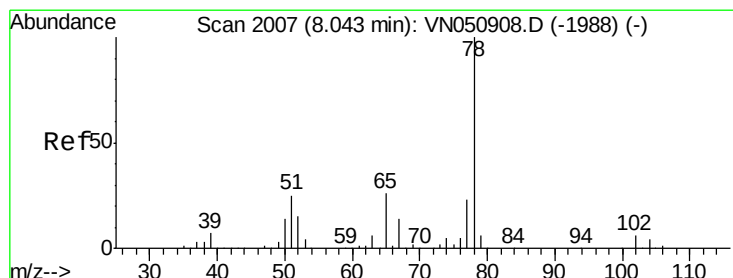
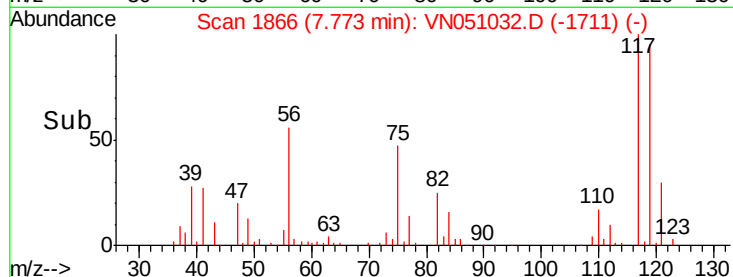
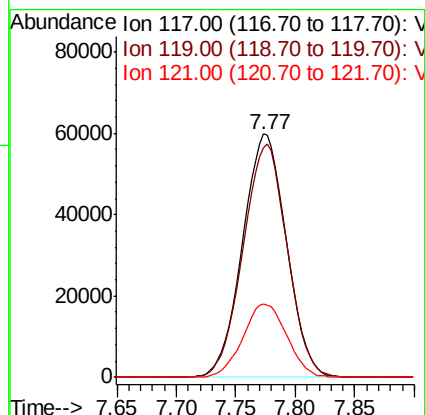
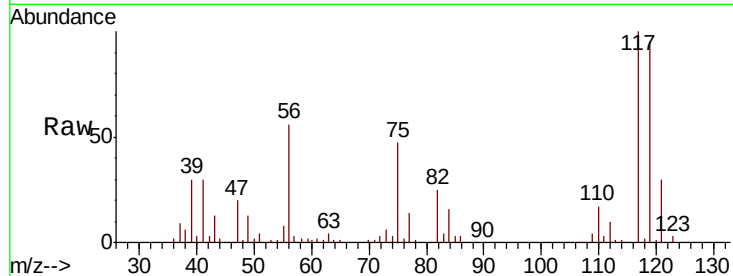
ClientSampleId :

VN0906WBSD01

Tot Ion:	117	Resp:	152453
Ion Ratio	Lower	Upper	
117	100		
119	94.5	73.5	110.3
121	30.0	24.6	37.0

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#34

Benzene

Concen: 19.07 ug/l

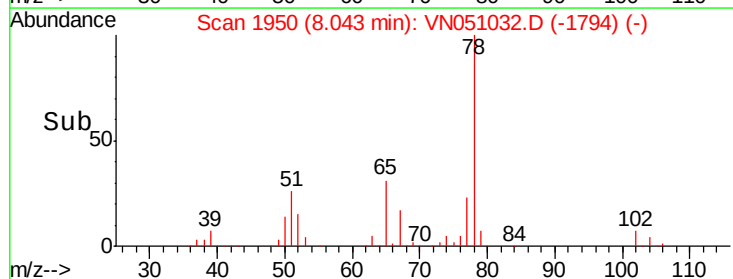
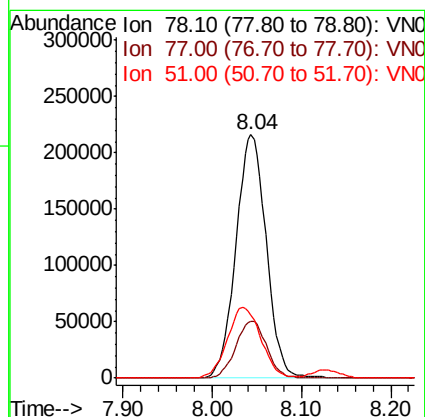
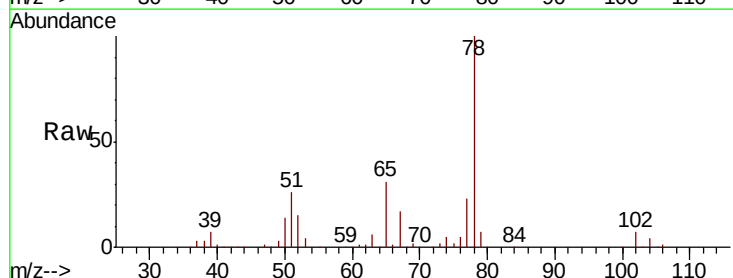
RT: 8.04 min Scan# 1950

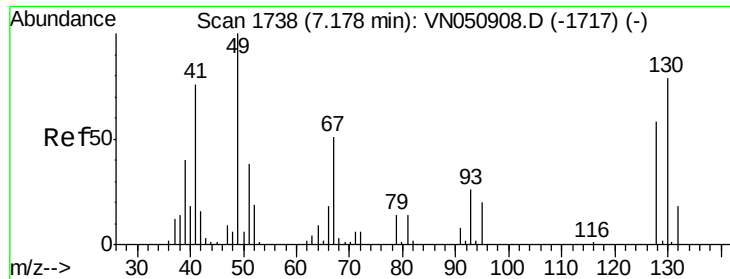
Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Tgt Ion:	78	Resp:	510068
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.6	28.0
51	25.8	20.0	30.0





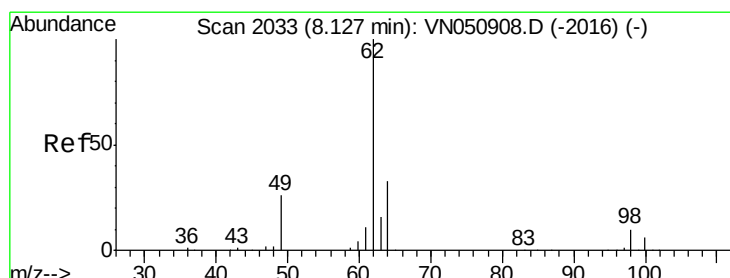
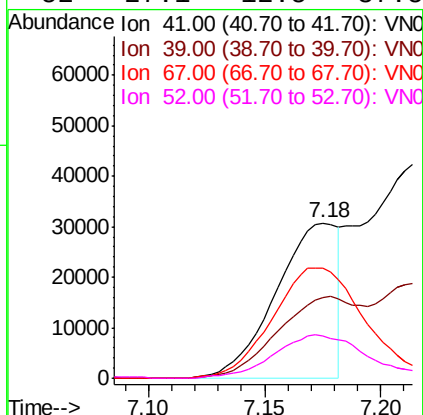
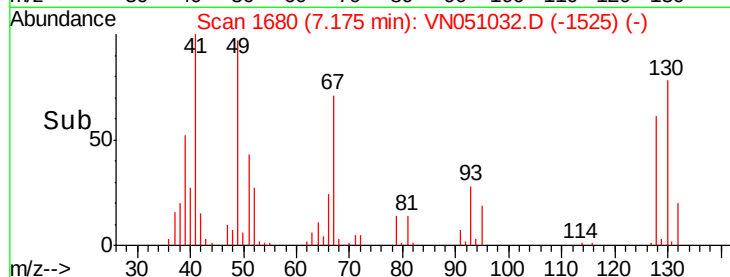
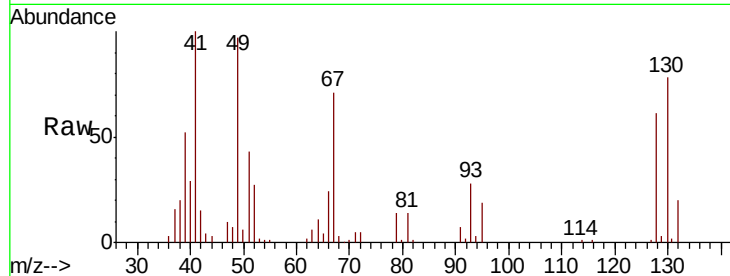
#35
Methacrylonitrile
Concen: 19.64 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	26.2	78.5	
67	70.7	33.9	101.6	
52	27.1	12.5	37.5	

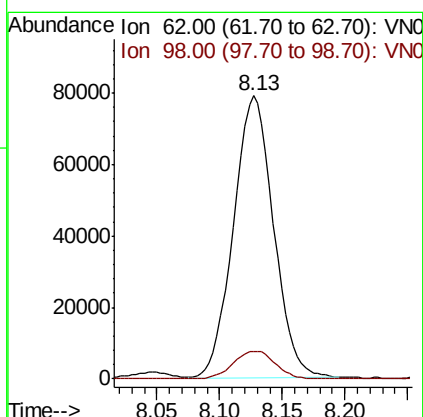
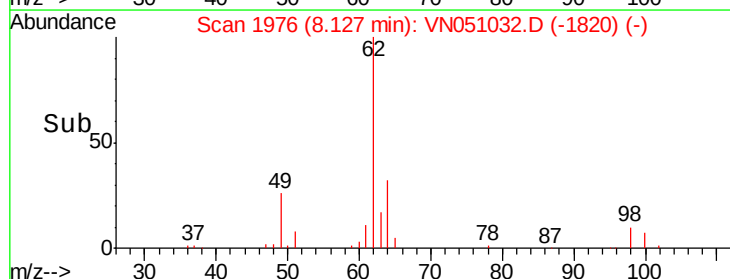
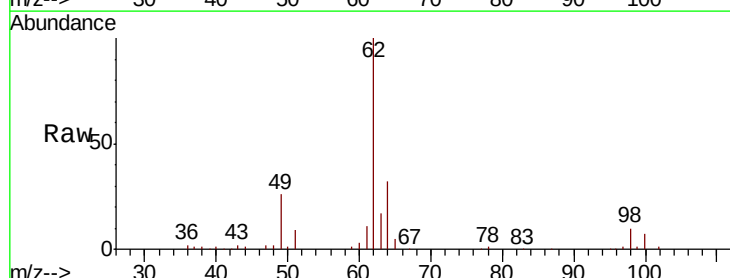
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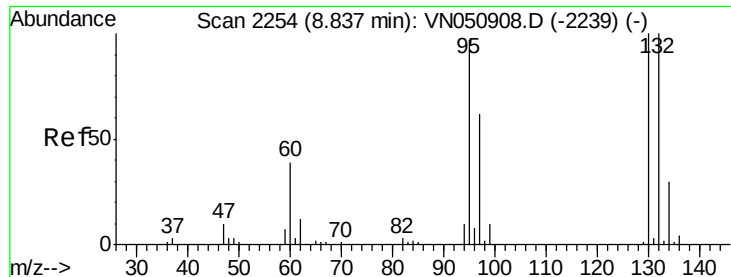
MMDadoda
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#36
1,2-Dichloroethane
Concen: 21.71 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

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





#37

Trichloroethene

Concen: 18.35 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBSD01

Tot Ion:130 Resp: 128327

Ion Ratio Lower Upper

130 100

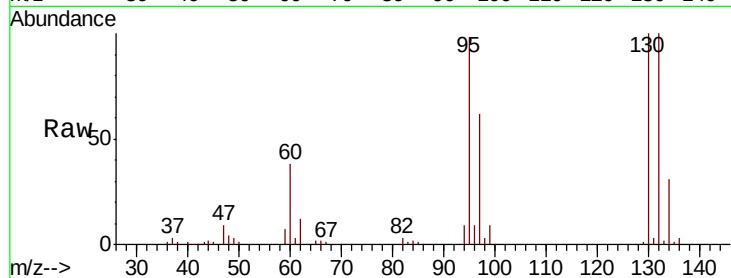
95 98.5 77.4 116.0

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

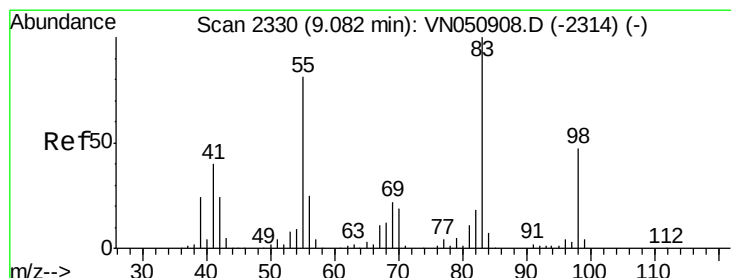
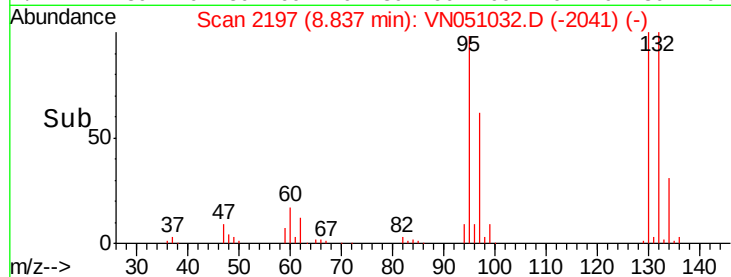
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 15.88 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

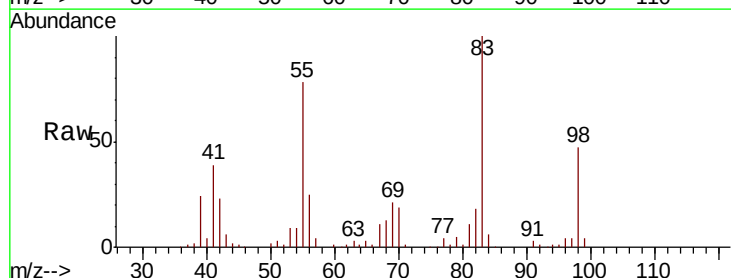
Tgt Ion: 83 Resp: 147480

Ion Ratio Lower Upper

83 100

55 78.3 38.9 116.7

98 46.4 22.9 68.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

80000

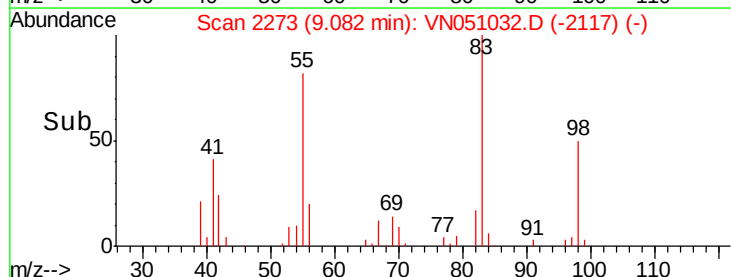
60000

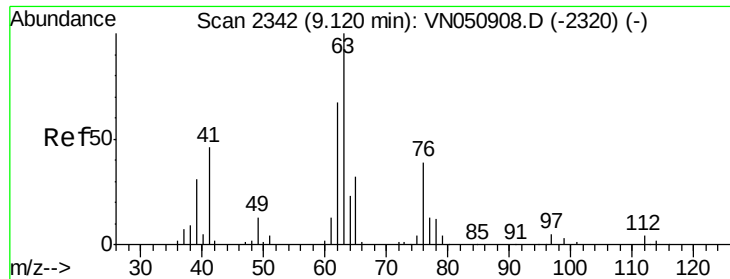
40000

20000

0

Time-->





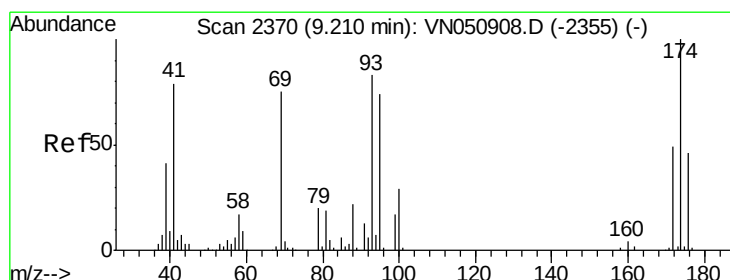
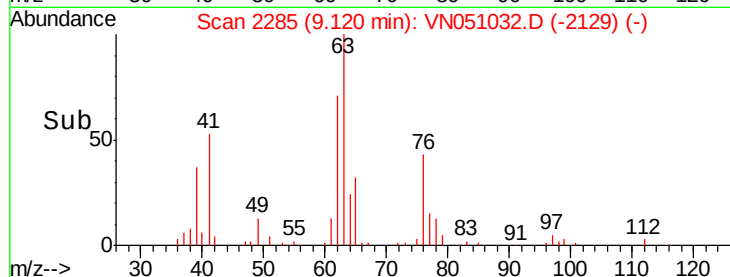
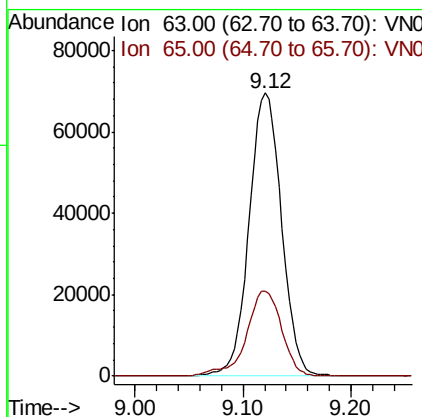
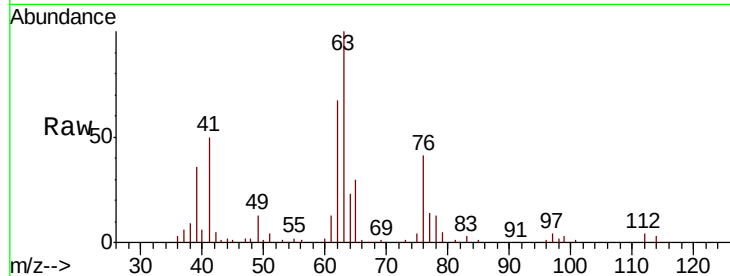
#39
 1,2-Dichloropropane
 Concen: 20.76 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0906WBSD01

Tot Ion	63	Resp	145028
Ion Ratio	Lower	Upper	
63	100		
65	30.0	25.6	38.4

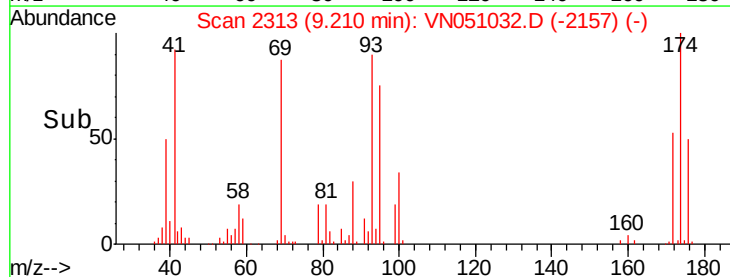
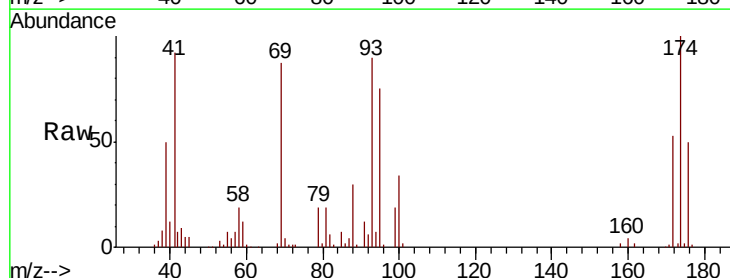
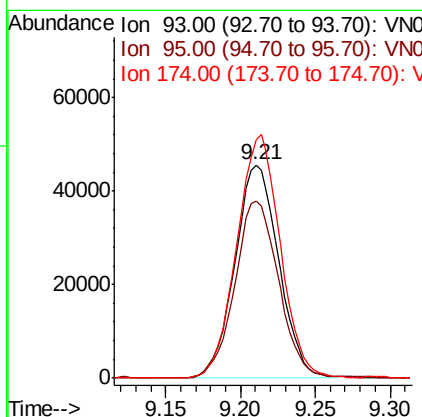
Manual Integrations
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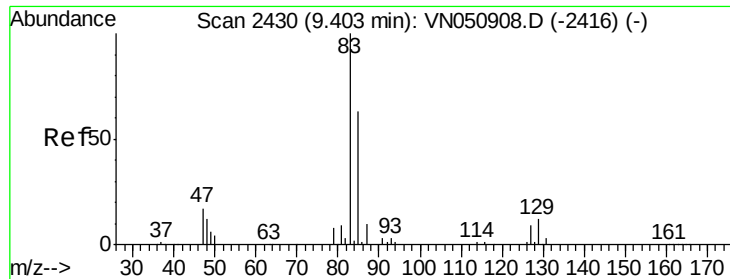
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 9/7/2018 11:23:21 AM



