

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040319\
 Data File : VN054918.D
 Acq On : 3 Apr 2019 11:37
 Operator : JC/SP
 Sample : VN0403MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403MBS01

Manual Integrations
 APPROVED

MMDadoda
 4/4/2019 9:31:14 AM

Quant Time: Apr 04 02:00:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	407111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	685295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	591390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	243746	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	289350	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
35) Dibromofluoromethane	7.59	113	231244	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.09	98	839297	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.40	95	275042	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	80642	19.583	ug/l	99
3) Chloromethane	2.06	50	112943	19.836	ug/l	98
4) Vinyl Chloride	2.19	62	103609	20.263	ug/l	98
5) Bromomethane	2.58	94	57815	20.228	ug/l	96
6) Chloroethane	2.71	64	58002	20.315	ug/l	98
7) Trichlorofluoromethane	3.02	101	132561	21.087	ug/l	99
8) Diethyl Ether	3.41	74	45529	22.493	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.75	101	71754	21.683	ug/l	94
10) Methyl Iodide	3.95	142	92755	20.475	ug/l #	89
11) Tert butyl alcohol	4.82	59	32743	114.513	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	68101	21.281	ug/l #	79
13) Acrolein	3.61	56	23597	92.313	ug/l	94
14) Allyl chloride	4.32	41	165692	21.021	ug/l #	90
15) Acrylonitrile	4.99	53	181298	114.074	ug/l	99
16) Acetone	3.82	43	154377	117.963	ug/l #	84
17) Carbon Disulfide	4.04	76	186703	17.988	ug/l	97
18) Methyl Acetate	4.33	43	82427	23.698	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	244616	21.852	ug/l	93
20) Methylene Chloride	4.54	84	100379	21.745	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	87757	20.878	ug/l	85
22) Diisopropyl ether	5.96	45	348812	22.374	ug/l #	91
23) Vinyl Acetate	5.90	43	1198578	110.477	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	183036	22.009	ug/l	97
25) 2-Butanone	6.85	43	230581	119.195	ug/l #	85
26) 2,2-Dichloropropane	6.83	77	122765	21.062	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	104559	22.020	ug/l	88
28) Bromochloromethane	7.20	49	99170	23.848	ug/l #	71
29) Tetrahydrofuran	7.22	42	148062	110.198	ug/l #	85
30) Chloroform	7.37	83	178126	22.462	ug/l	98
31) Cyclohexane	7.65	56	167265	20.873	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	144888	22.047	ug/l	95
36) 1,1-Dichloropropene	7.79	75	123890	19.401	ug/l	96
37) Ethyl Acetate	6.94	43	98816	21.102	ug/l	96
38) Carbon Tetrachloride	7.77	117	123707	19.946	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	140632	20.032	ug/l	88
40) Benzene	8.04	78	383718	21.001	ug/l	99
41) Methacrylonitrile	7.18	41	64804	24.635	ug/l #	83
42) 1,2-Dichloroethane	8.12	62	138201	21.183	ug/l	97
43) Isopropyl Acetate	8.17	43	165876	21.801	ug/l #	94
44) Trichloroethene	8.83	130	98190	20.702	ug/l	89
45) 1,2-Dichloropropane	9.12	63	112277	21.550	ug/l	100
46) Dibromomethane	9.21	93	64091	21.868	ug/l	86
47) Bromodichloromethane	9.40	83	131534	21.594	ug/l	94
48) Methyl methacrylate	9.20	41	84369	20.455	ug/l #	86
49) 1,4-Dioxane	9.20	88	18308	447.359	ug/l #	86
51) 4-Methyl-2-Pentanone	9.99	43	484227	113.194	ug/l	92
52) Toluene	10.16	92	232812	21.413	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	117888	20.575	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	148072	21.634	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	89353	22.102	ug/l	97
56) Ethyl methacrylate	10.43	69	112140	21.145	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	151007	21.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	218304	101.958	ug/l	89
59) 2-Hexanone	10.75	43	300962	109.900	ug/l	90
60) Dibromochloromethane	10.90	129	87885	21.460	ug/l	99
61) 1,2-Dibromoethane	11.00	107	83721	21.670	ug/l	97
64) Tetrachloroethene	10.63	164	93799	20.669	ug/l	97
65) Chlorobenzene	11.43	112	238253	20.577	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	90054	20.779	ug/l	98
67) Ethyl Benzene	11.51	91	435888	20.861	ug/l	97
68) m/p-Xylenes	11.62	106	313766	40.579	ug/l	93
69) o-Xylene	11.95	106	154810	20.417	ug/l	94
70) Styrene	11.96	104	256556	21.162	ug/l	96
71) Bromoform	12.13	173	51418	20.251	ug/l #	99
73) Isopropylbenzene	12.25	105	416901	20.926	ug/l	98
74) N-amyl acetate	12.07	43	122964	19.811	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	107741	23.628	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	92352m	21.810	ug/l	
77) Bromobenzene	12.53	156	102109	21.236	ug/l	85
78) n-propylbenzene	12.59	91	453798	20.724	ug/l	96
79) 2-Chlorotoluene	12.67	91	279082	20.601	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	342366	20.943	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	21098	19.381	ug/l #	81
82) 4-Chlorotoluene	12.77	91	270463	20.555	ug/l	96
83) tert-Butylbenzene	12.99	119	293305	21.987	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	330083	21.194	ug/l	97
85) sec-Butylbenzene	13.17	105	370049	20.838	ug/l	97
86) p-Isopropyltoluene	13.29	119	323920	20.681	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	162971	20.244	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	157897	19.998	ug/l	97
89) n-Butylbenzene	13.61	91	255868	20.023	ug/l	95
90) Hexachloroethane	13.87	117	52232	19.641	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	165610	20.384	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14588	21.419	ug/l	80

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68158	17.401	ug/l	98
94) Hexachlorobutadiene	15.01	225	50393	20.482	ug/l	97
95) Naphthalene	15.13	128	156990	17.871	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	72952	18.442	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0403MBS01