#40
 Dibromomethane
 Concen: 22.10 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Tgt Ion	93	Resp	92996
Ion Ratio	Lower	Upper	
93	100		
95	83.1	0.0	173.4
174	113.1	0.0	234.8





#41

Bromodichloromethane

Concen: 20.59 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Instrument :

MSVOA_N

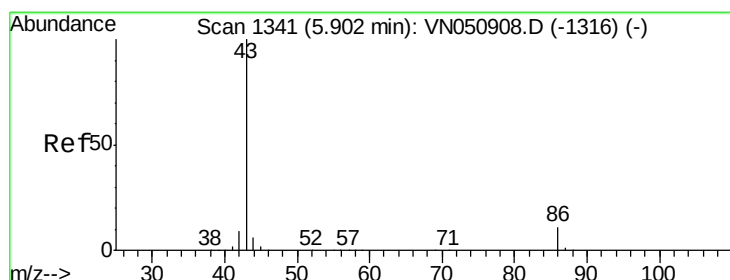
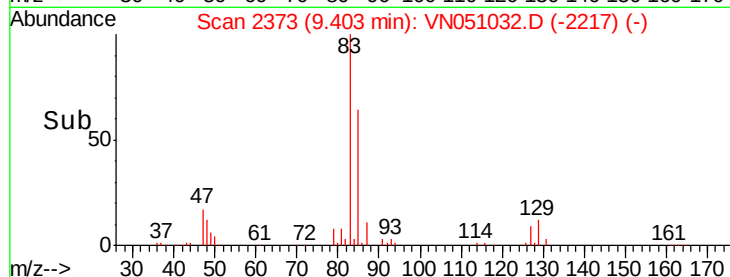
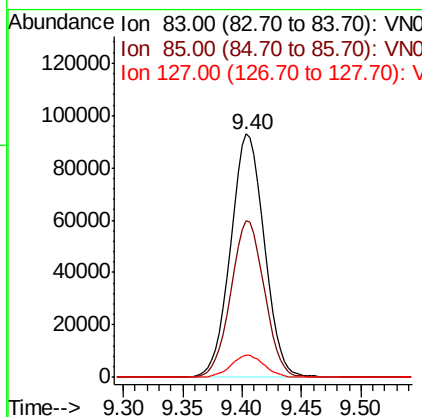
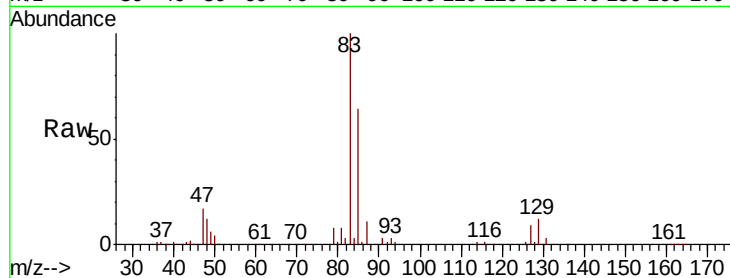
ClientSampleId :

VN0906WBSD01

Tot Ion:	83	Resp:	182661
Ion Ratio	Lower	Upper	
83	100		
85	64.2	50.6	76.0
127	9.2	7.1	10.7

Manual Integrations
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MMDadoda
9/7/2018 11:23:21 AM



#42

Vinyl Acetate

Concen: 104.27 ug/l

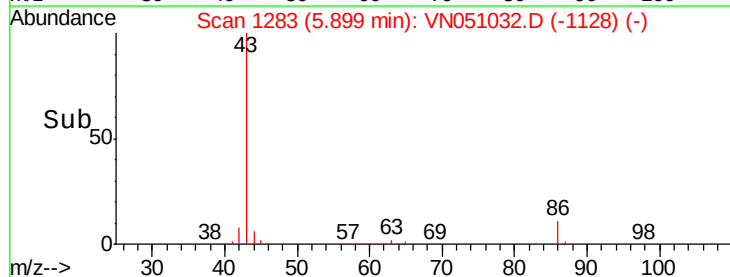
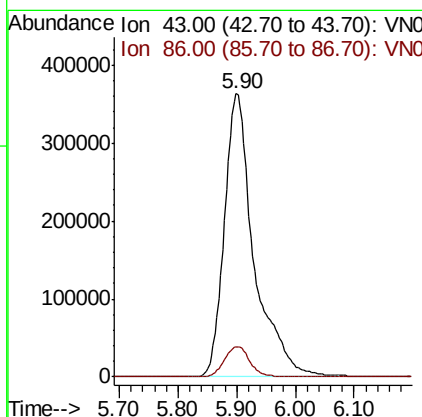
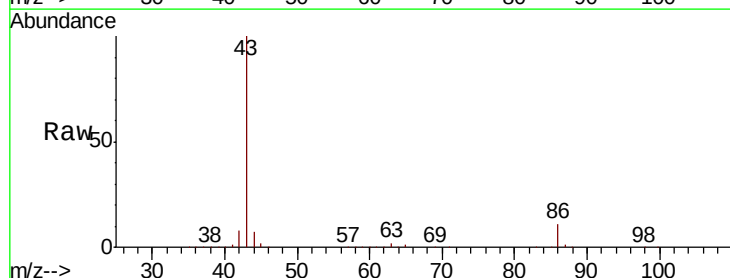
RT: 5.90 min Scan# 1283

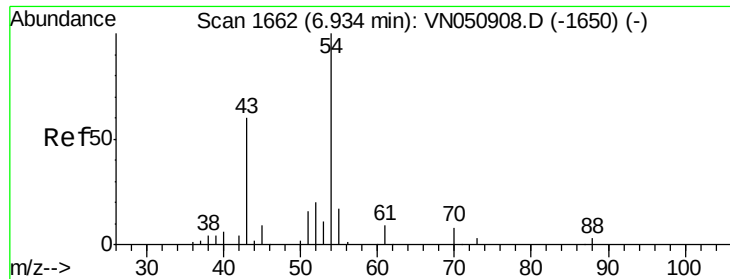
Delta R.T. -0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Tgt Ion:	43	Resp:	1277518
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.2	10.8





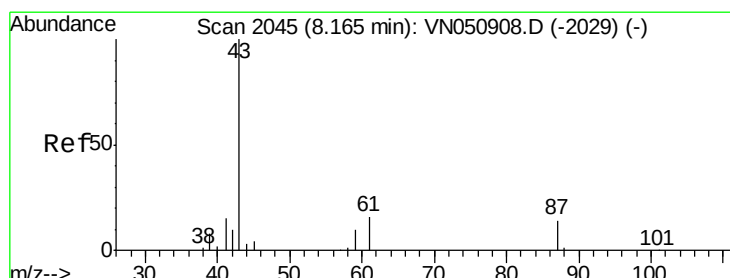
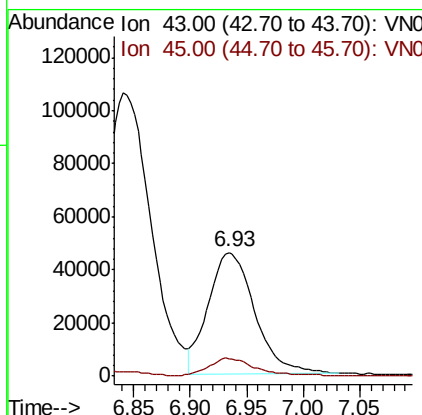
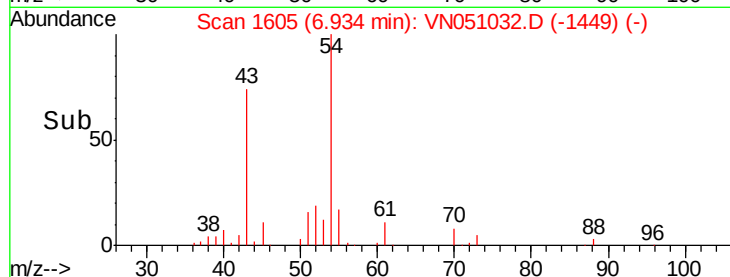
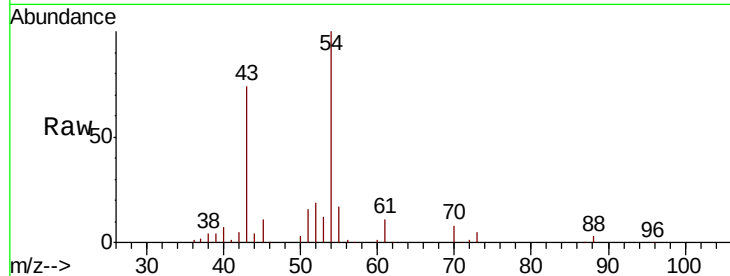
#43
Ethyl Acetate
Concen: 24.01 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Tot Ion: 43 Resp: 130840
Ion Ratio Lower Upper
43 100
45 13.0 10.2 15.2

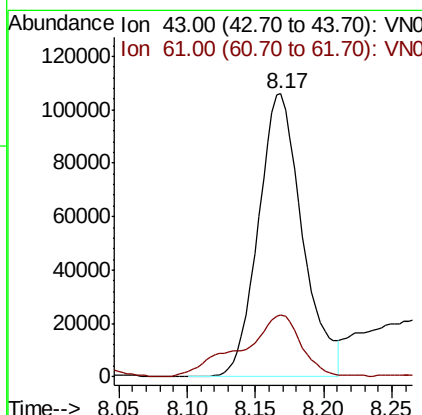
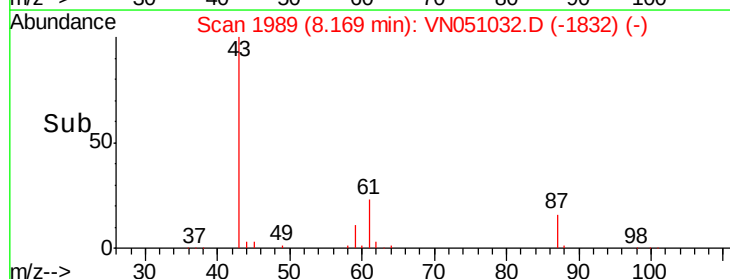
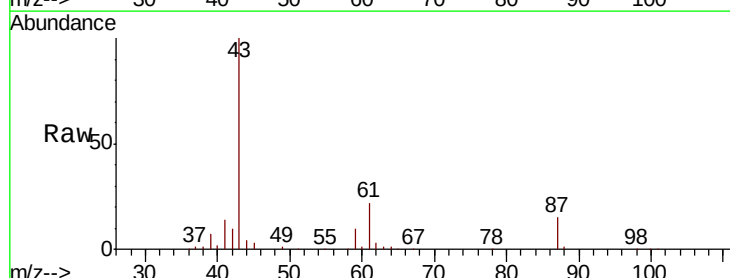
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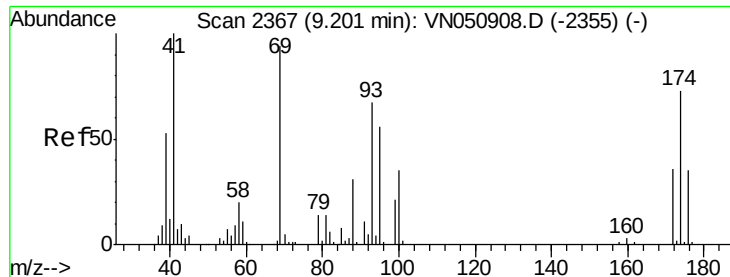
MMDadoda
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#44
Isopropyl Acetate
Concen: 24.65 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Tgt Ion: 43 Resp: 236996
Ion Ratio Lower Upper
43 100
61 20.5 16.3 24.5





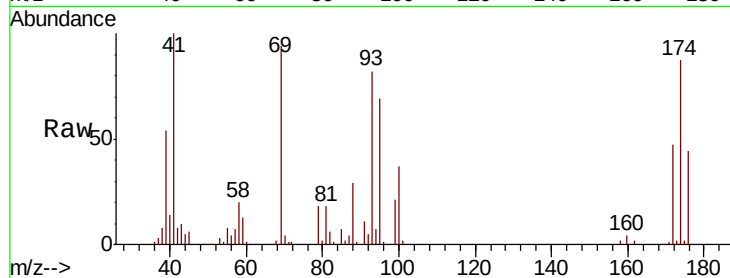
#45
 1,4-Dioxane
 Concen: 500.98 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.01 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.8	23.5	35.3
58	73.2	55.2	82.8

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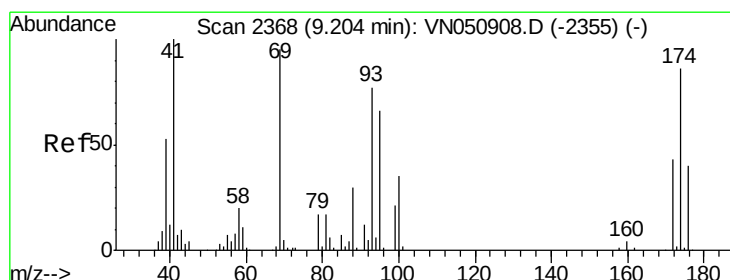
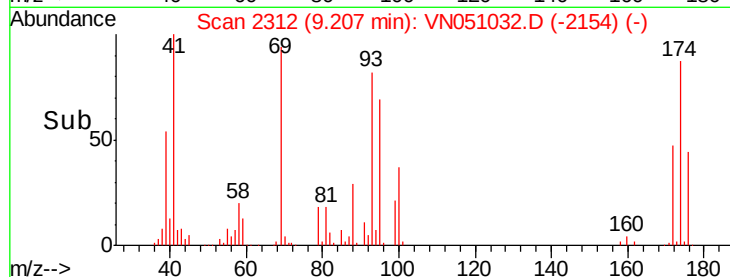
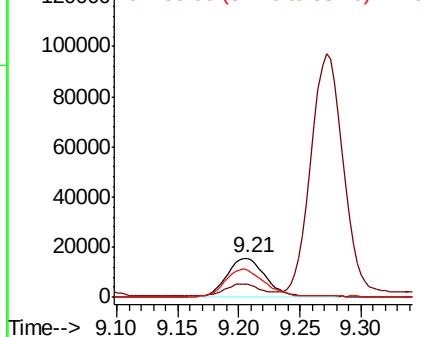


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
 Methyl methacrylate
 Concen: 23.44 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

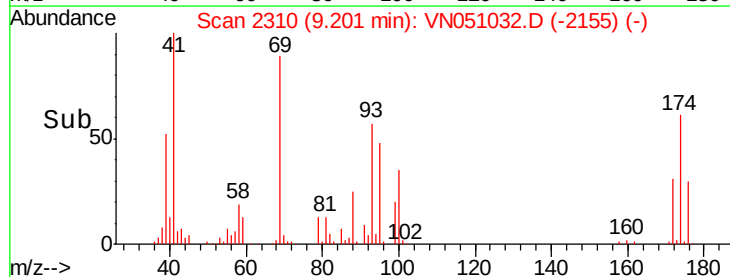
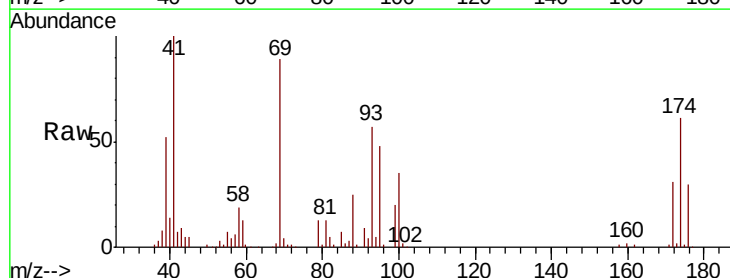
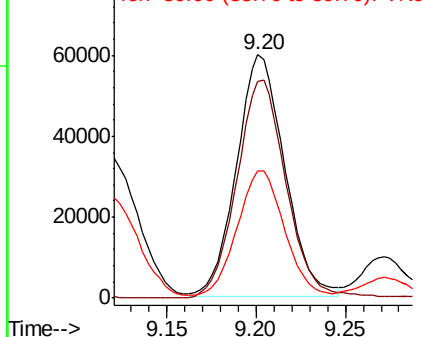
Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.2	47.4	142.2
39	51.9	26.6	79.7

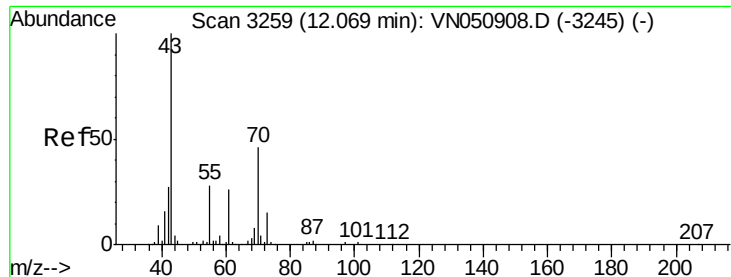
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 24.32 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Instrument :

MSVOA_N

ClientSampled :

VN0906WBSD01

Tot Ion: 43 Resp: 187980

Ion Ratio Lower Upper

43 100

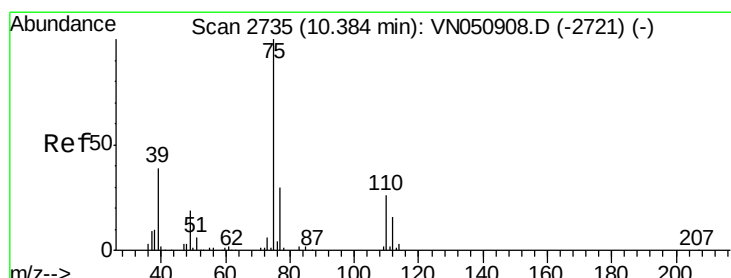
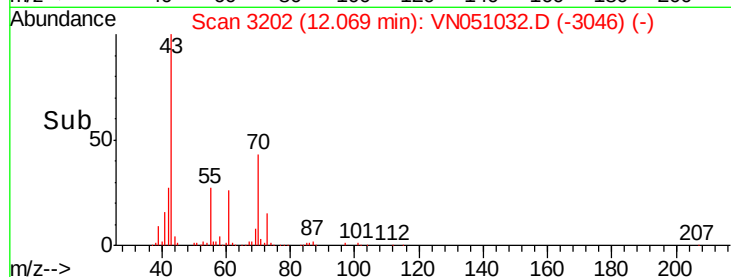
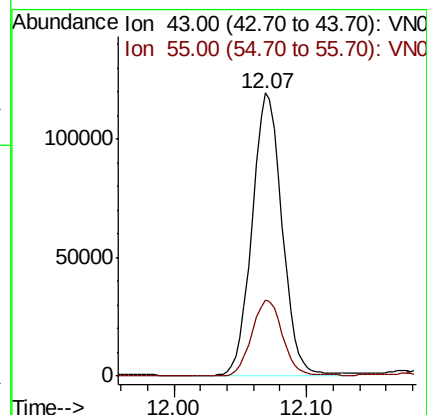
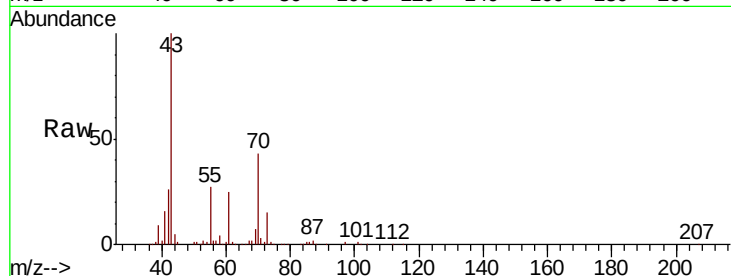
55 27.6 23.0 34.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 20.54 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051032.D

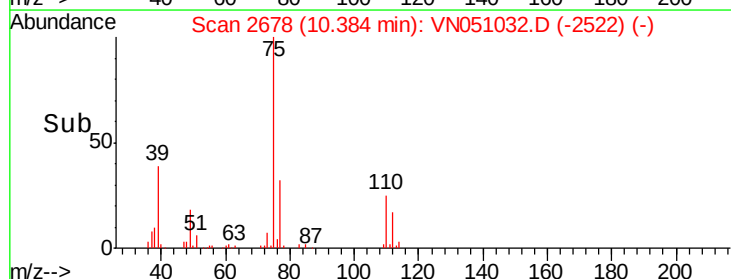
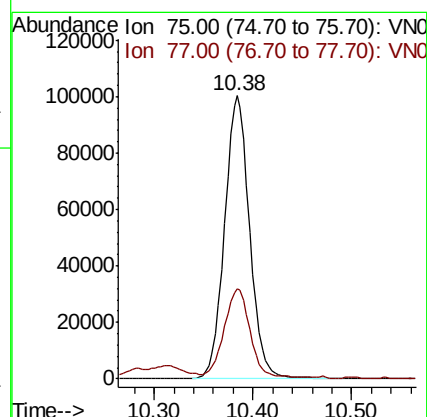
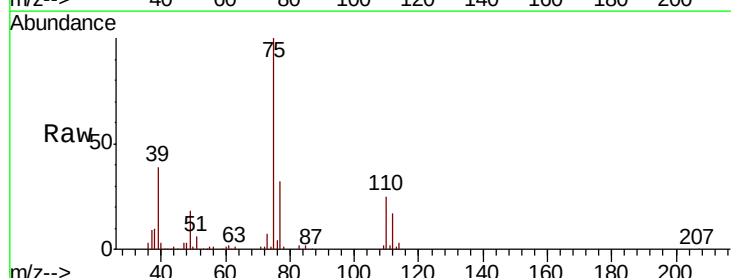
Acq: 6 Sep 2018 13:49

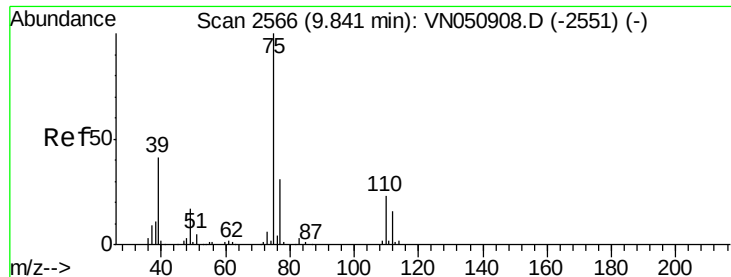
Tgt Ion: 75 Resp: 178598

Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2





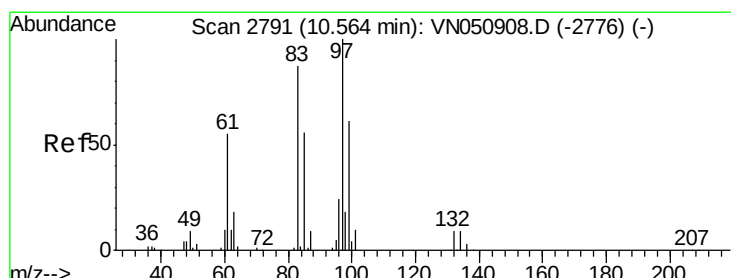
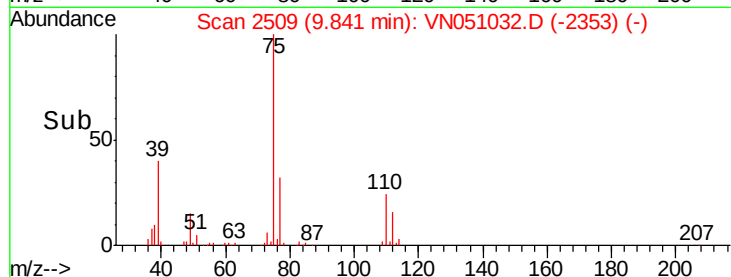
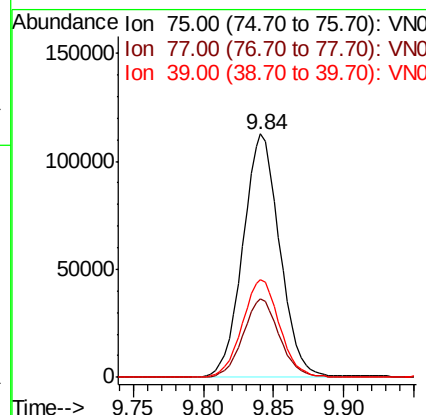
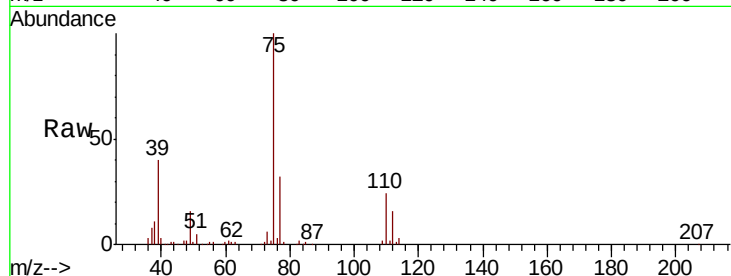
#49
 cis-1,3-Dichloropropene
 Concen: 20.61 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	205920		
77	32.2		25.0	37.4
39	40.2		32.9	49.3

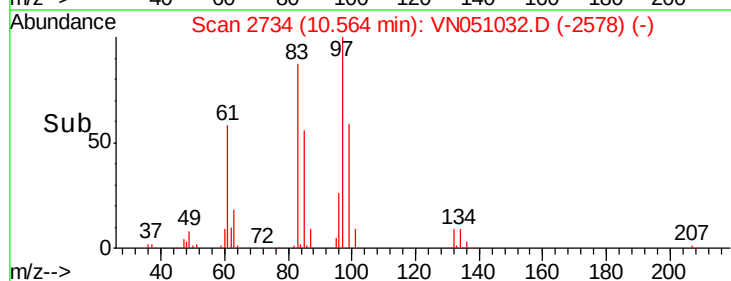
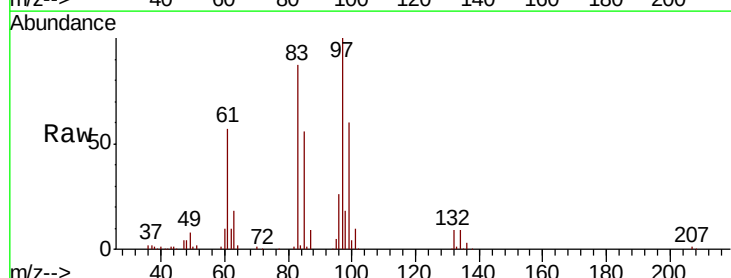
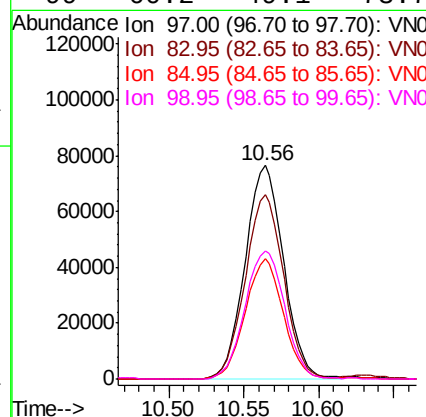
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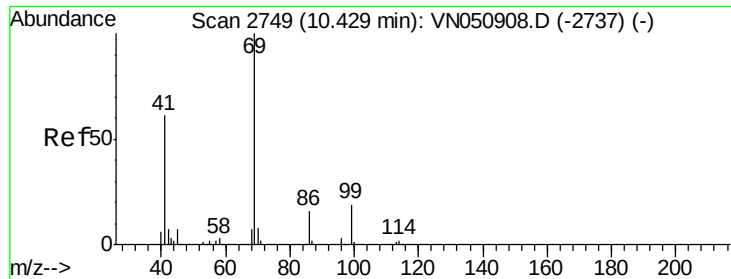
MMDadoda
 9/7/2018 11:23:21 AM



#50
 1,1,2-Trichloroethane
 Concen: 22.41 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	137037		
83	86.6		69.8	104.6
85	56.2		45.0	67.6
99	60.2		49.1	73.7





#51

Ethyl methacrylate

Concen: 21.93 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Instrument :

MSVOA_N

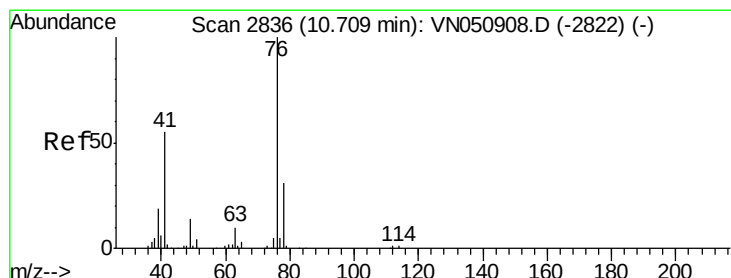
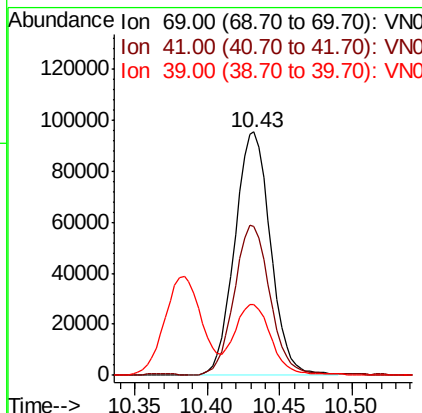
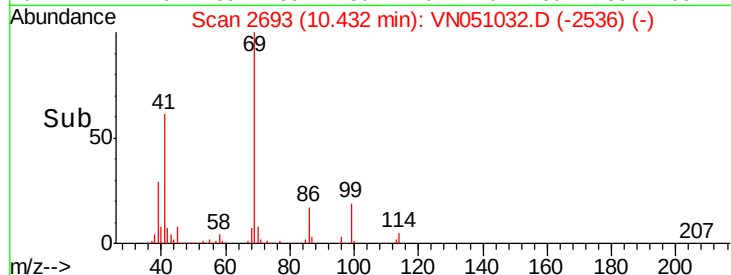
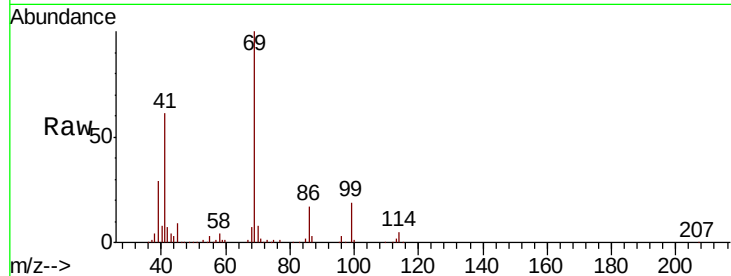
ClientSampleId :

VN0906WBSD01

Tot Ion:	69	Resp:	164031
Ion	Ratio	Lower	Upper
69	100		
41	61.0	30.5	91.5
39	28.3	15.3	45.8

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#52

1,3-Dichloropropane

Concen: 21.68 ug/l

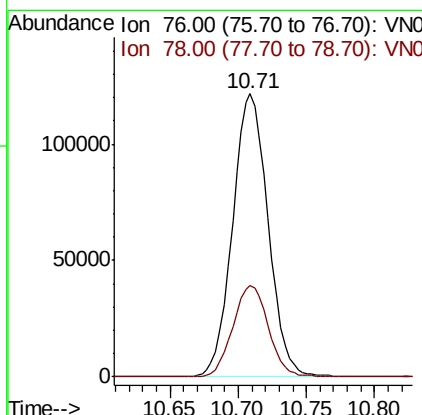
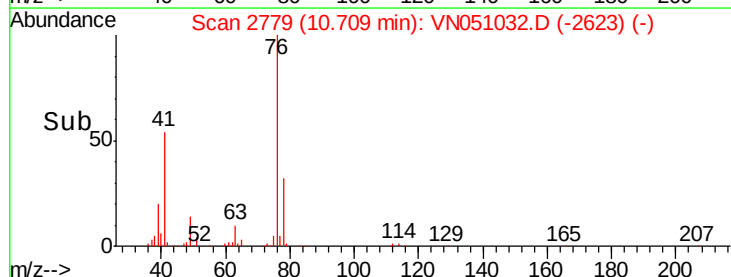
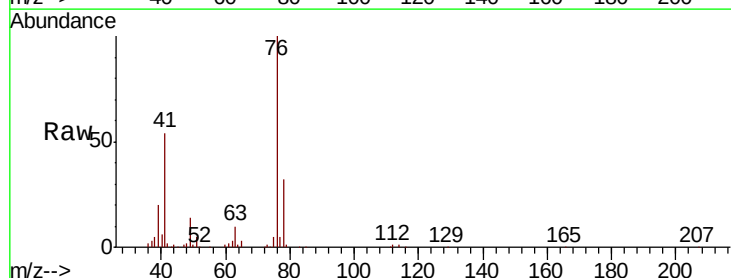
RT: 10.71 min Scan# 2779

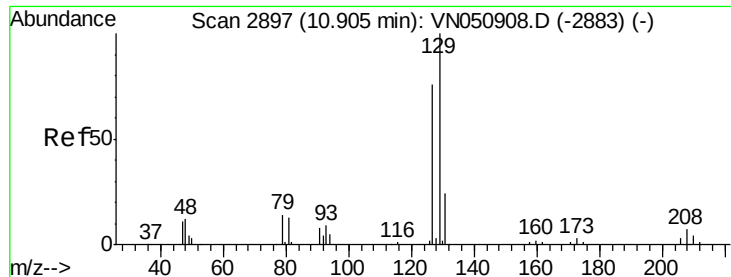
Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Tgt Ion:	76	Resp:	219561
Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	63.4





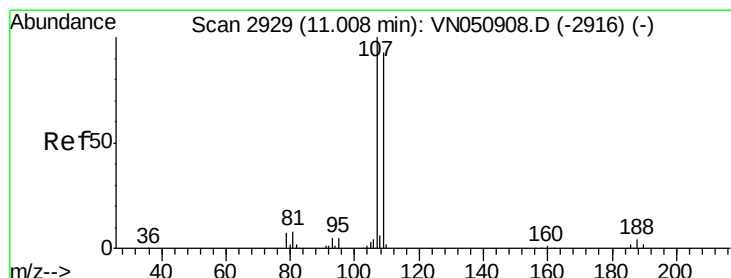
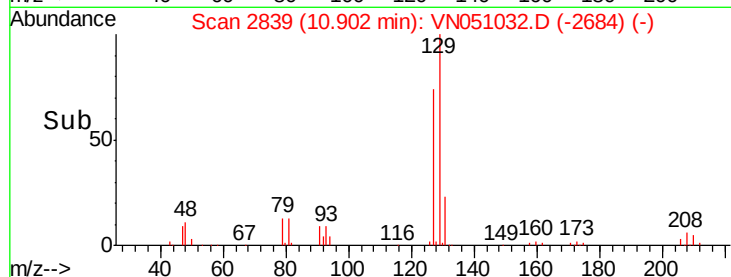
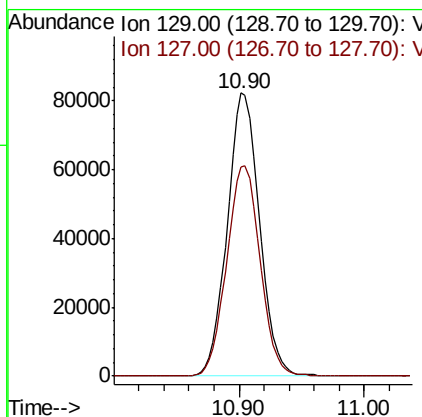
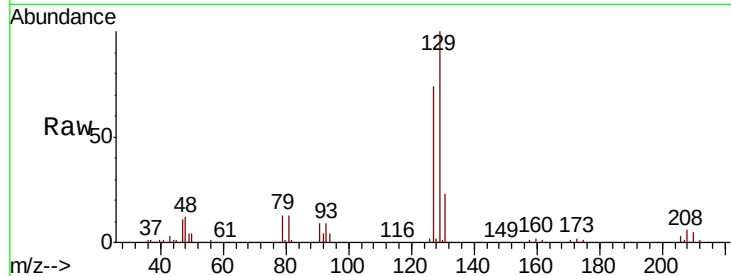
#53
Dibromochloromethane
Concen: 21.14 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0906WBSD01

Tot Ion:129 Resp: 147013
Ion Ratio Lower Upper
129 100
127 77.0 39.0 116.9

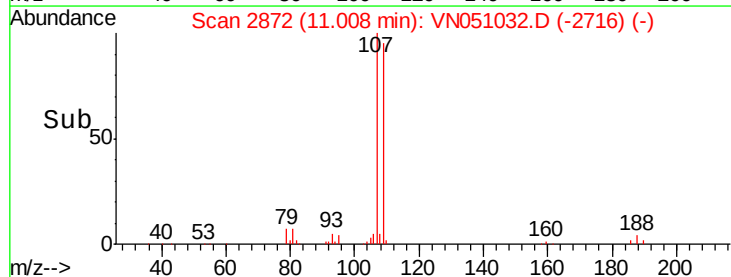
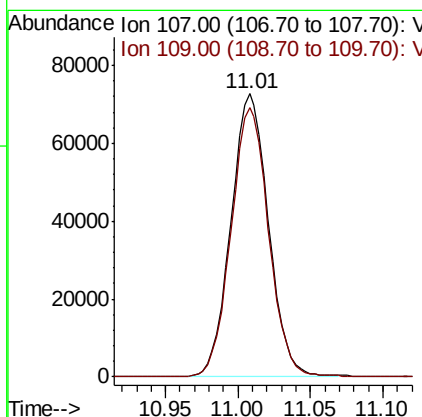
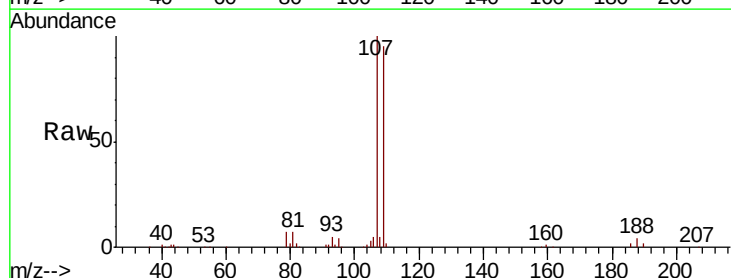
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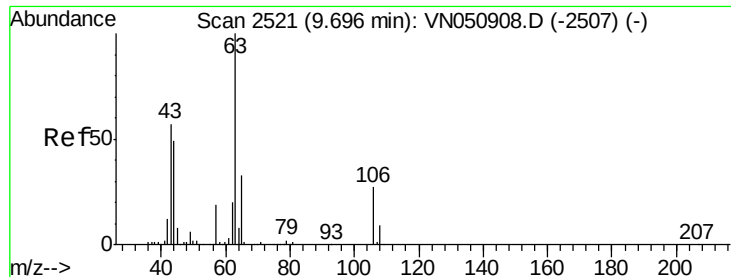
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#54
1,2-Dibromoethane
Concen: 21.55 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Tgt Ion:107 Resp: 130323
Ion Ratio Lower Upper
107 100
109 95.6 74.4 111.6