Tot Ion:168 Resp: 407111

Ion Ratio Lower Upper

168 100

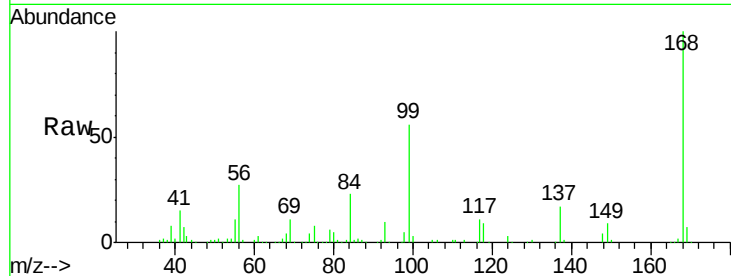
99 54.5 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

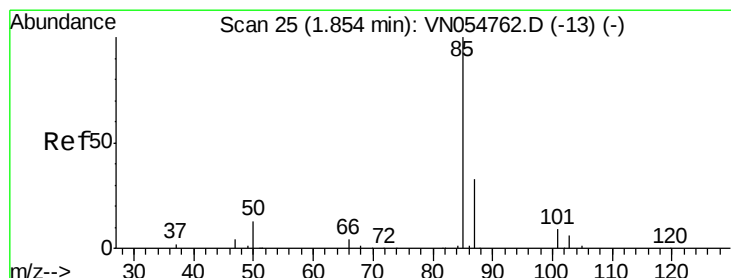
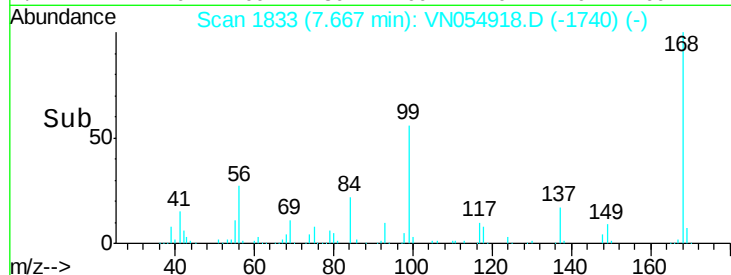
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.583 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054918.D

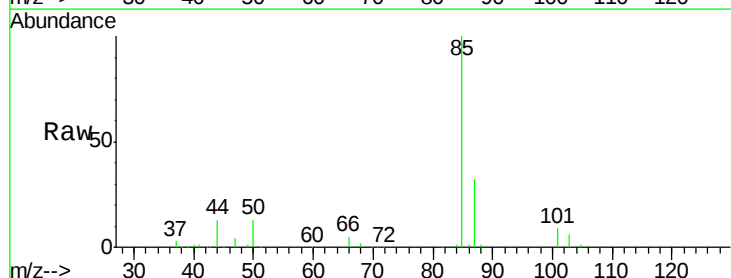
Acq: 3 Apr 2019 11:37

Tgt Ion: 85 Resp: 80642

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

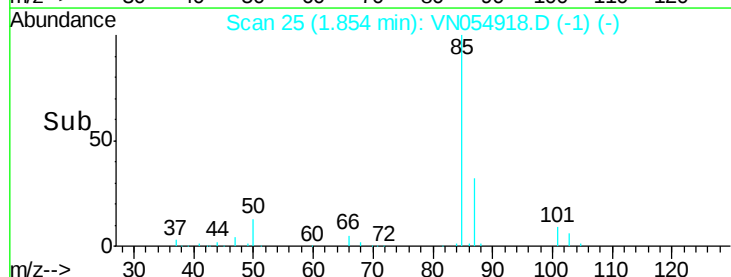
40000

20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.836 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0403MBS01

Tot Ion: 50 Resp: 112943

Ion Ratio Lower Upper

50 100

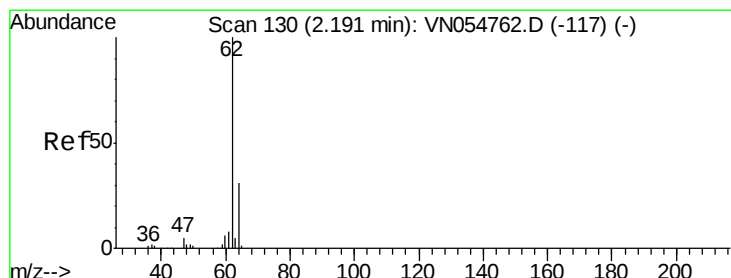
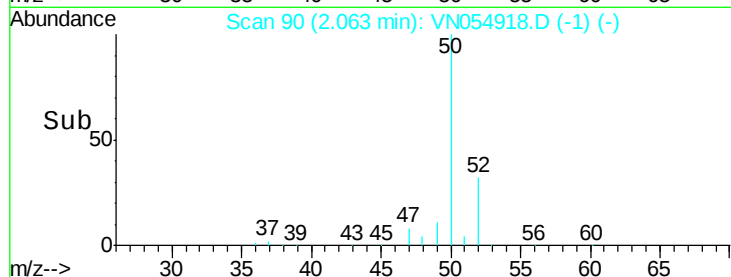
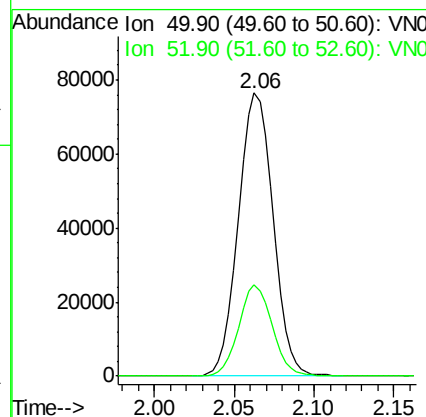
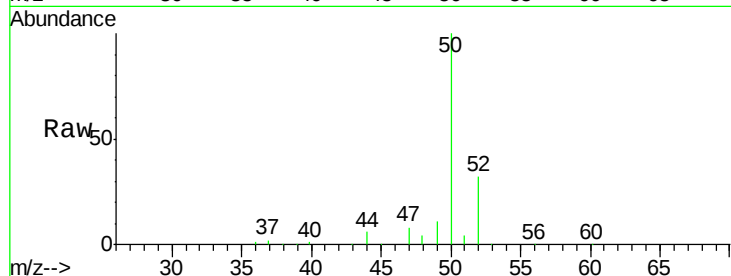
52 32.1 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.263 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054918.D

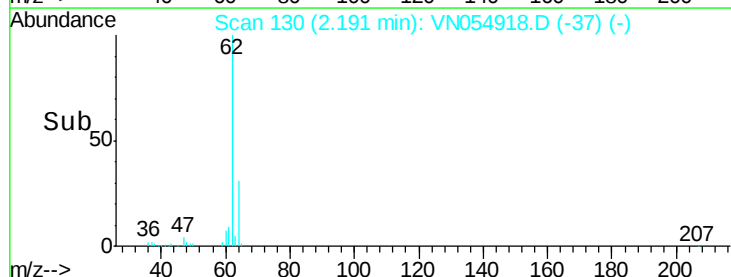
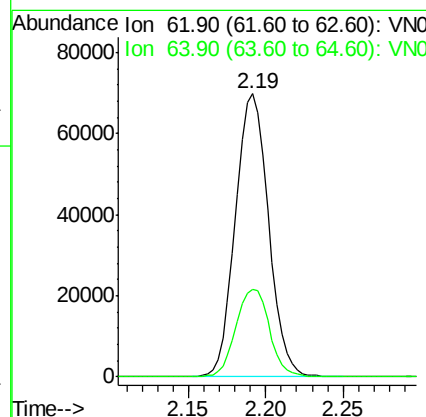
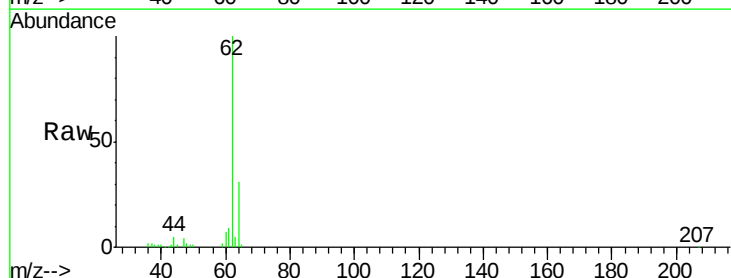
Acq: 3 Apr 2019 11:37

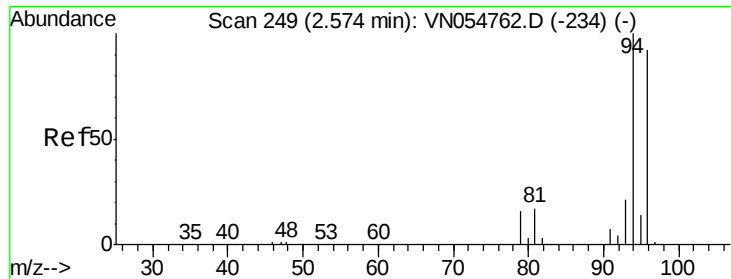
Tgt Ion: 62 Resp: 103609

Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3





#5

Bromomethane

Concen: 20.228 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0403MBS01

Tot Ion: 94 Resp: 57815

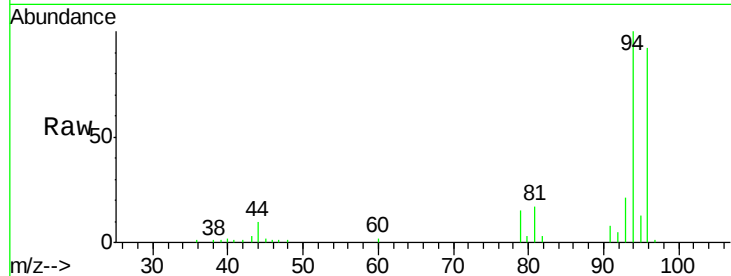
Ion Ratio Lower Upper

94 100

96 91.9 77.0 115.4

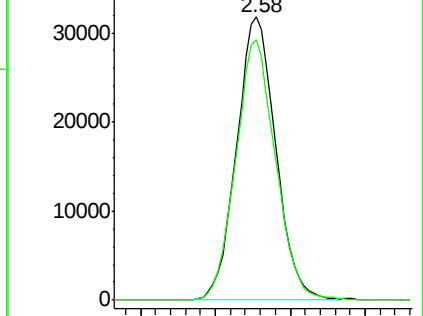
Manual Integrations
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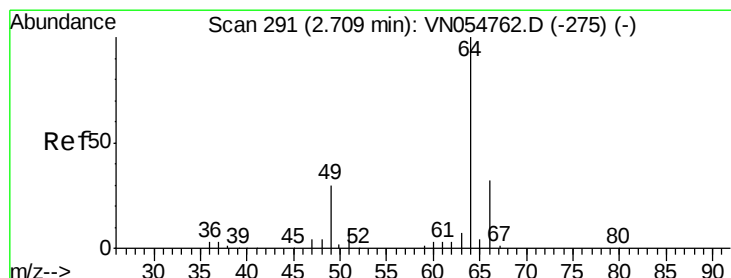
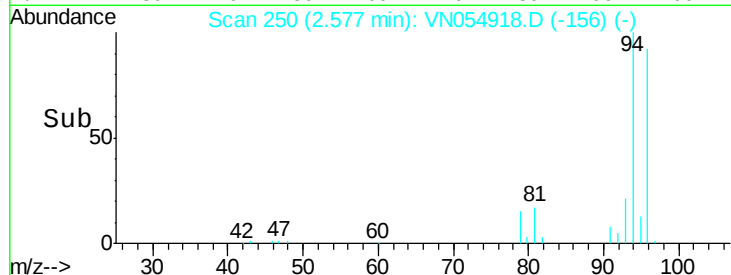


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 20.315 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054918.D