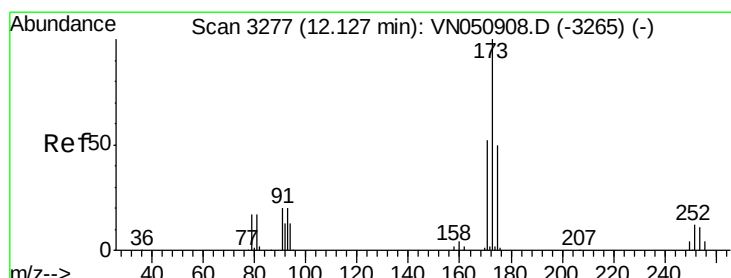
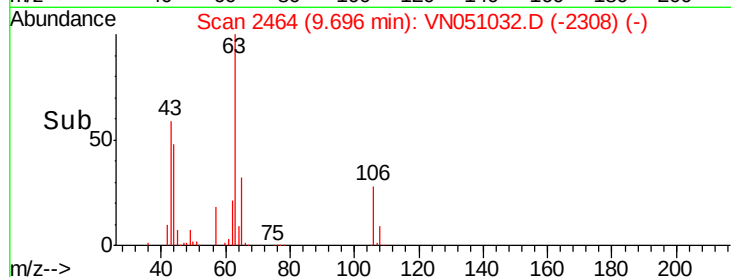
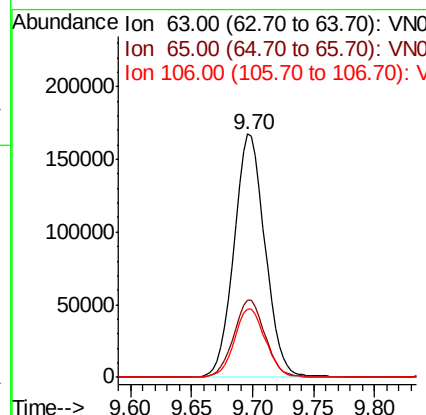
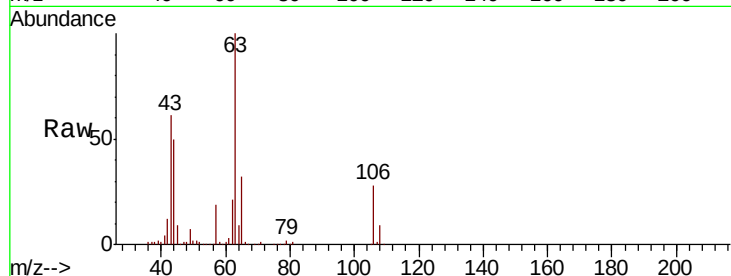
#55
2-Chloroethyl vinyl ether
Concen: 95.62 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Tot Ion:	63	Resp:	297660
Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.4	38.2
106	28.1	22.0	33.0

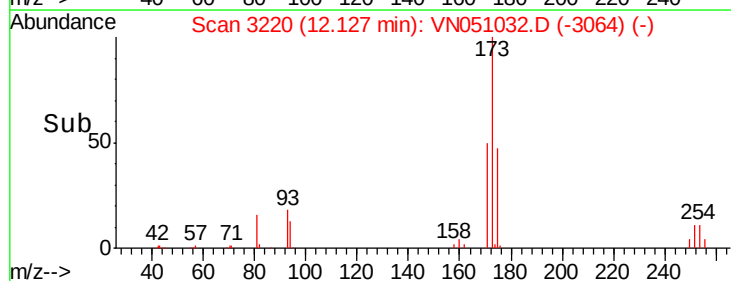
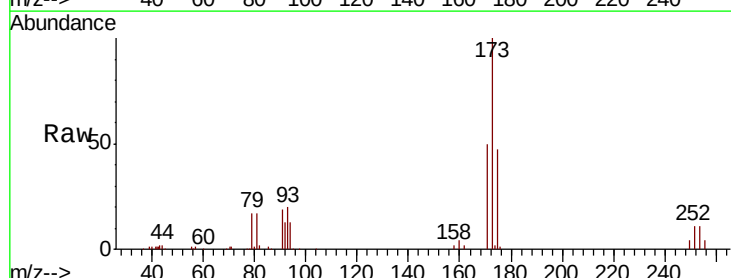
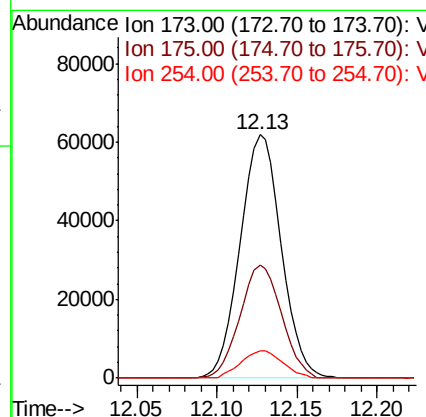
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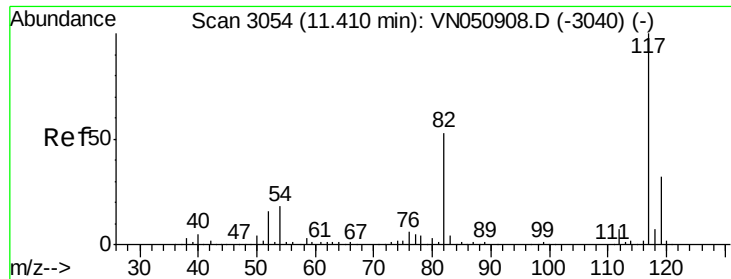
MMDadoda
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#56
Bromoform
Concen: 21.90 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Tgt Ion:	173	Resp:	108296
Ion	Ratio	Lower	Upper
173	100		
175	47.0	39.2	58.8
254	11.4	9.0	13.6





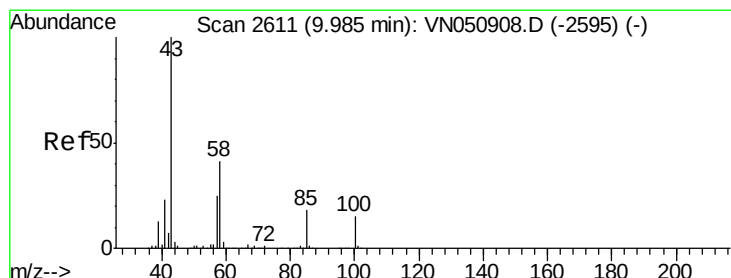
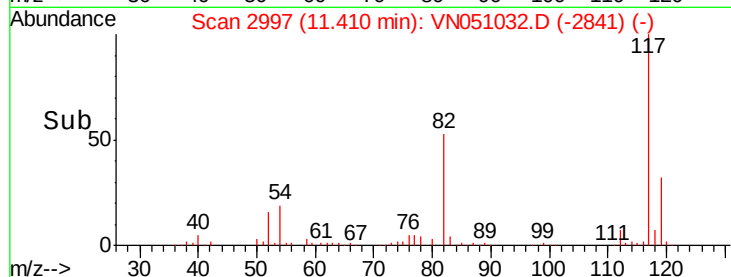
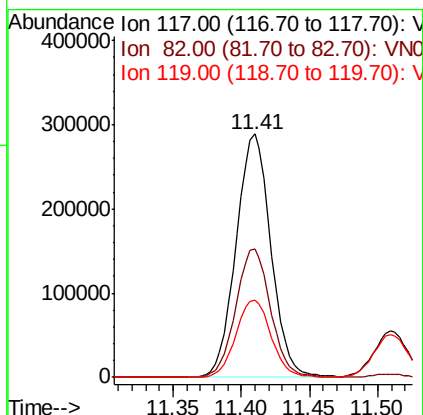
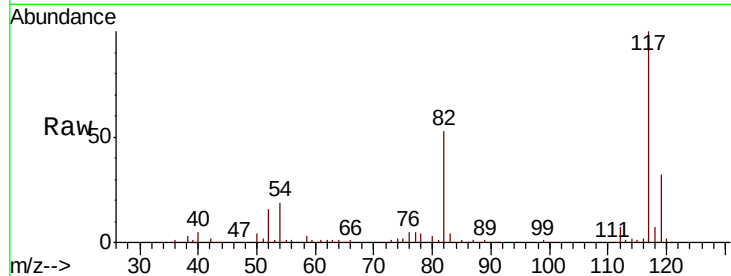
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.6	64.0
119	32.0	25.7	38.5

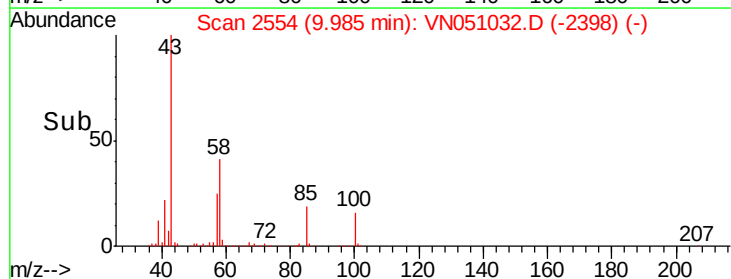
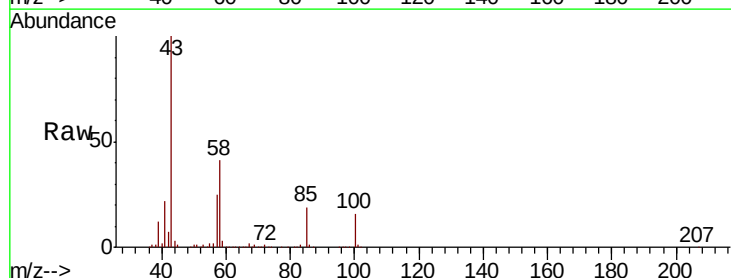
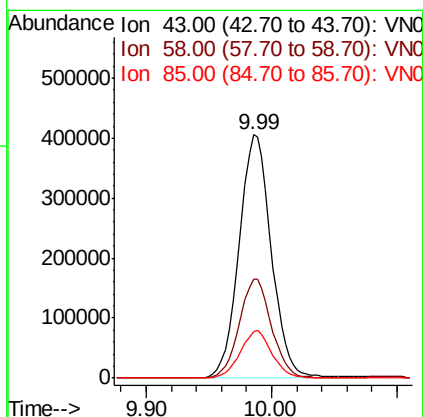
Manual Integrations
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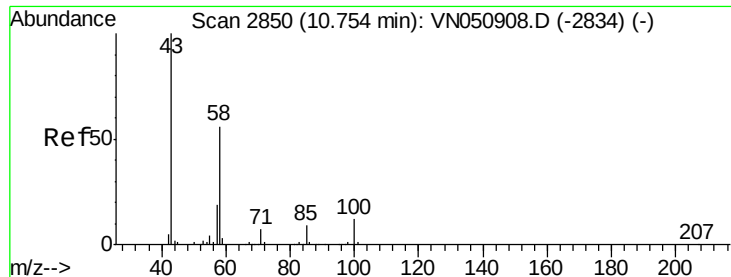
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#58
4-Methyl-2-Pentanone
Concen: 123.36 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.3	48.5
85	19.0	14.9	22.3





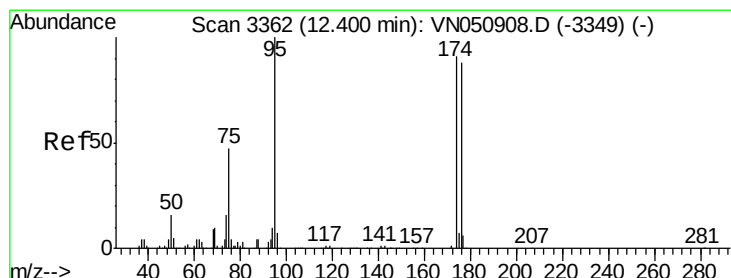
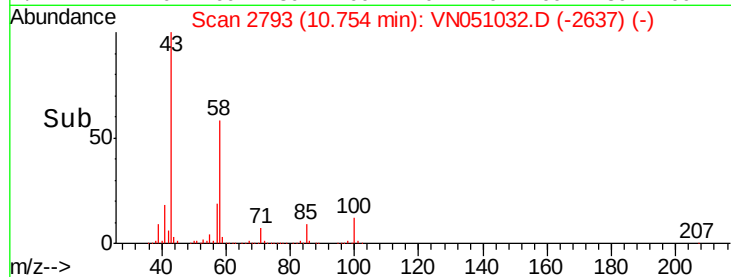
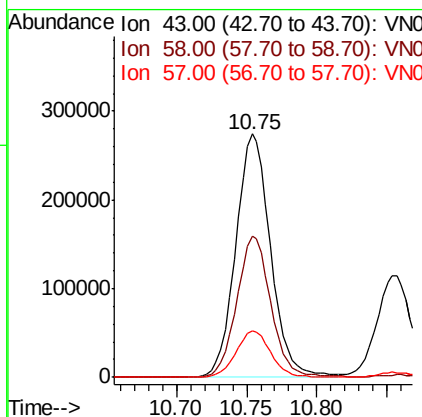
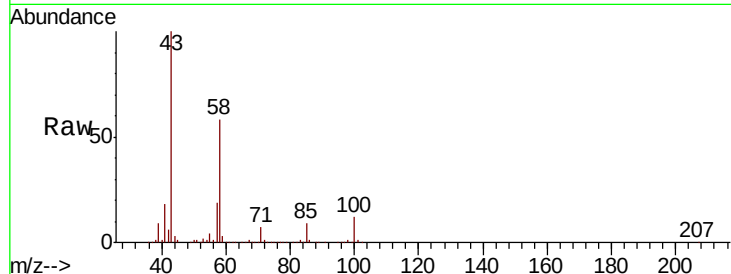
#59
2-Hexanone
Concen: 123.26 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.2	45.5	68.3
57	19.2	15.2	22.8

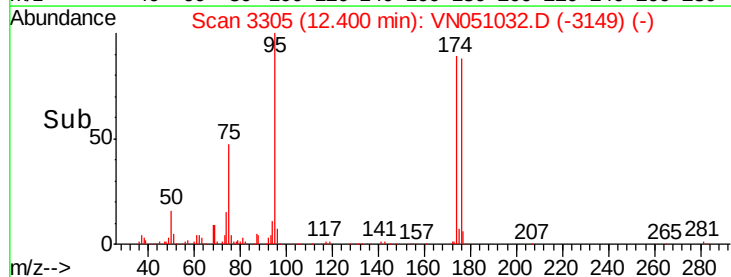
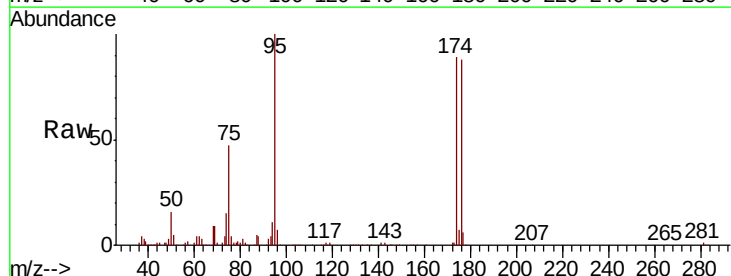
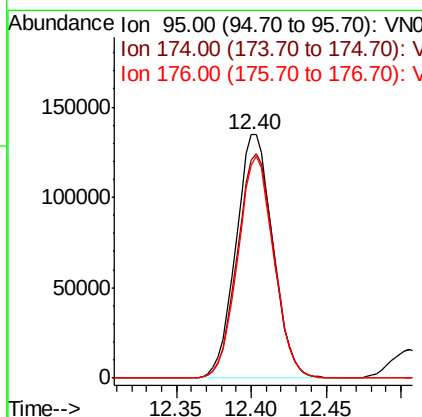
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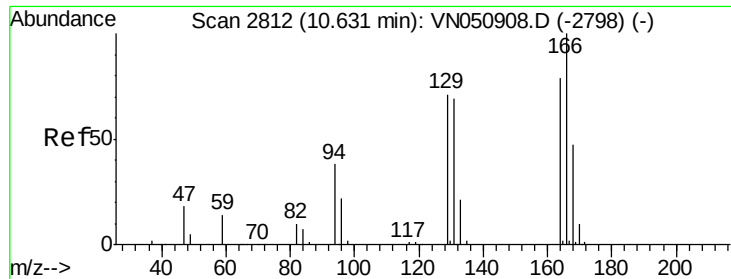
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 30.33 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.0	74.6	112.0
176	88.9	71.5	107.3





#61

Tetrachloroethene

Concen: 18.16 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBSD01

Tot Ion:164 Resp: 115997

Ion Ratio Lower Upper

164 100

166 126.2 100.6 151.0

129 89.2 71.0 106.6

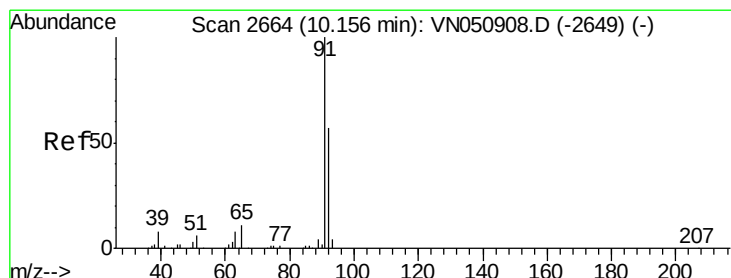
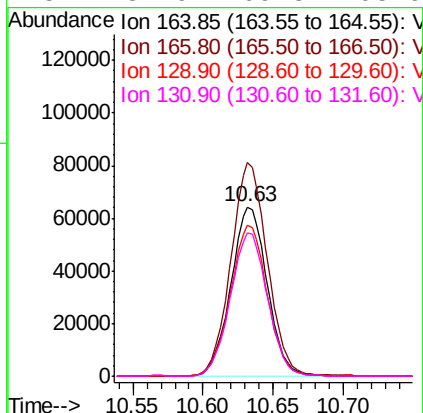
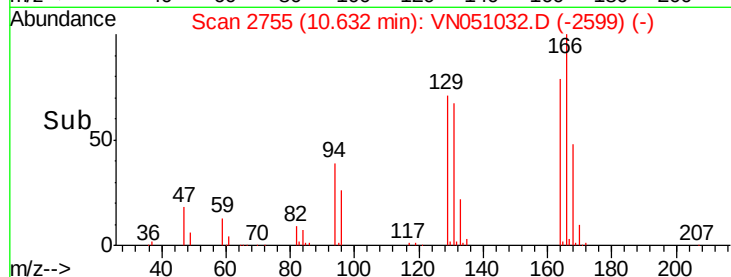
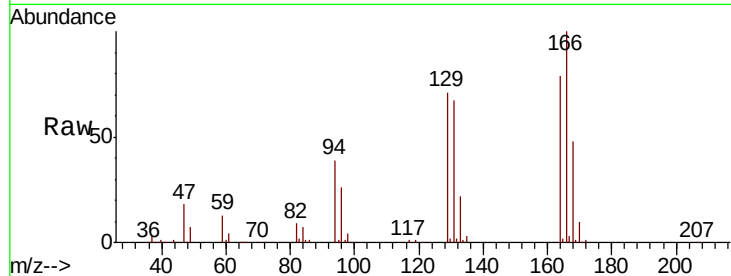
131 84.9 69.3 103.9

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#62

Toluene

Concen: 18.77 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051032.D

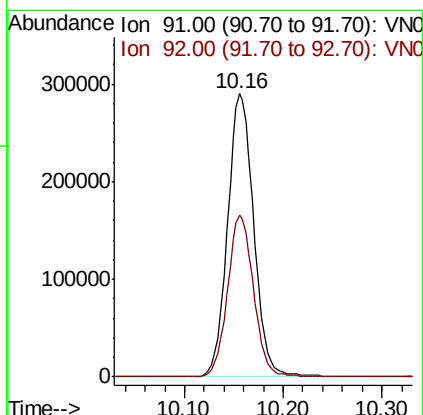
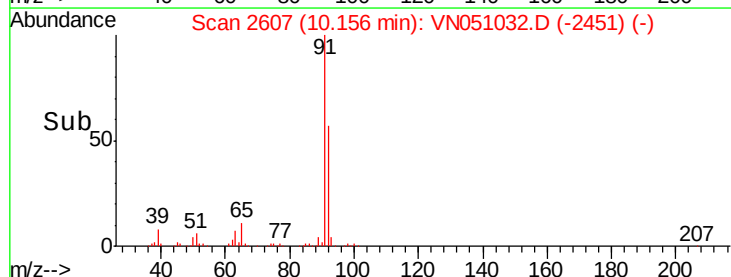
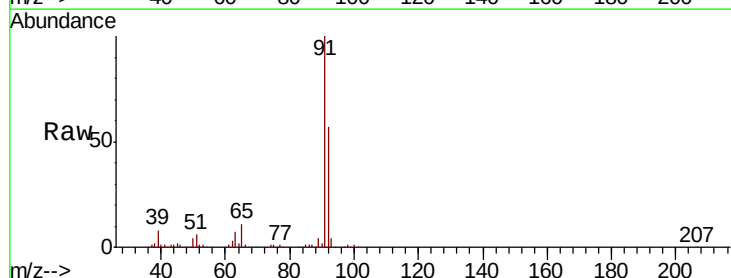
Acq: 6 Sep 2018 13:49