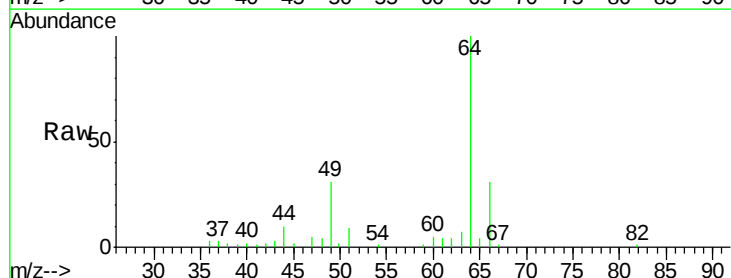
Acq: 3 Apr 2019 11:37

Tgt Ion: 64 Resp: 58002

Ion Ratio Lower Upper

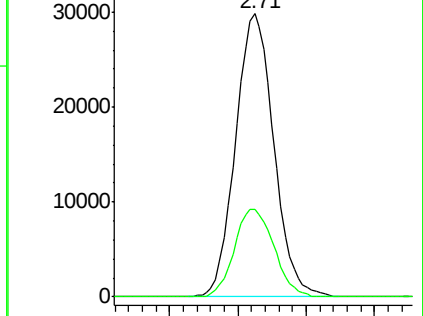
64 100

66 30.8 25.7 38.5

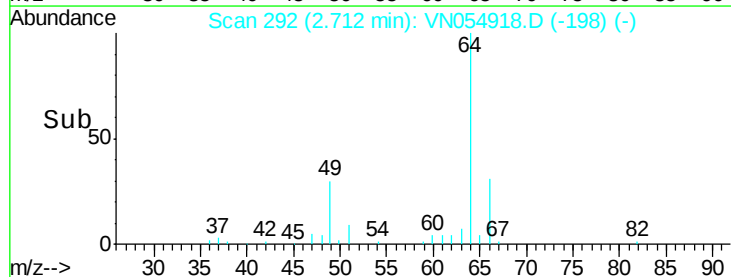


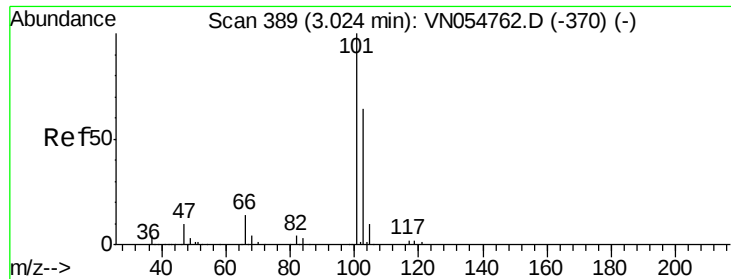
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

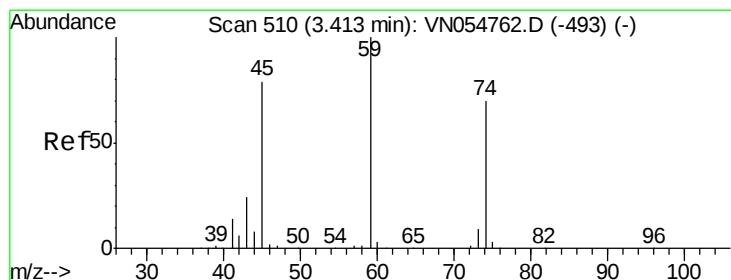
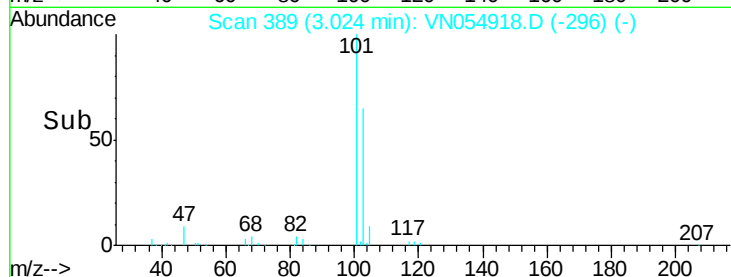
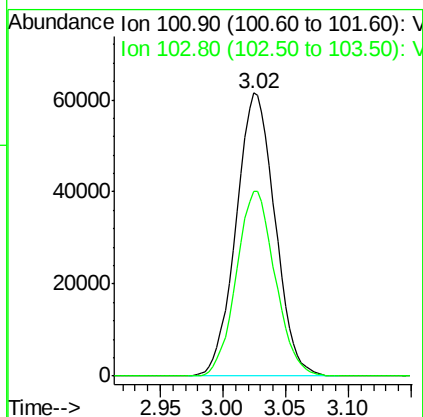
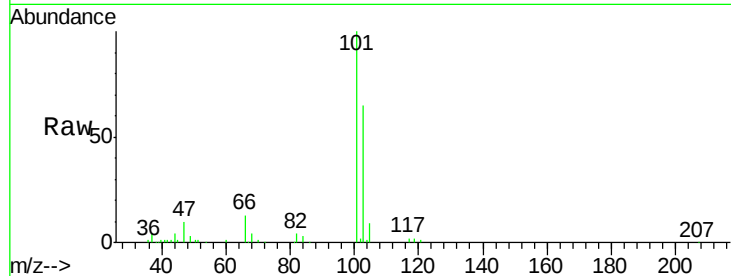
Trichlorofluoromethane
Concen: 21.087 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	132561		
103	65.1	51.4	77.2	

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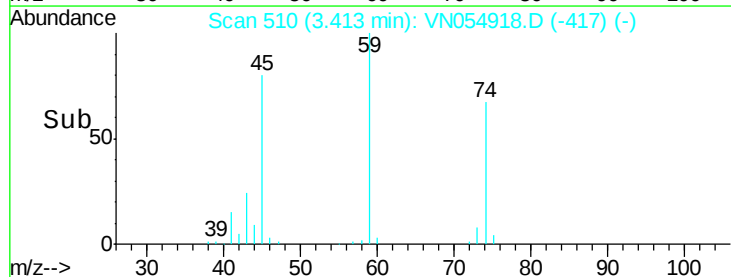
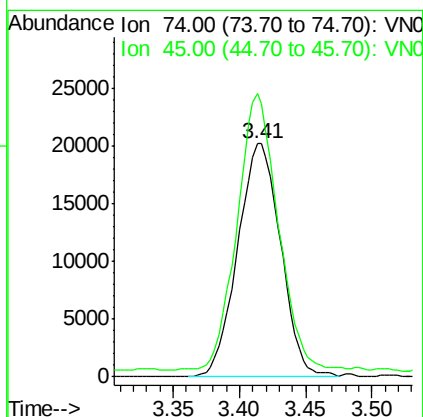
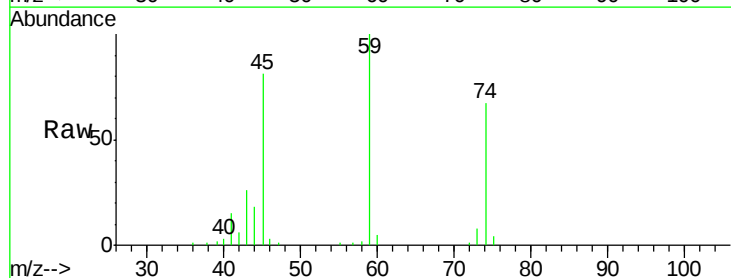
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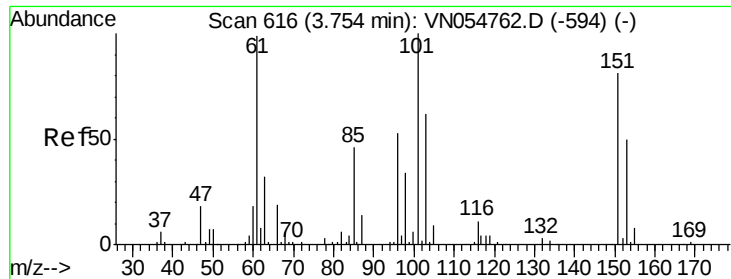