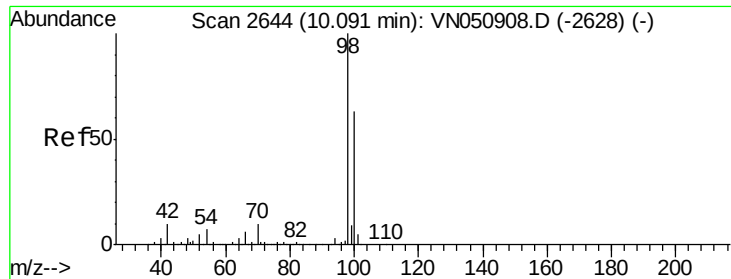
Tgt Ion: 91 Resp: 536871

Ion Ratio Lower Upper

91 100

92 56.8 45.8 68.8





#63

Toluene-d8

Concen: 30.02 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBSD01

Tot Ion: 98 Resp: 717770

Ion Ratio Lower Upper

98 100

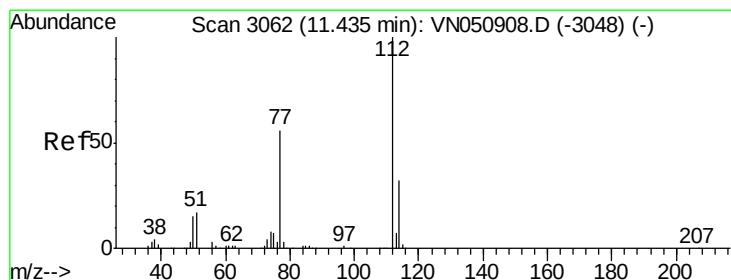
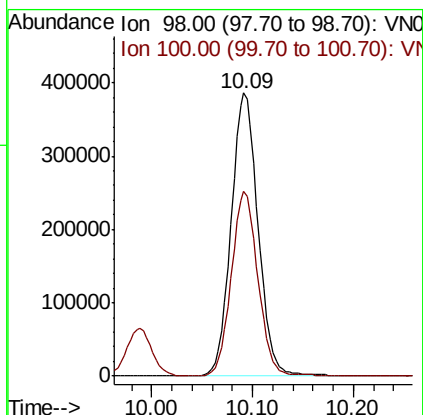
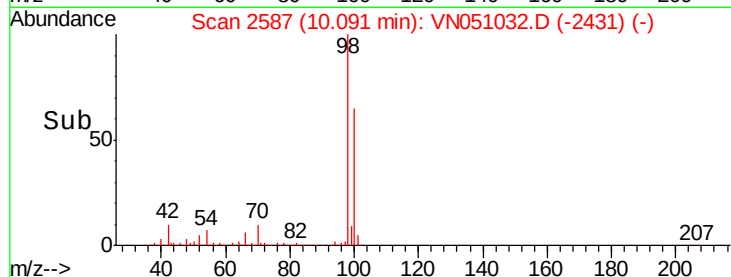
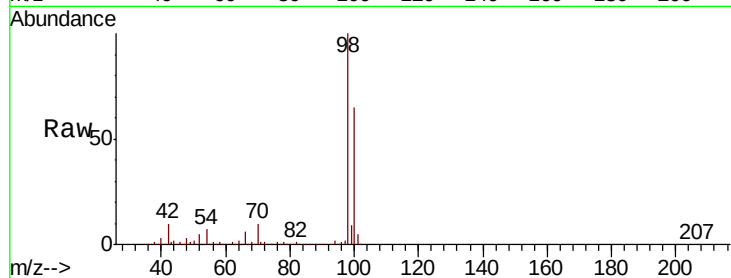
100 64.0 50.6 75.8

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#64

Chlorobenzene

Concen: 18.99 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051032.D

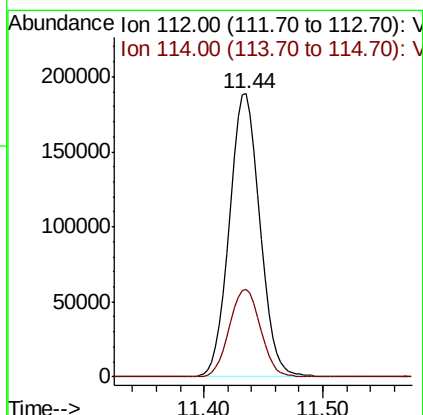
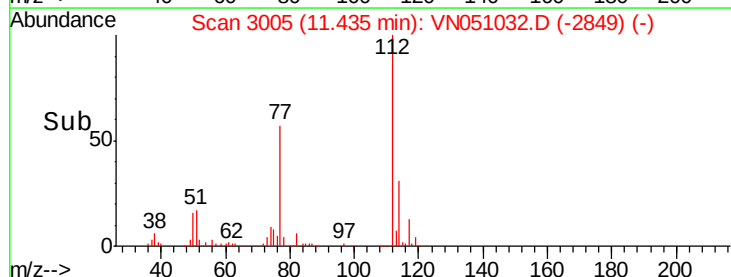
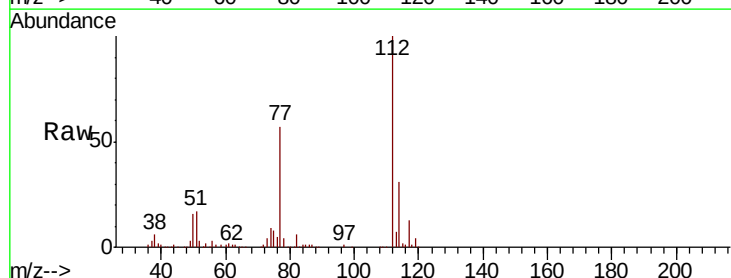
Acq: 6 Sep 2018 13:49

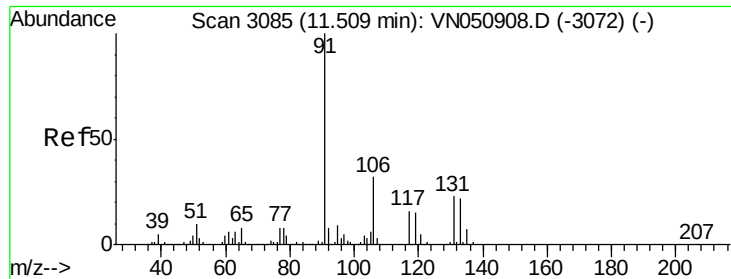
Tgt Ion: 112 Resp: 336575

Ion Ratio Lower Upper

112 100

114 31.0 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.41 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Instrument :

MSVOA_N

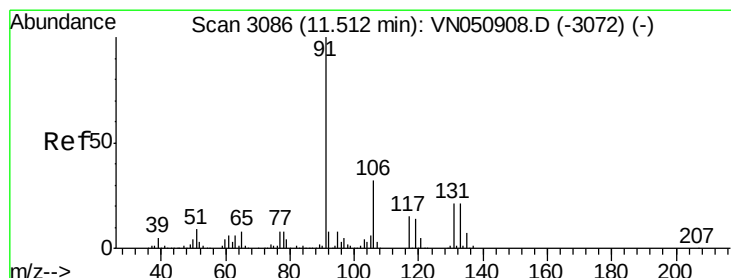
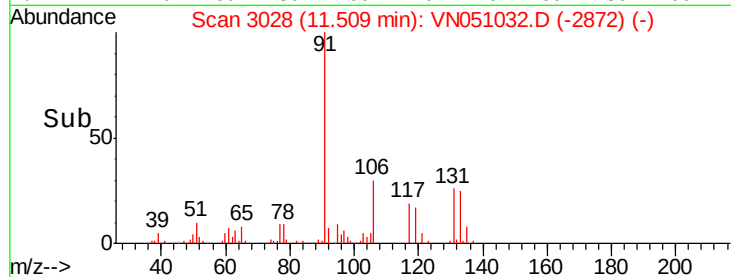
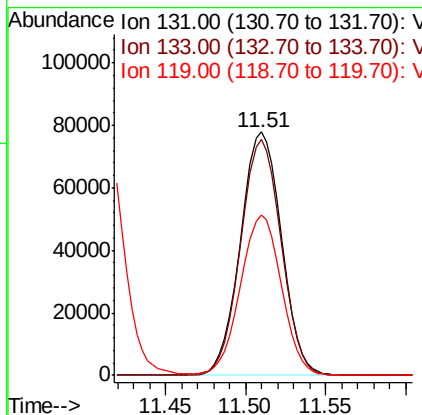
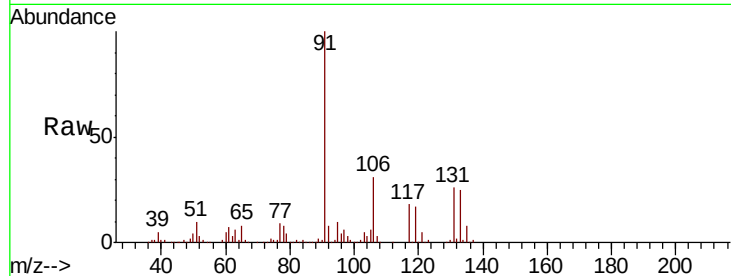
ClientSampled :

VN0906WBSD01

Tot Ion:	131	Resp:	136598
Ion Ratio	Lower	Upper	
131	100		
133	95.8	0.0	189.4
119	65.9	0.0	132.2

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#66

Ethyl Benzene

Concen: 17.54 ug/l

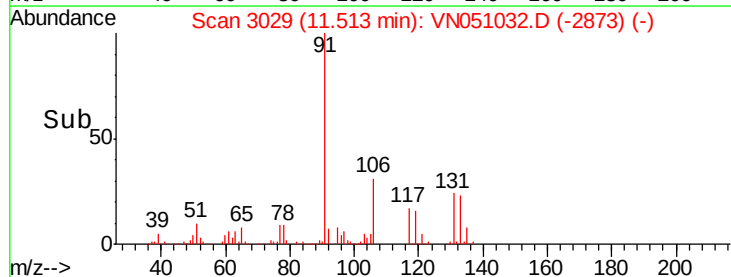
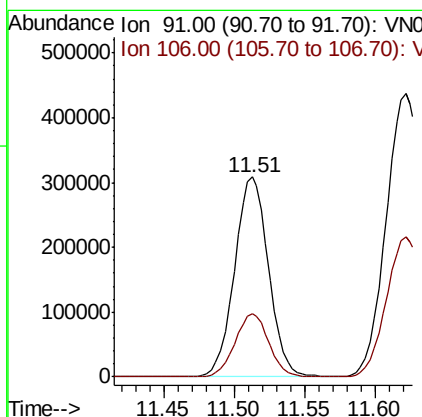
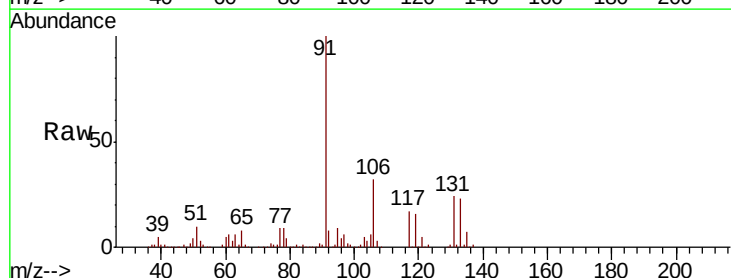
RT: 11.51 min Scan# 3029

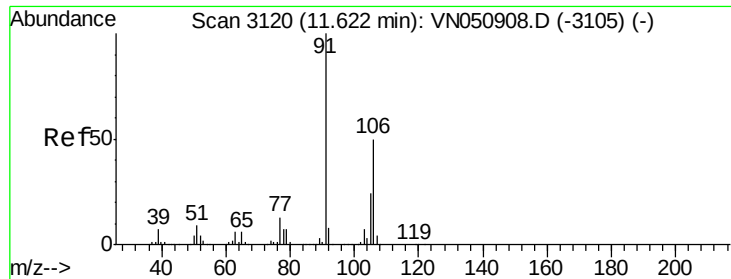
Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Tgt Ion:	91	Resp:	519558
Ion Ratio	Lower	Upper	
91	100		
106	31.5	25.7	38.5





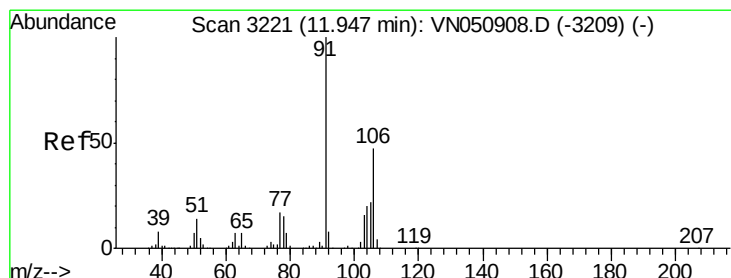
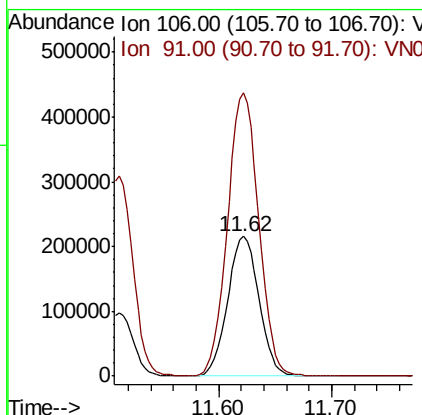
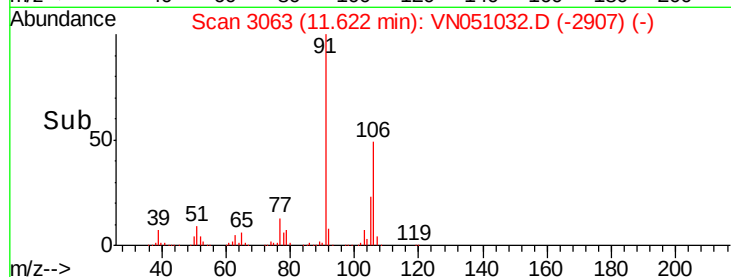
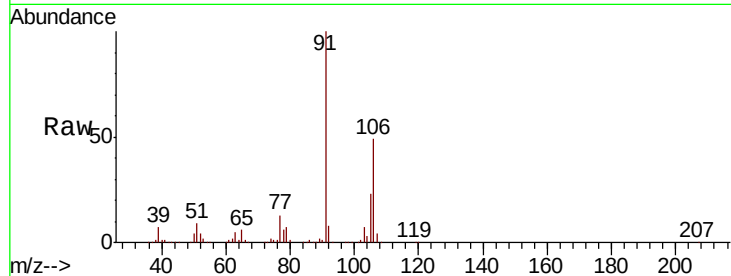
#67
m/p-Xylenes
Concen: 36.43 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0906WBSD01

Tot Ion:106 Resp: 415266
Ion Ratio Lower Upper
106 100
91 202.2 160.6 241.0

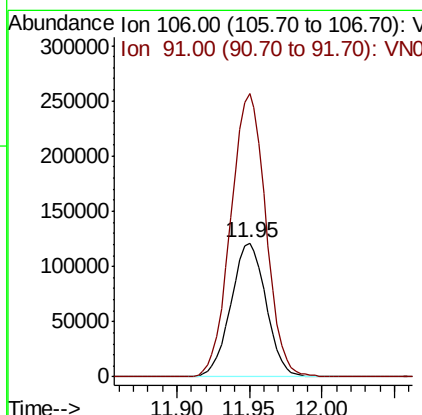
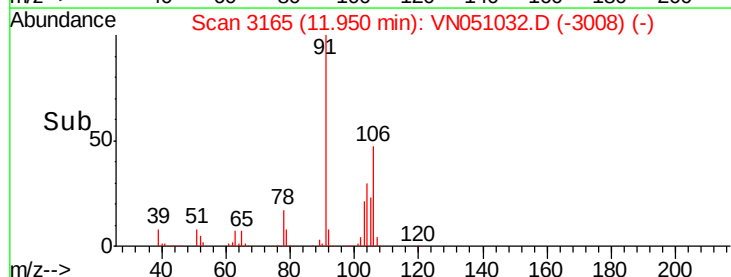
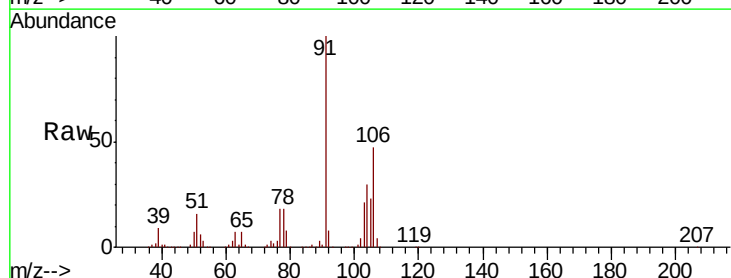
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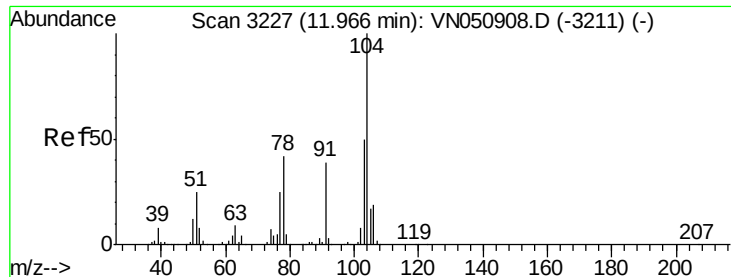
MMDadoda
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#68
o-Xylene
Concen: 18.70 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Tgt Ion:106 Resp: 203697
Ion Ratio Lower Upper
106 100
91 211.7 106.4 319.2





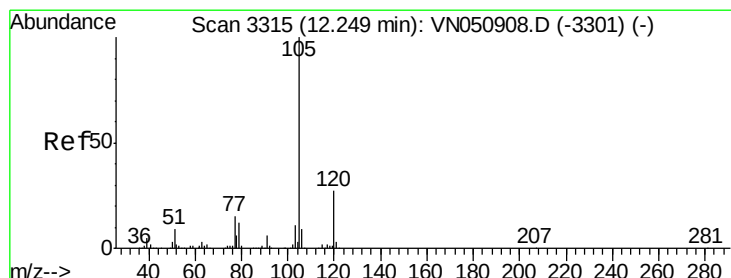
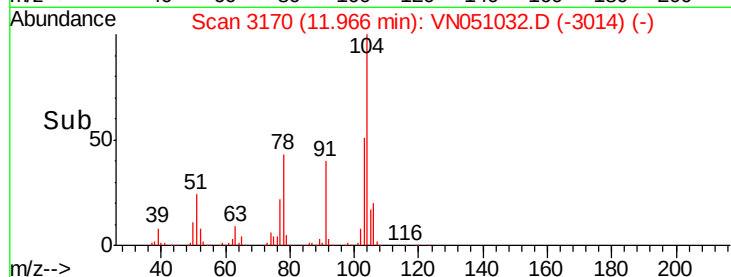
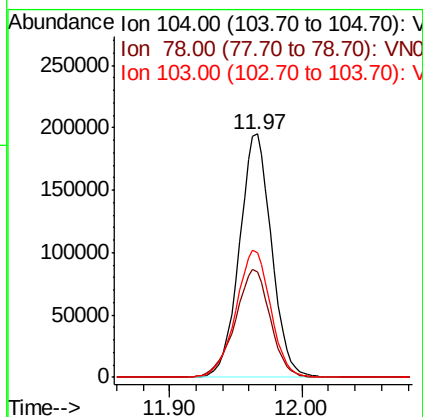
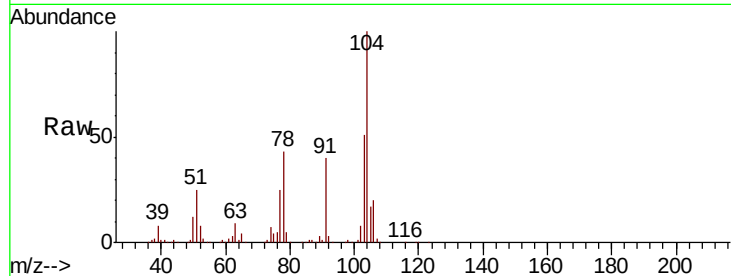
#69
Stvrene
Concen: 18.94 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.6	38.6	58.0
103	56.5	45.4	68.2

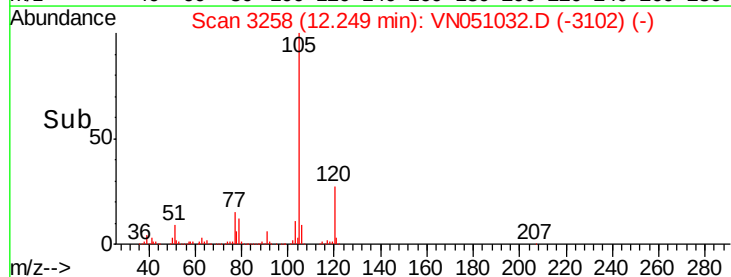
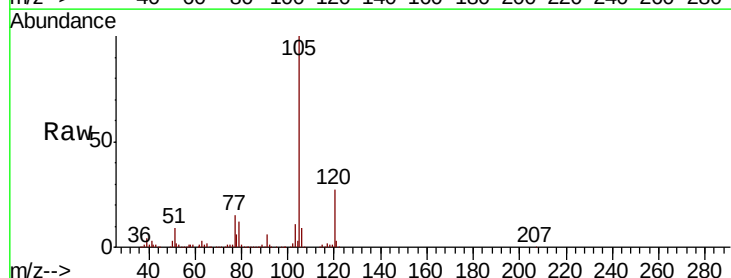
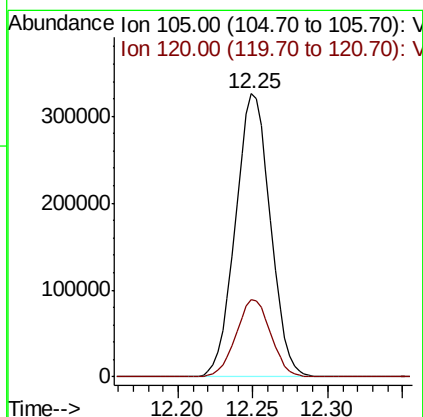
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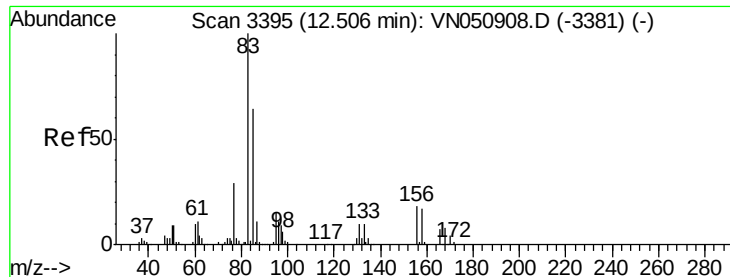
MMDadoda
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#70
Isopropylbenzene
Concen: 18.28 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051032.D
Acq: 6 Sep 2018 13:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	18.6	34.6





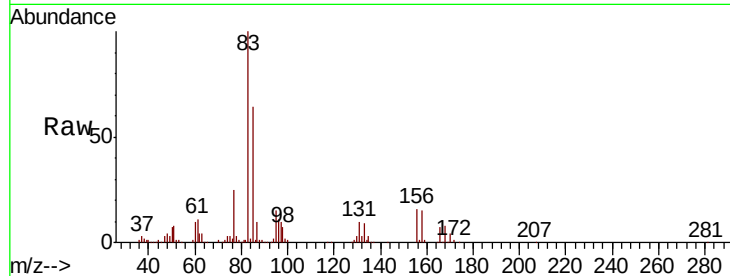
#71
 1,1,2,2-Tetrachloroethane
 Concen: 22.93 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

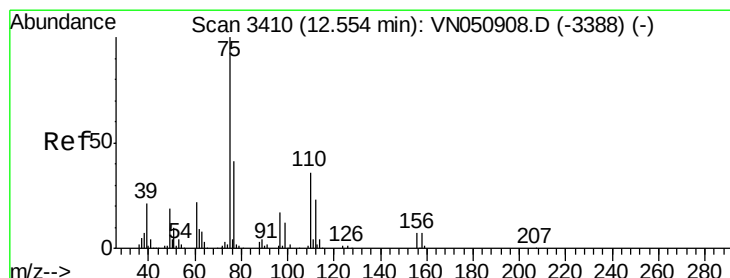
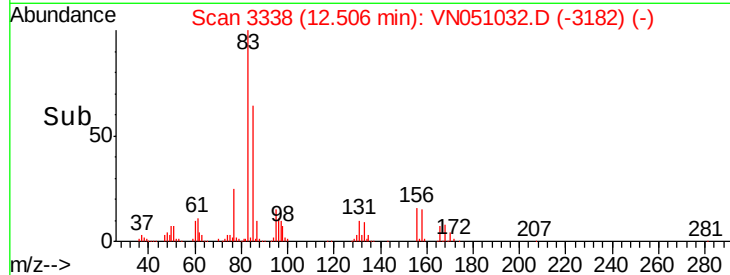
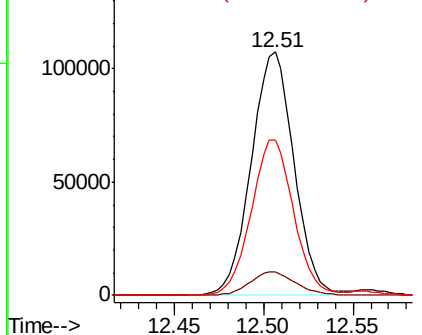
Tot Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	15.9
85	63.6	32.3	96.9

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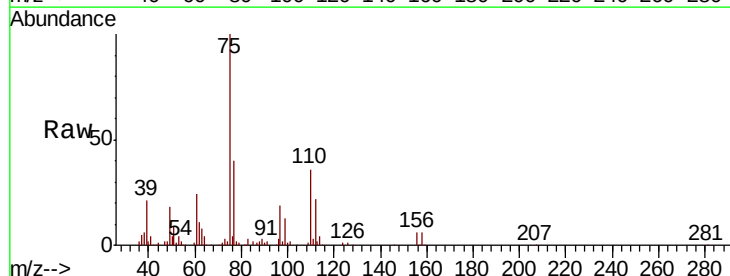


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

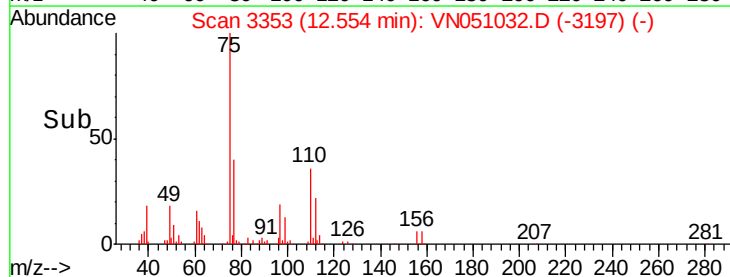
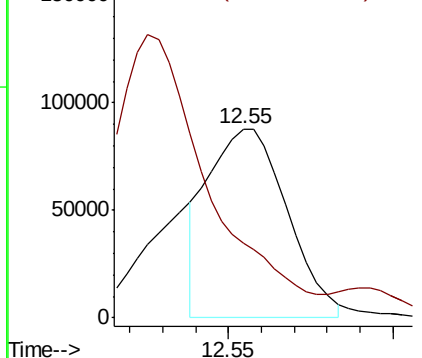


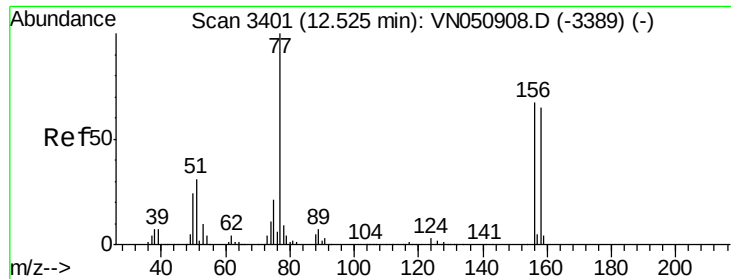
#72
 1,2,3-Trichloropropane
 Concen: 21.67 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	188.4	0.0	301.6



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





#73

Bromobenzene

Concen: 19.71 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Instrument :

MSVOA_N

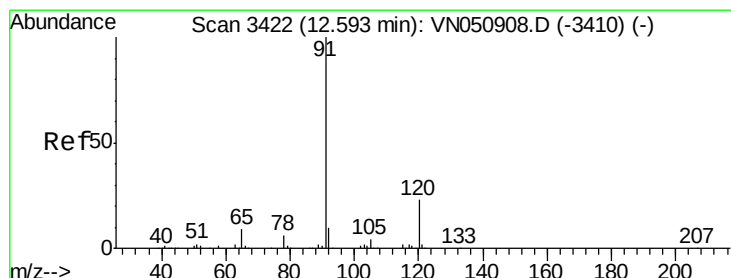
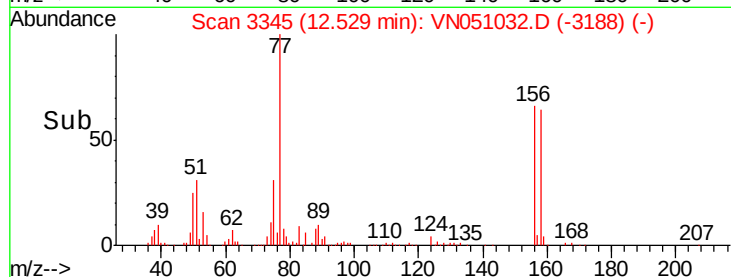
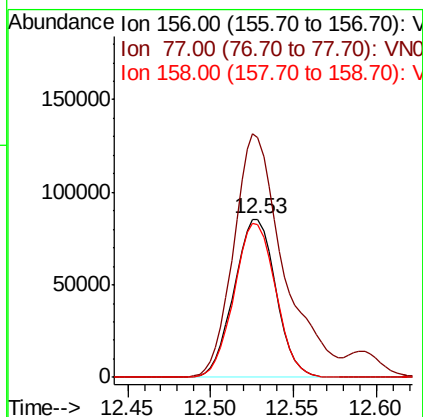
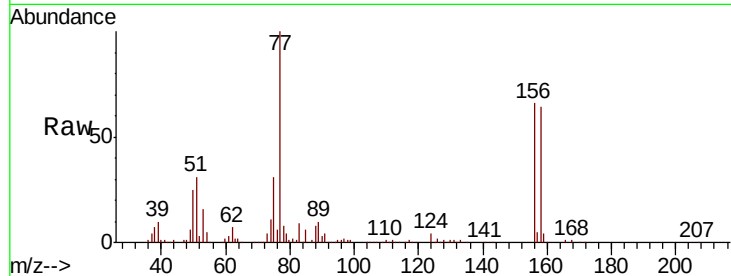
ClientSampled :

VN0906WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		150100		
77	183.9	0.0	359.4		
158	97.4	0.0	194.6		

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#74

n-propylbenzene

Concen: 17.76 ug/l

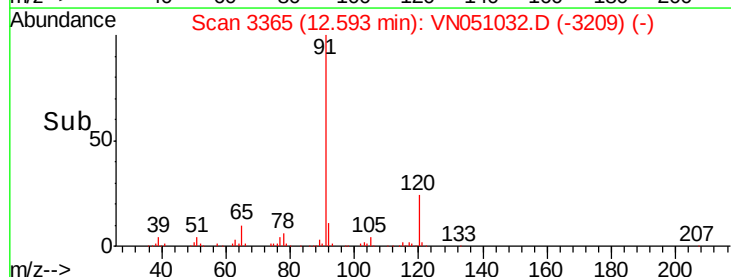
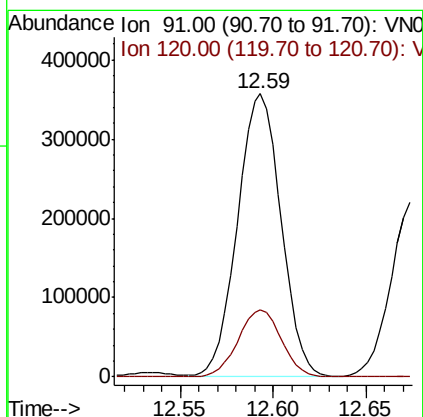
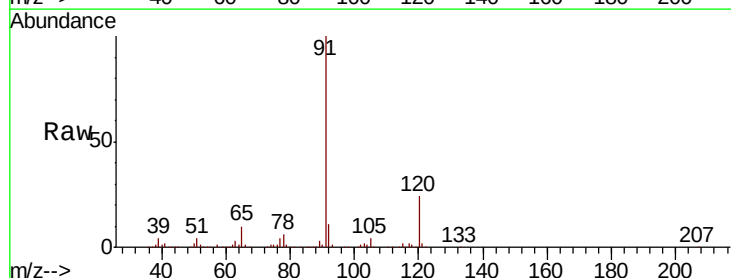
RT: 12.59 min Scan# 3365

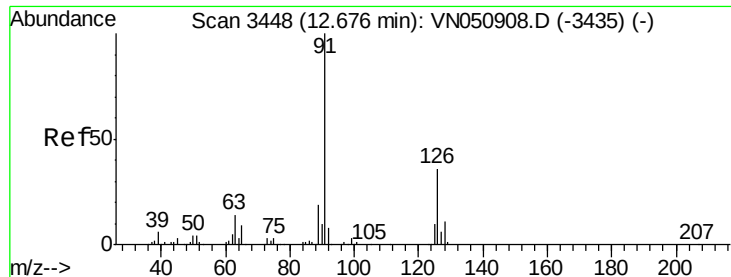
Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		581097		
120	23.6	0.0	46.0		





#75

2-Chlorotoluene

Concen: 18.65 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Instrument :

MSVOA_N

ClientSampled :

VN0906WBSD01

Tot Ion: 91 Resp: 370793

Ion Ratio Lower Upper

91 100

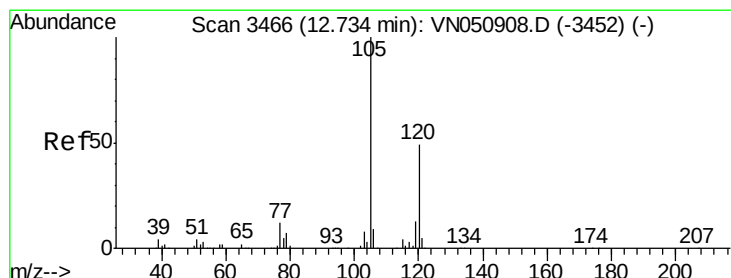
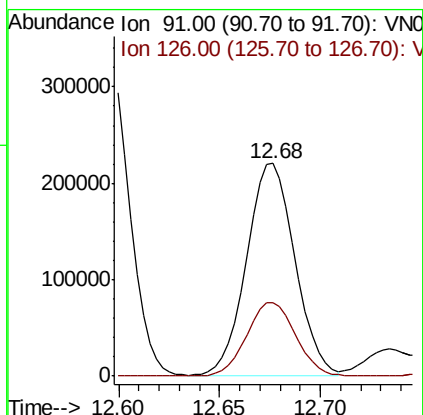
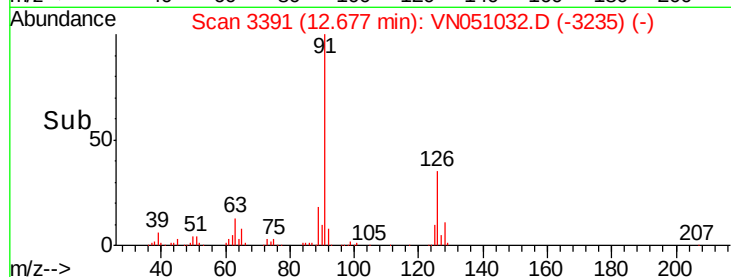
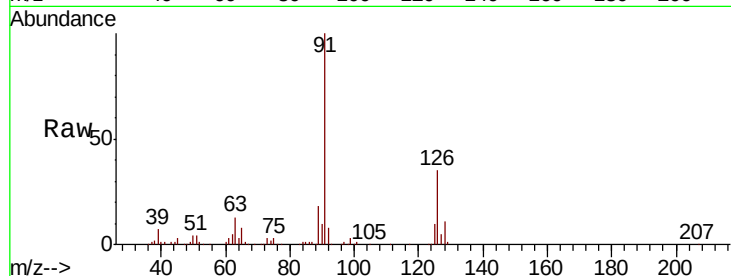
126 35.0 0.0 71.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 18.28 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051032.D

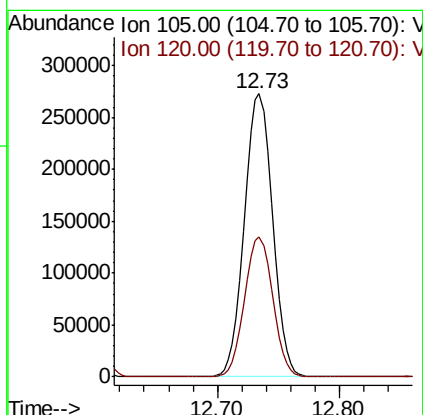
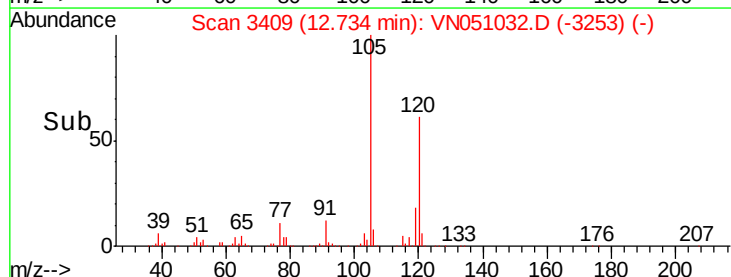
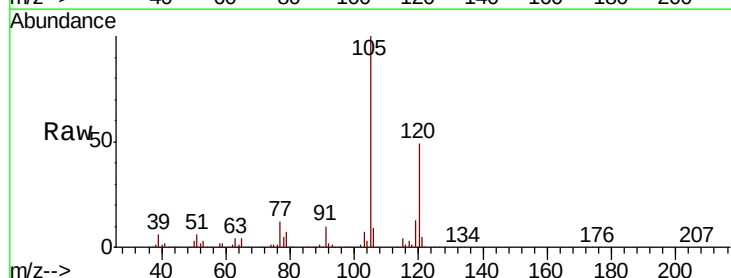
Acq: 6 Sep 2018 13:49

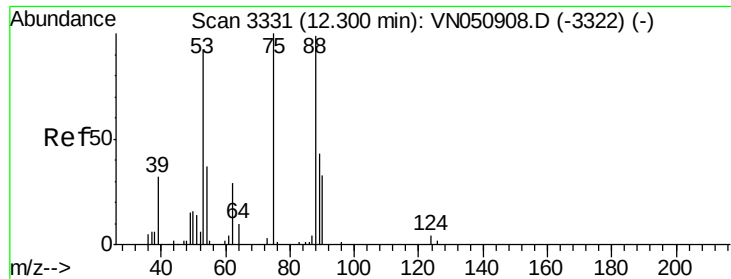
Tgt Ion: 105 Resp: 432319

Ion Ratio Lower Upper

105 100

120 49.6 0.0 99.6





#77

t-1,4-Dichloro-2-butene

Concen: 23.03 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Instrument :