#8

Diethyl Ether
Concen: 22.493 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	45529		
45	111.8	43.1	129.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.683 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

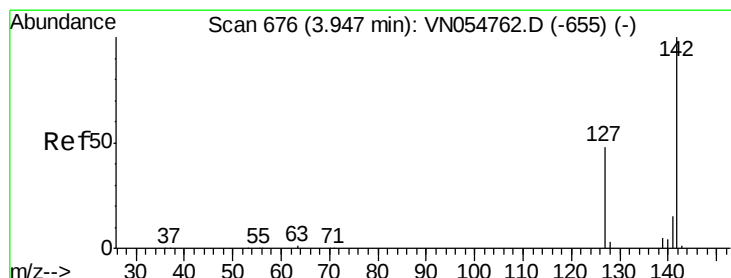
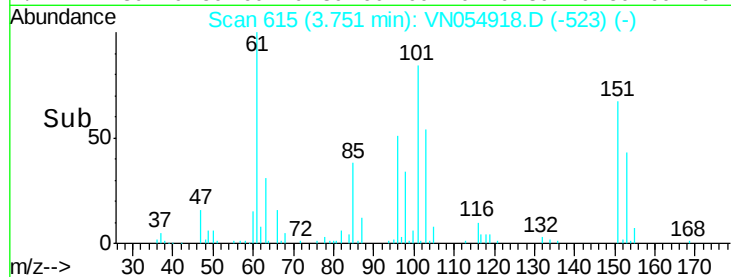
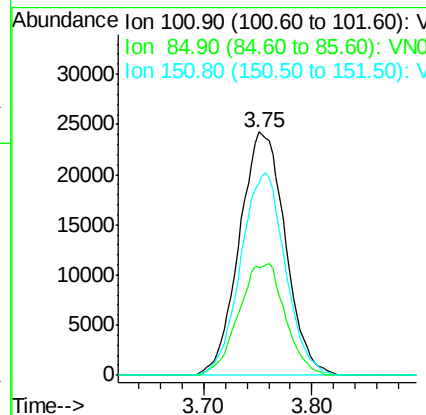
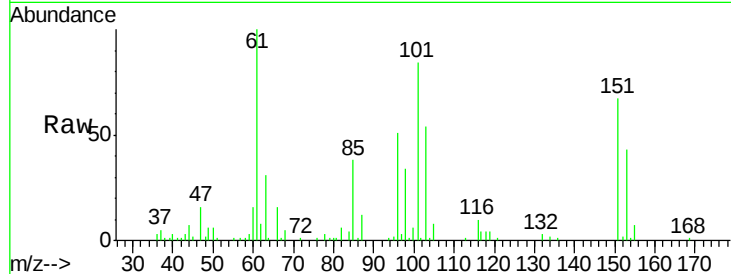
ClientSampleId :

VN0403MBS01

Tot Ion:	101	Resp:	71754
Ion Ratio	Lower	Upper	
101	100		
85	46.3	32.4	48.6
151	80.8	68.2	102.2

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MMDadoda
4/4/2019 9:31:14 AM



#10

Methyl Iodide

Concen: 20.475 ug/l

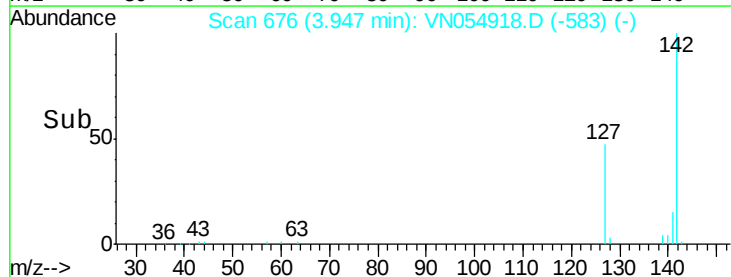
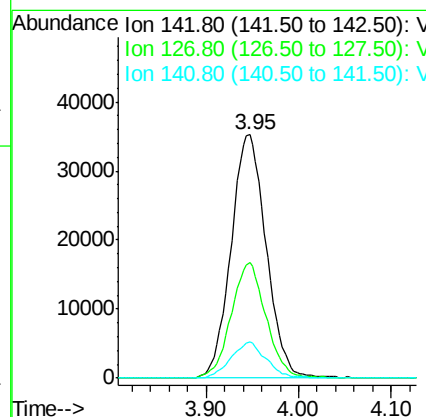
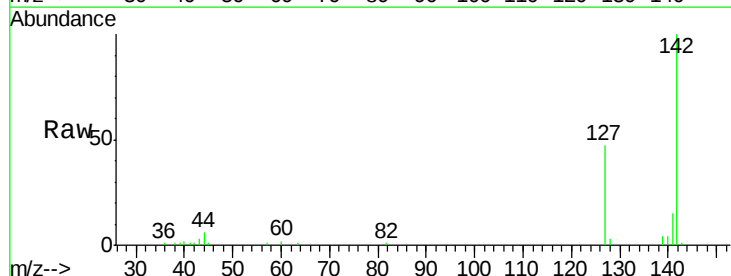
RT: 3.95 min Scan# 676

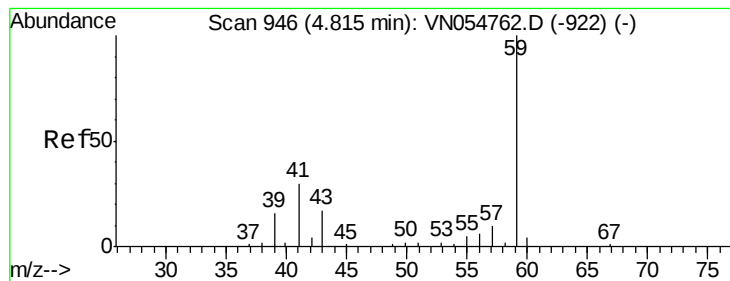
Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Tgt Ion:	142	Resp:	92755
Ion Ratio	Lower	Upper	
142	100		
127	46.8	30.3	45.5#
141	14.8	11.2	16.8





#11

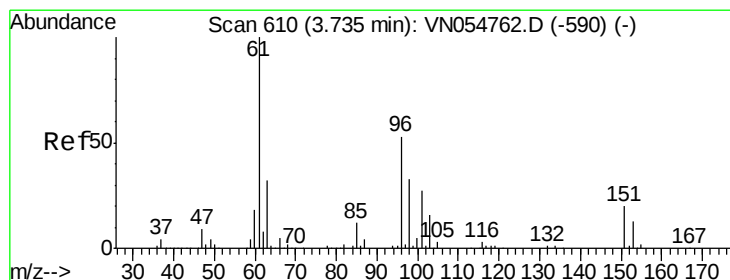
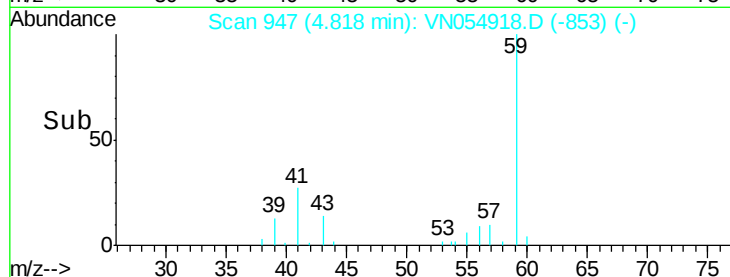
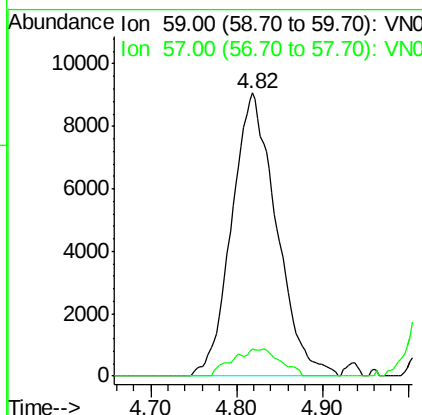
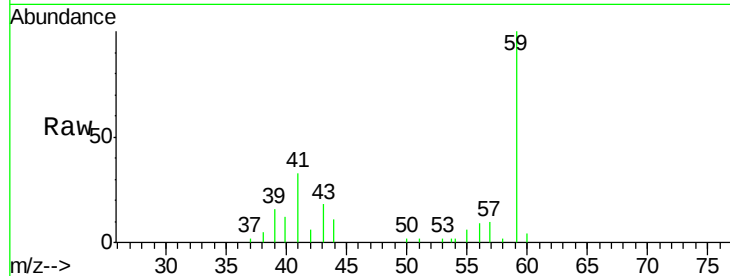
Tert butyl alcohol
 Concen: 114.513 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0403MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.6#

Manual Integrations
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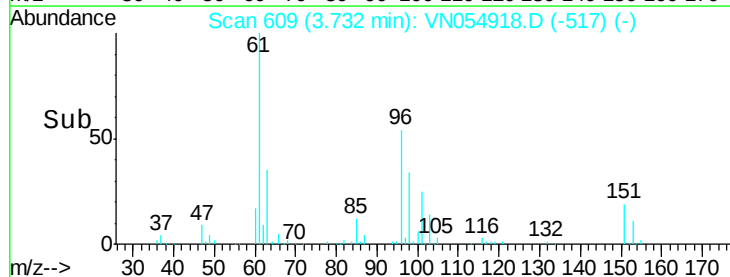
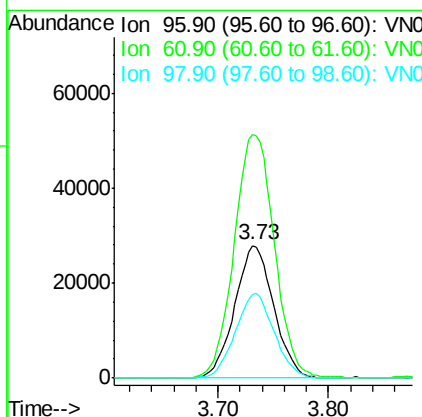
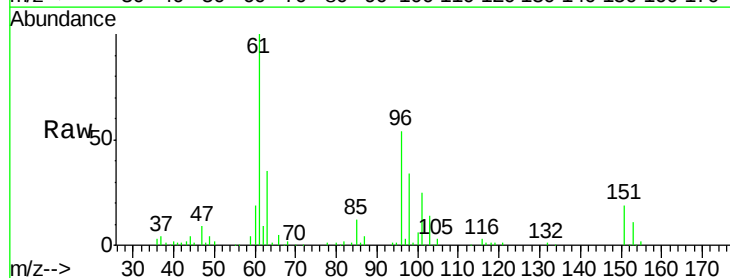
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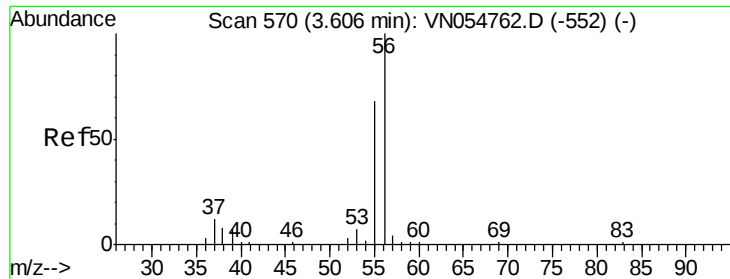