MSVOA_N

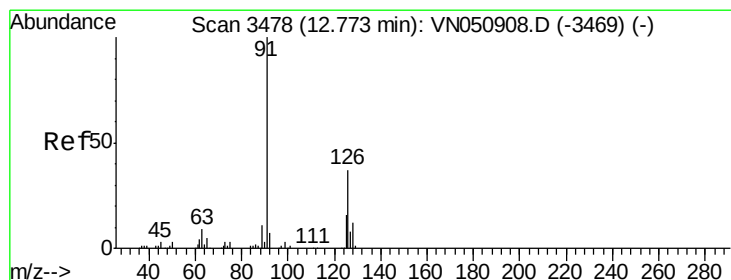
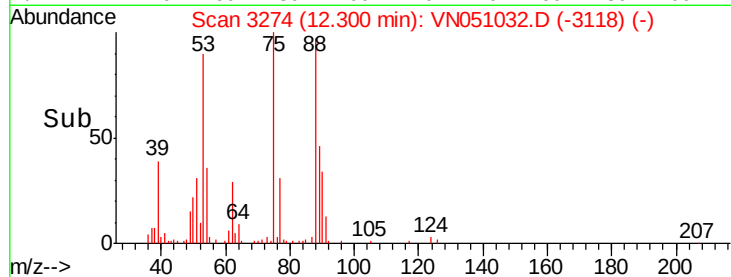
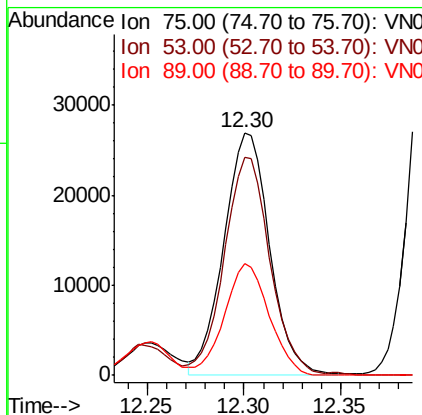
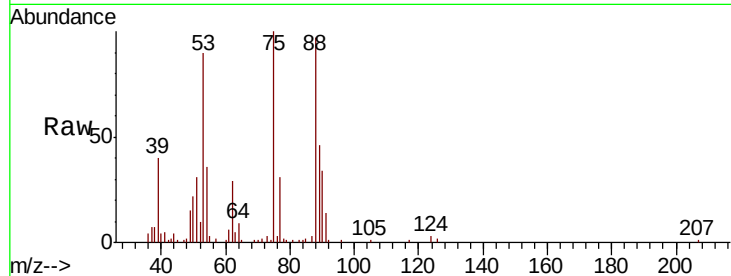
ClientSampled :

VN0906WBSD01

Tot Ion:	75	Resp:	44357
Ion	Ratio	Lower	Upper
75	100		
53	89.6	45.5	136.4
89	46.1	21.9	65.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 18.55 ug/l

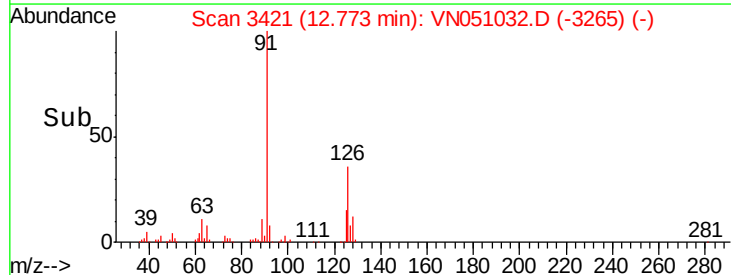
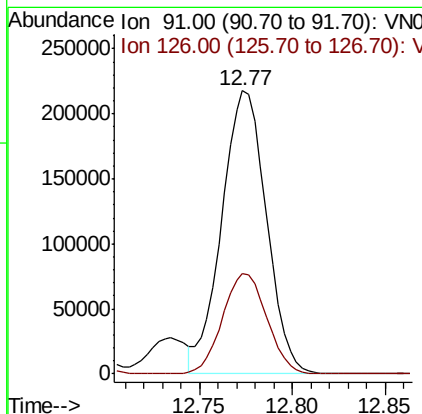
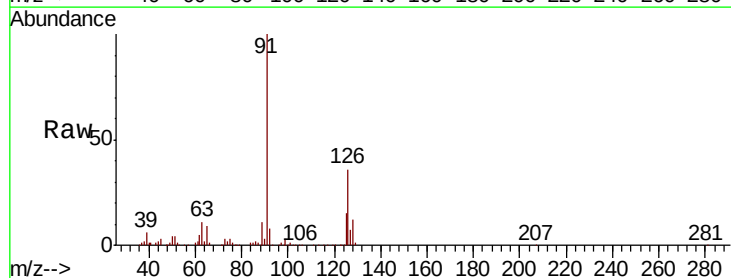
RT: 12.77 min Scan# 3421

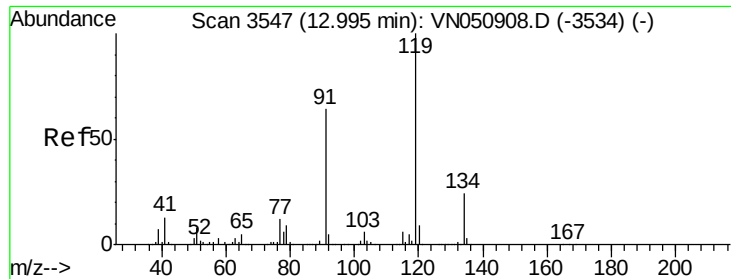
Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Tgt Ion:	91	Resp:	362982
Ion	Ratio	Lower	Upper
91	100		
126	35.3	0.0	69.8





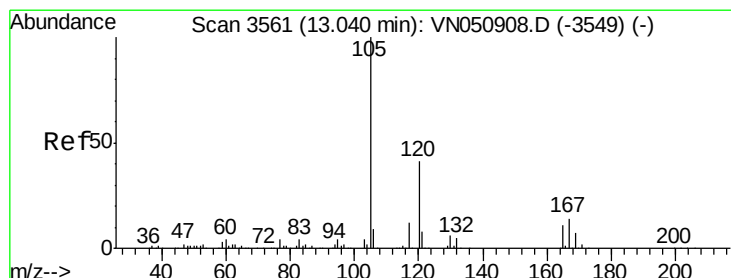
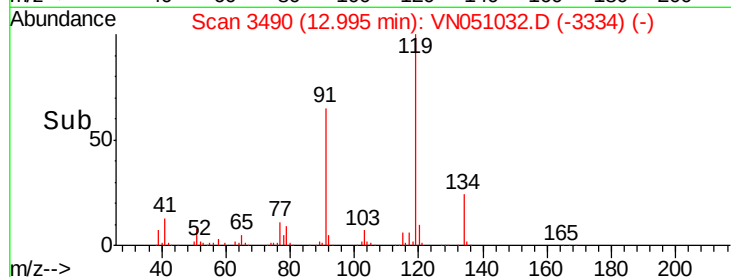
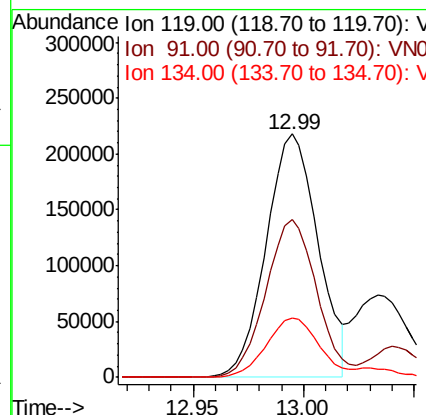
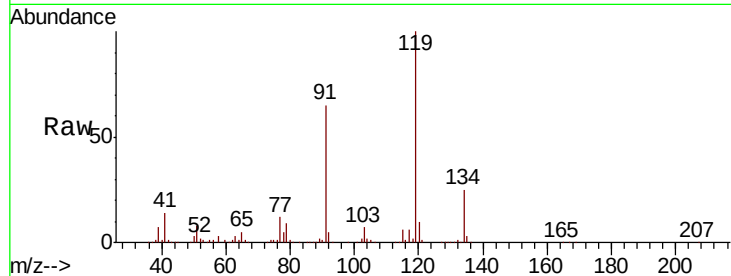
#79
 tert-butylbenzene
 Concen: 17.34 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	356206		
91	64.0	0.0	125.6	
134	24.7	0.0	48.4	

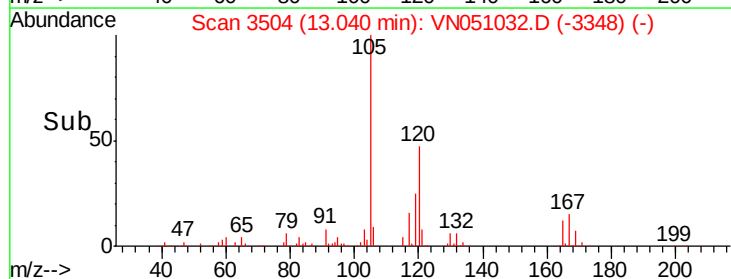
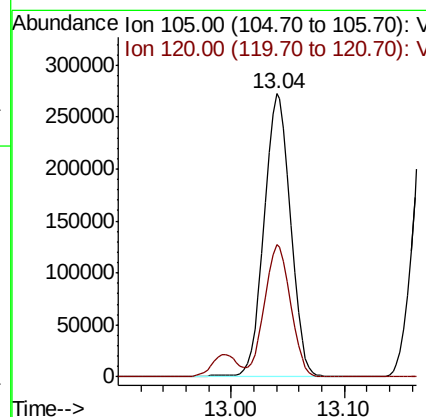
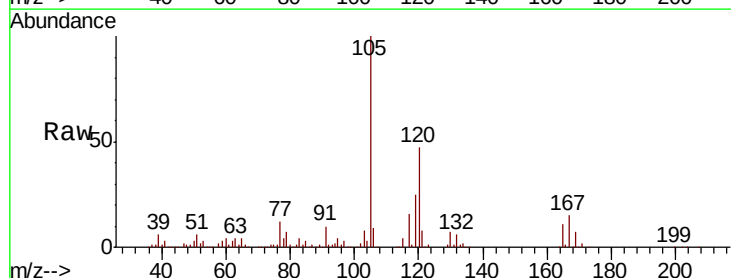
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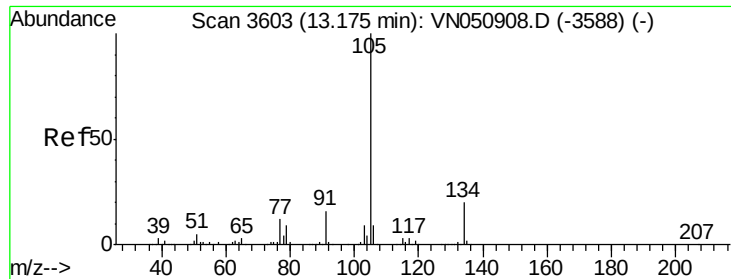
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#80
 1,2,4-Trimethylbenzene
 Concen: 18.78 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	442848		
120	46.4	0.0	93.6	





#81

sec-Butylbenzene

Concen: 17.91 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBSD01

Tot Ion:105 Resp: 481249

Ion Ratio Lower Upper

105 100

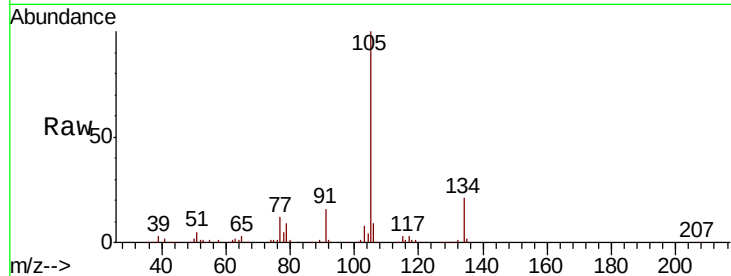
134 20.8 0.0 40.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

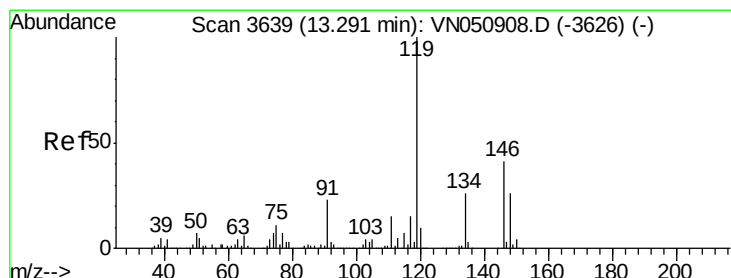
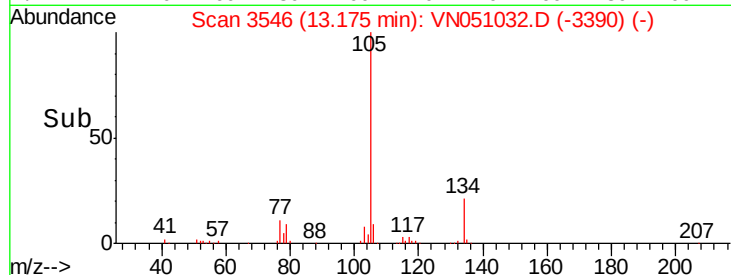
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 17.98 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

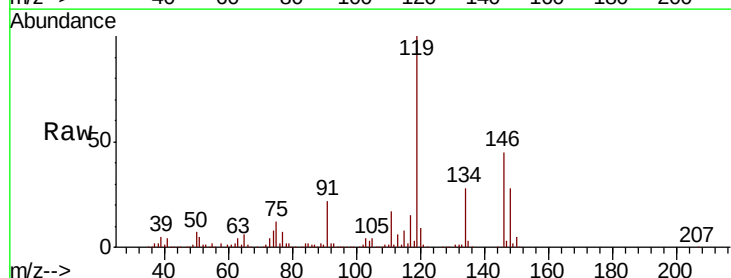
Tgt Ion:119 Resp: 417139

Ion Ratio Lower Upper

119 100

134 27.4 0.0 53.2

91 22.6 0.0 46.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

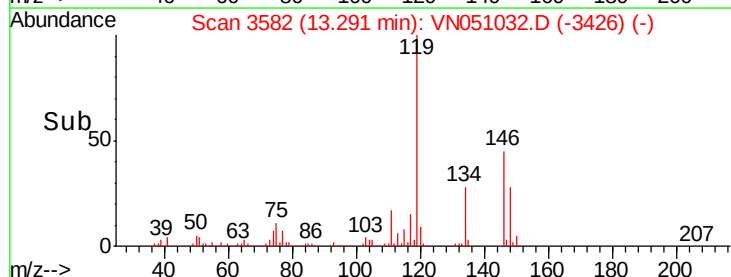
300000

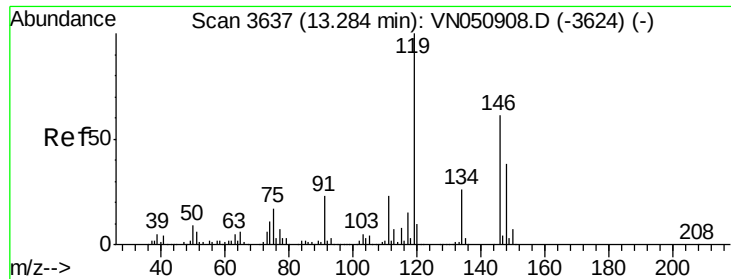
200000

100000

0

Time-->





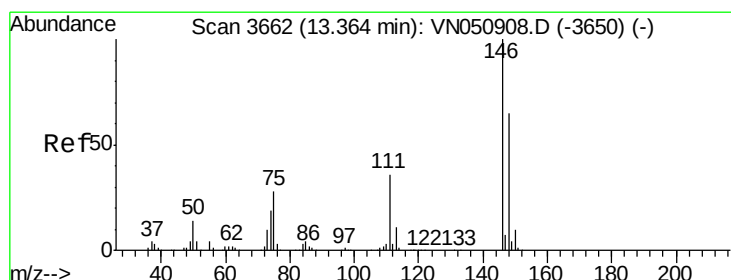
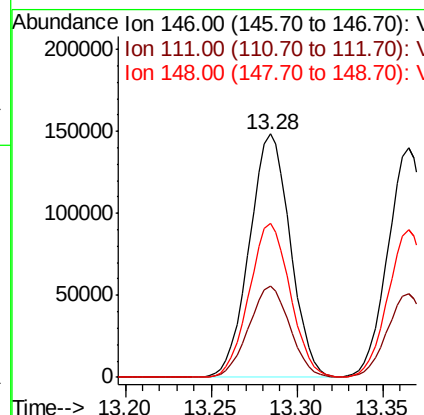
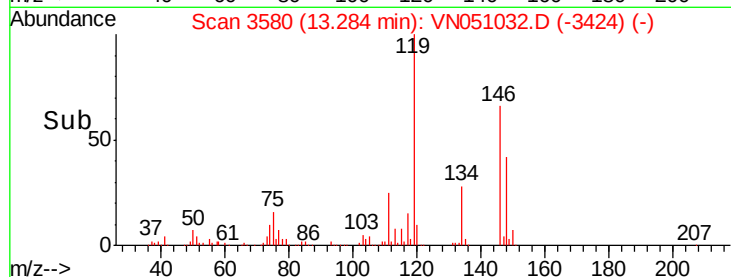
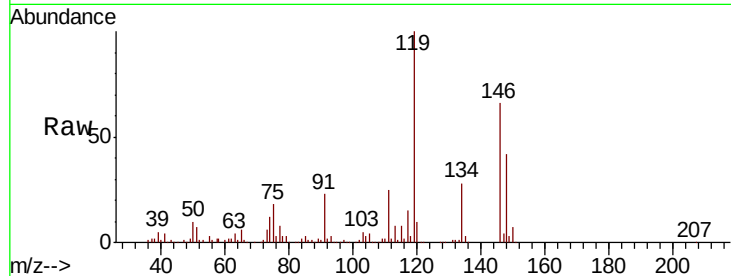
#83
 1,3-Dichlorobenzene
 Concen: 18.99 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	244496		
111	37.6	18.6	55.6	
148	63.4	31.8	95.3	

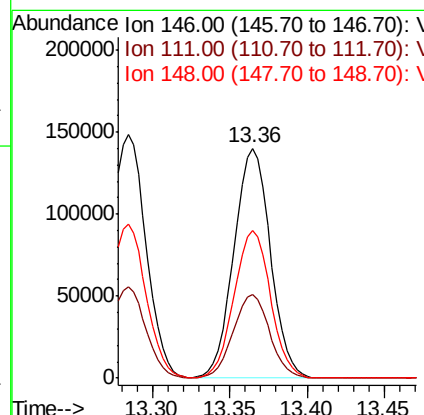
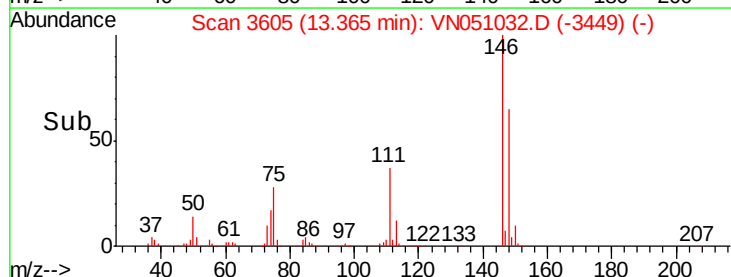
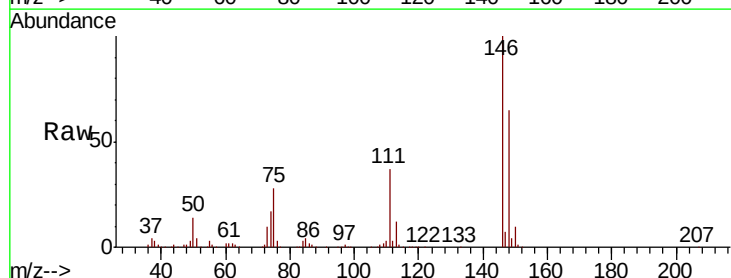
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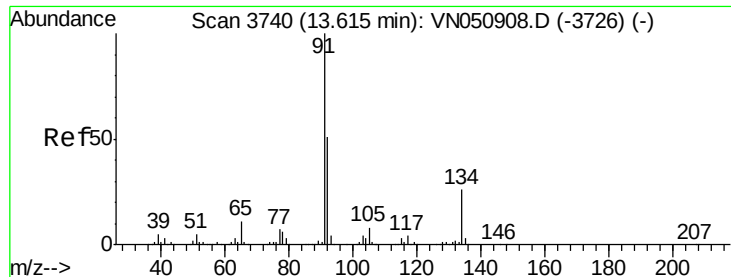
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#84
 1,4-Dichlorobenzene
 Concen: 18.81 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	229393		
111	36.3	17.7	53.1	
148	63.9	31.6	94.8	