#12

1,1-Dichloroethene
 Concen: 21.281 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.7	116.5	174.7#
98	63.1	51.0	76.4





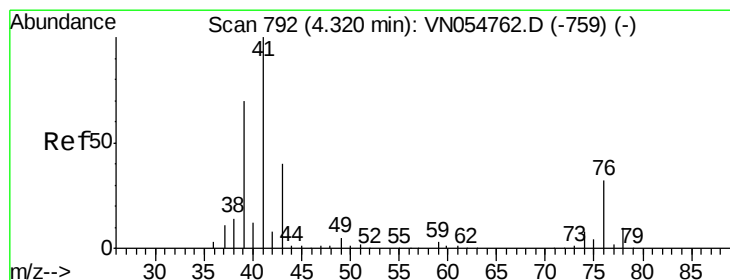
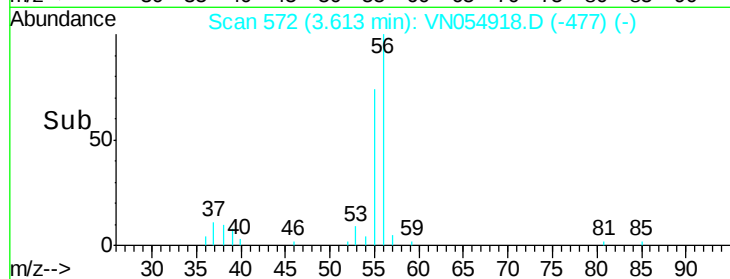
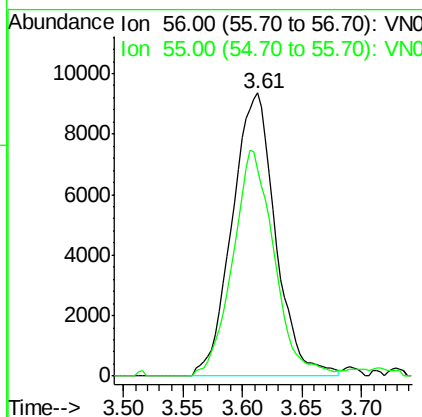
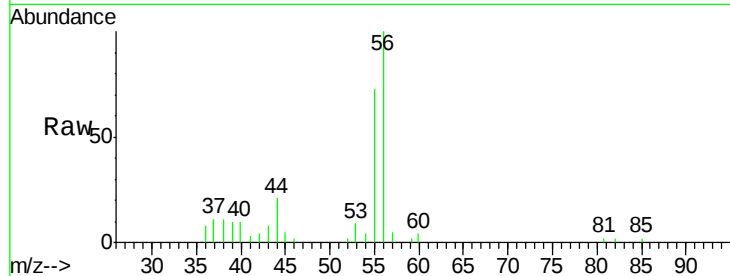
#13
Acrolein
Concen: 92.313 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.01 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0403MBS01

Tot Ion: 56 Resp: 23597
Ion Ratio Lower Upper
56 100
55 76.1 56.7 85.1

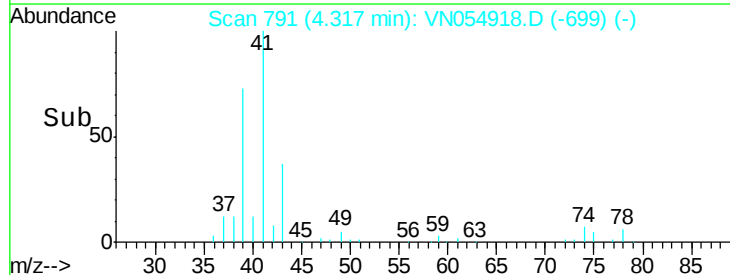
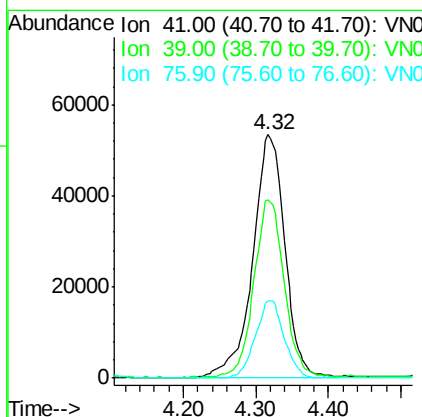
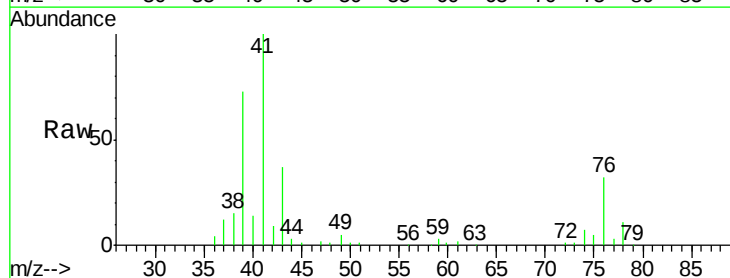
Manual Integrations
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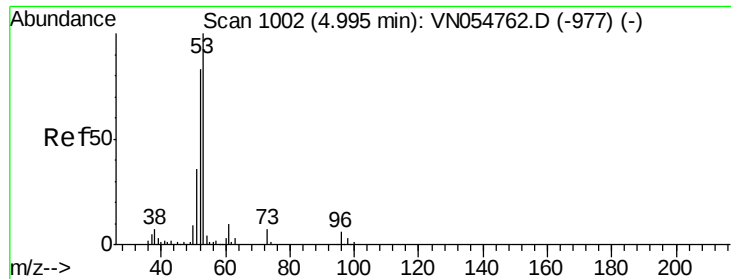
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#14
Allyl chloride
Concen: 21.021 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion: 41 Resp: 165692
Ion Ratio Lower Upper
41 100
39 67.7 58.2 87.4
76 28.4 31.7 47.5#