#85

n-Butylbenzene

Concen: 17.47 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Instrument :

MSVOA_N

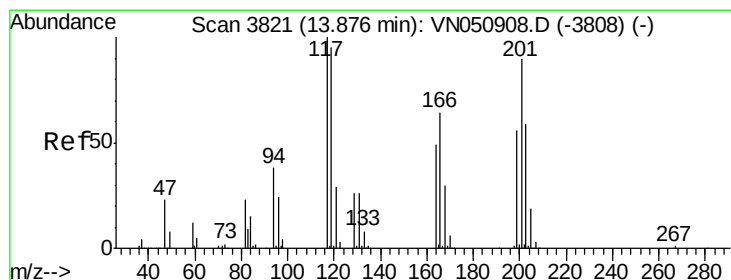
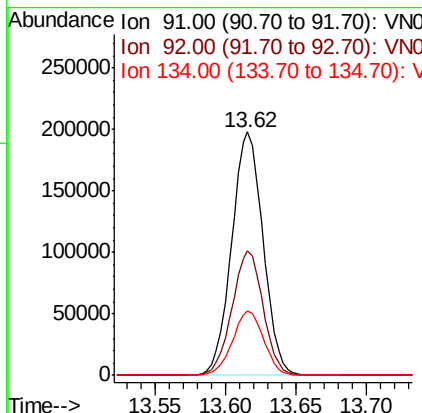
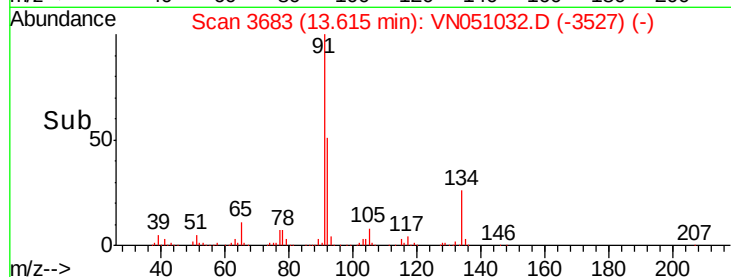
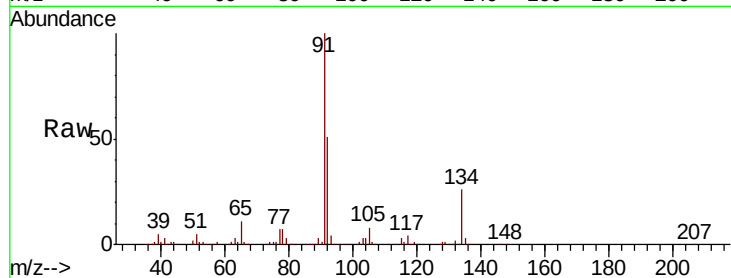
ClientSampled :

VN0906WBSD01

Tot Ion:	91	Resp:	309172
Ion Ratio	Lower	Upper	
91	100		
92	50.5	0.0	101.8
134	26.0	0.0	52.2

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#86

Hexachloroethane

Concen: 17.83 ug/l

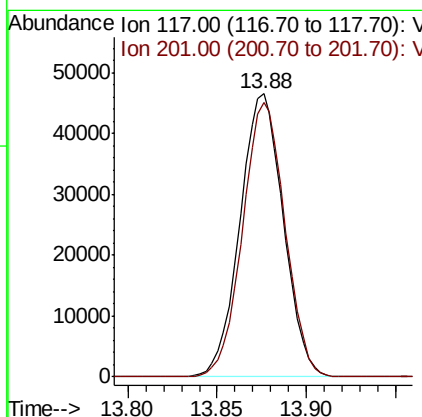
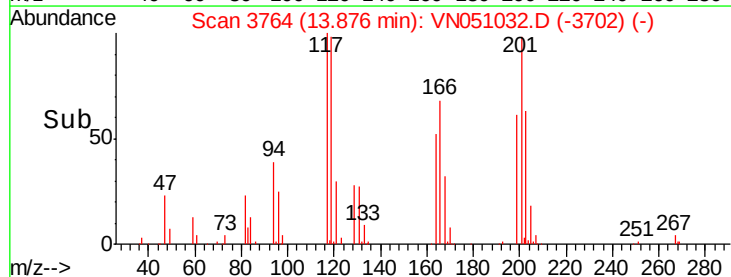
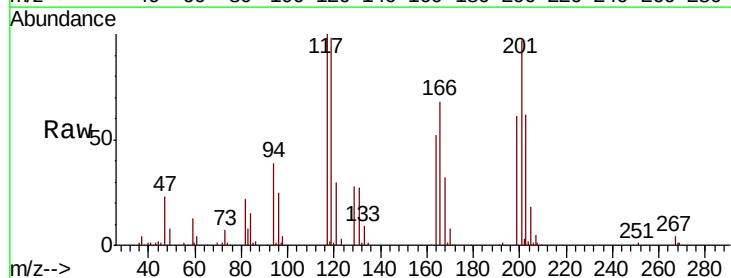
RT: 13.88 min Scan# 3764

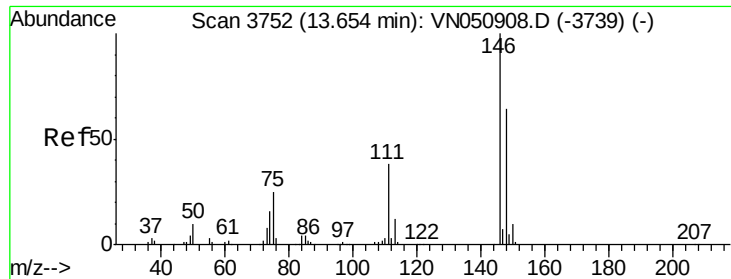
Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Tgt Ion:	117	Resp:	79379
Ion Ratio	Lower	Upper	
117	100		
201	94.6	45.8	137.4





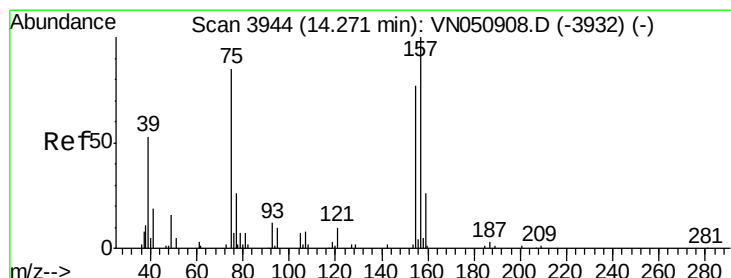
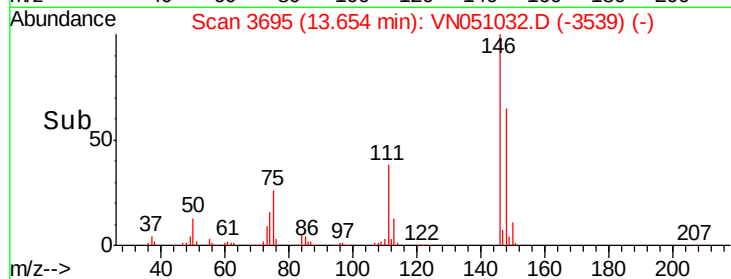
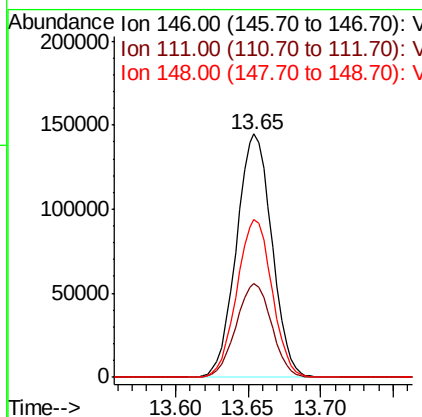
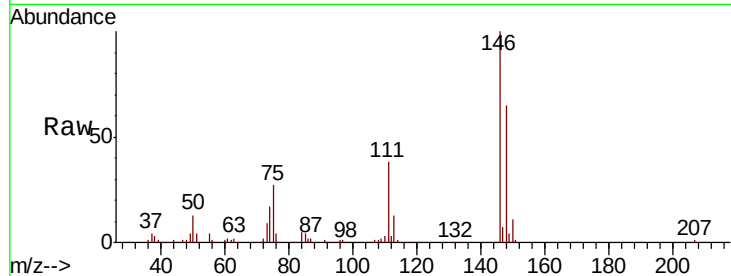
#87
 1,2-Dichlorobenzene
 Concen: 19.38 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0906WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	245565		
111	38.6	19.1	57.1	
148	64.5	31.9	95.9	

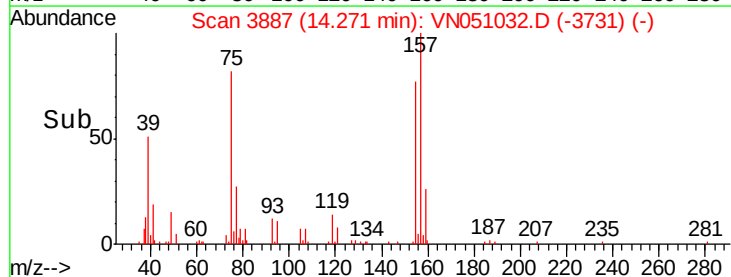
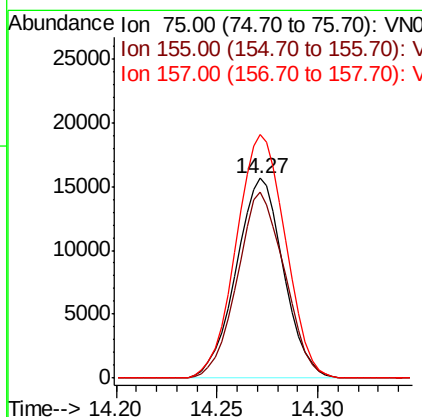
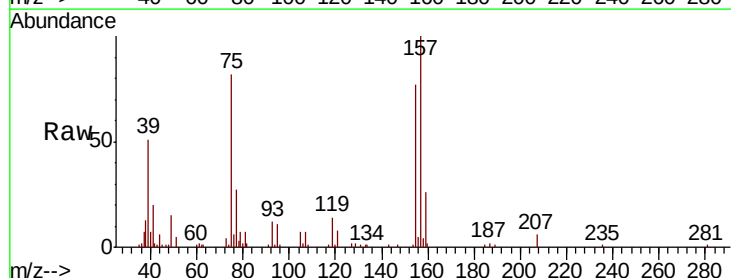
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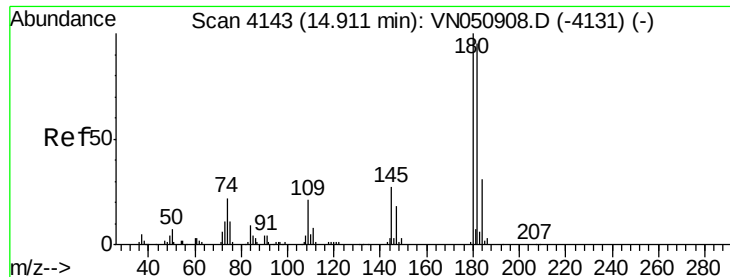
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 23.50 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25758		
155	93.0	71.8	107.6	
157	126.5	91.1	136.7	





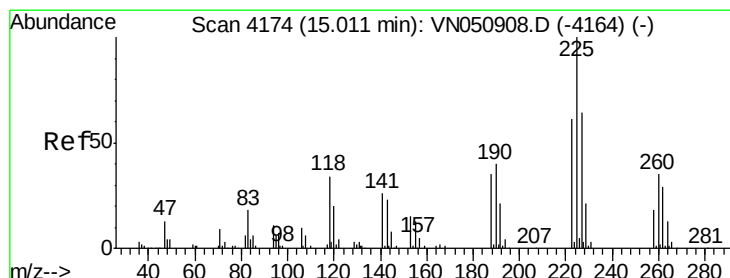
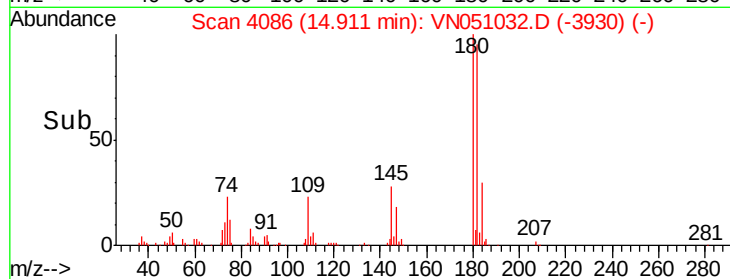
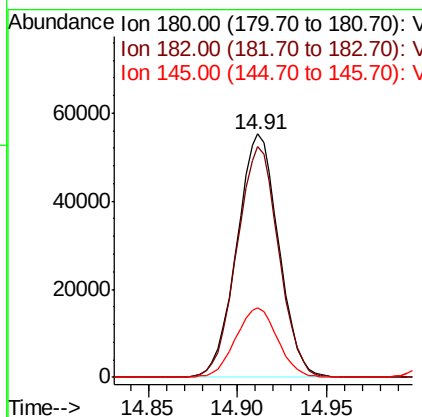
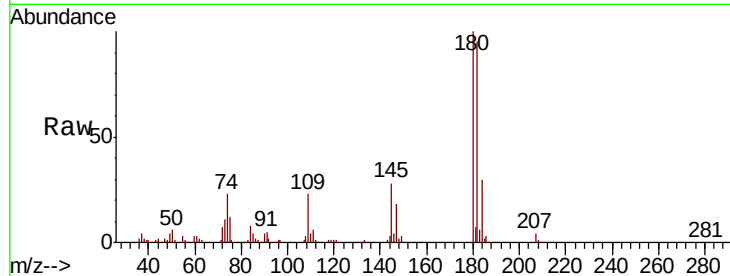
#89
 1,2,4-Trichlorobenzene
 Concen: 16.01 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.4
145	28.6	22.2	33.4

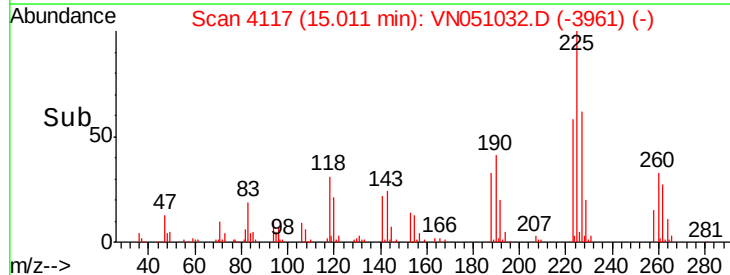
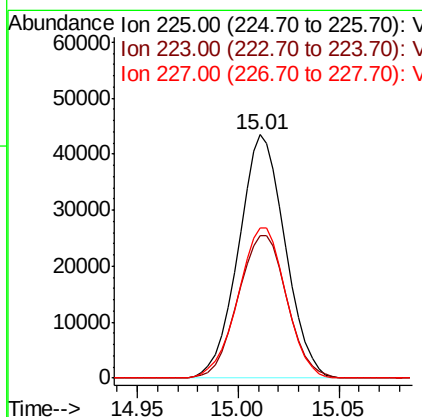
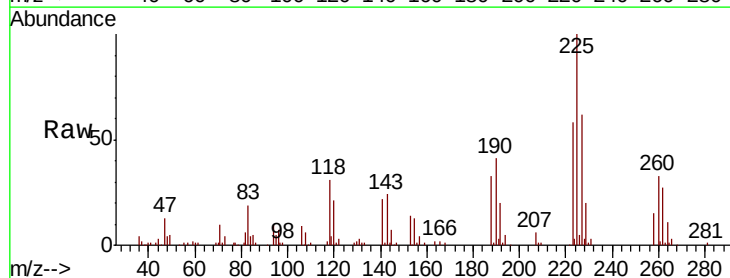
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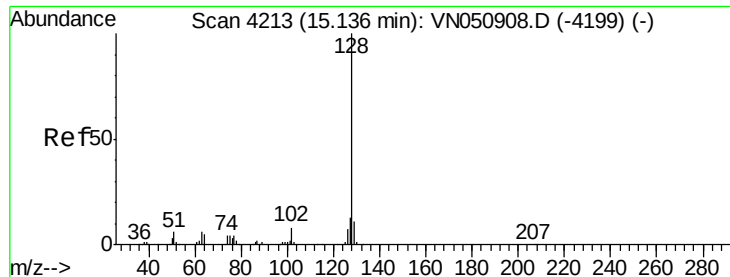
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#90
 Hexachlorobutadiene
 Concen: 18.29 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051032.D
 Acq: 6 Sep 2018 13:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	0.0	127.8
227	63.4	0.0	128.4





#91

Naphthalene

Concen: 19.39 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Instrument :

MSVOA_N

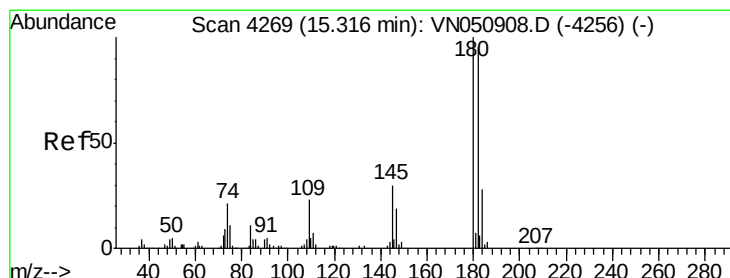
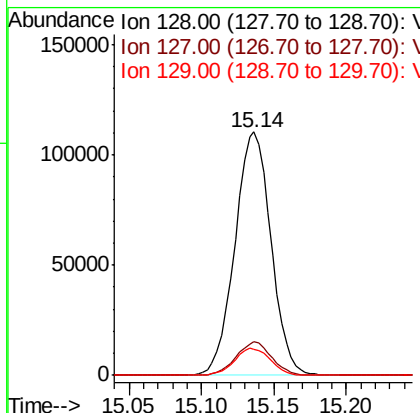
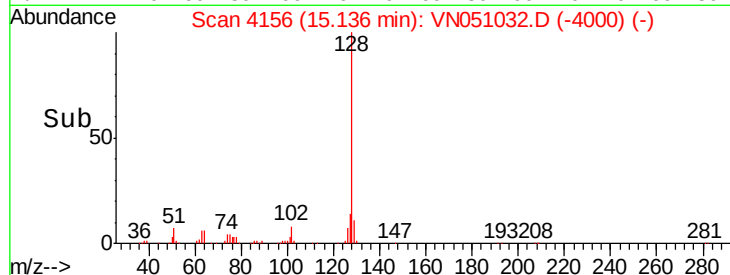
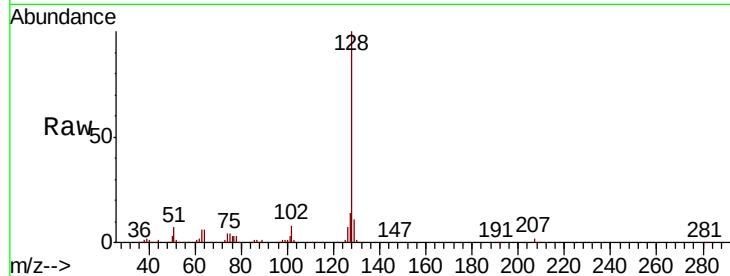
ClientSampleId :

VN0906WBSD01

Tot Ion:	128	Resp:	190726
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	16.0
129	11.0	8.7	13.1

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 15.72 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051032.D

Acq: 6 Sep 2018 13:49

Tgt Ion:	180	Resp:	88988
Ion Ratio	Lower	Upper	
180	100		
182	99.7	0.0	192.8
145	30.6	0.0	60.0