#15

Acrylonitrile

Concen: 114.074 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

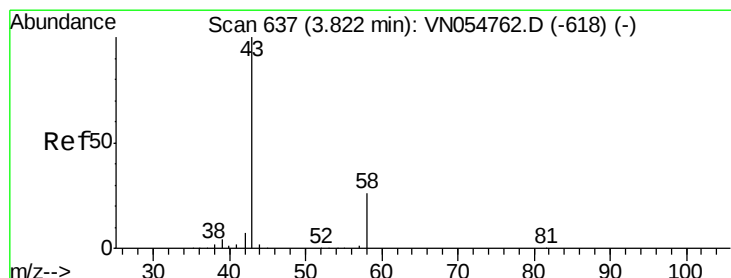
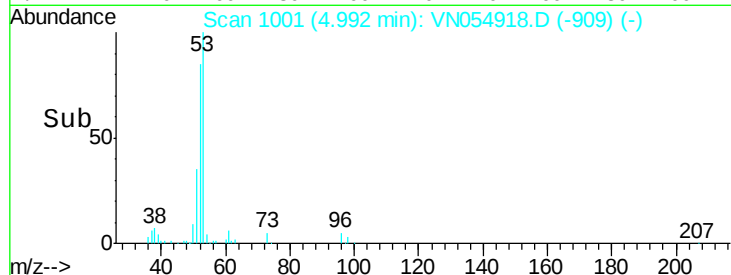
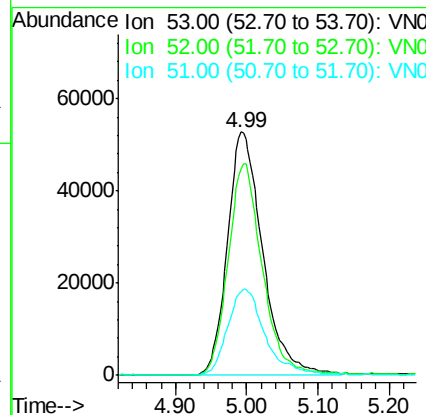
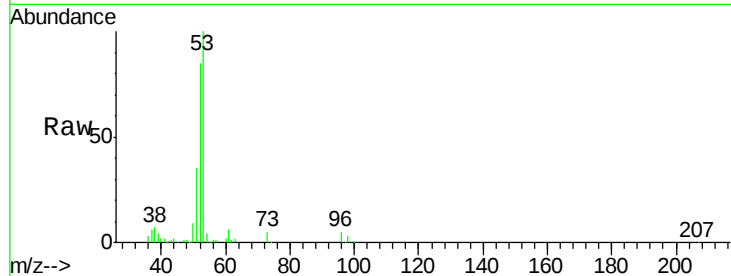
ClientSampleId :

VN0403MBS01

Tot Ion:	53	Resp:	181298
Ion Ratio	Lower	Upper	
53	100		
52	84.2	66.4	99.6
51	37.7	29.6	44.4

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#16

Acetone

Concen: 117.963 ug/l

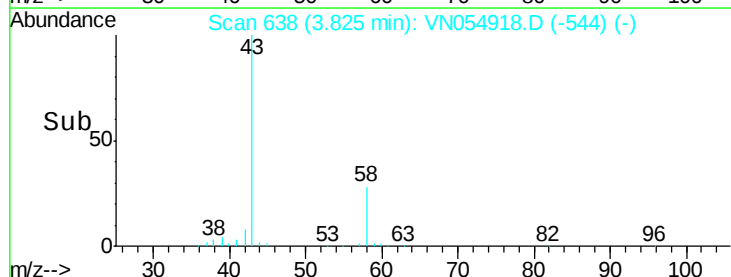
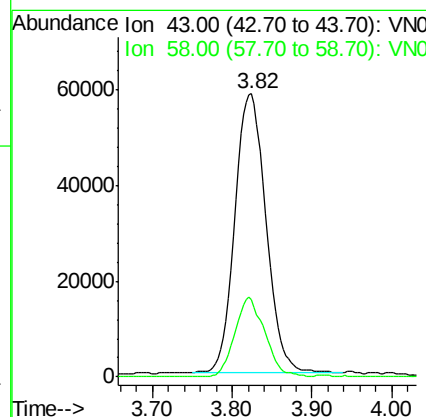
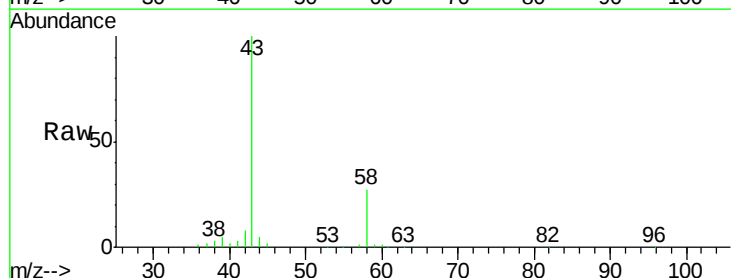
RT: 3.82 min Scan# 638

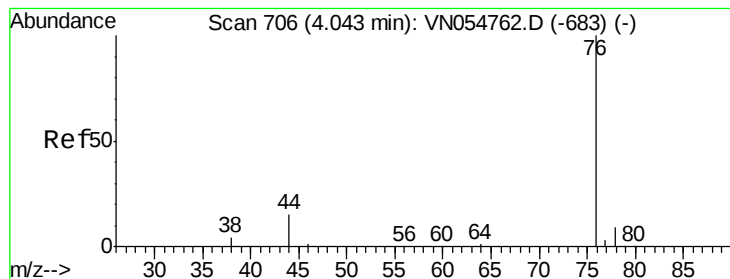
Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Tgt Ion:	43	Resp:	154377
Ion Ratio	Lower	Upper	
43	100		
58	27.5	29.9	44.9#





#17

Carbon Disulfide

Concen: 17.988 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0403MBS01

Tot Ion: 76 Resp: 186703

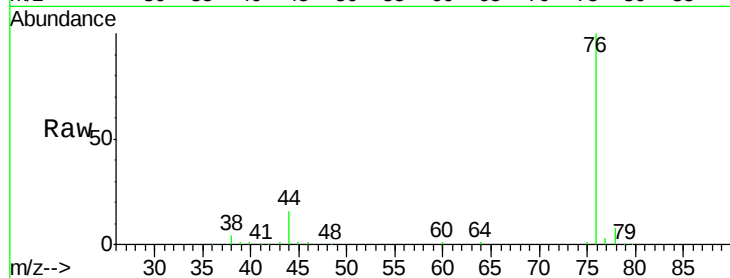
Ion Ratio Lower Upper

76 100

78 8.3 7.5 11.3

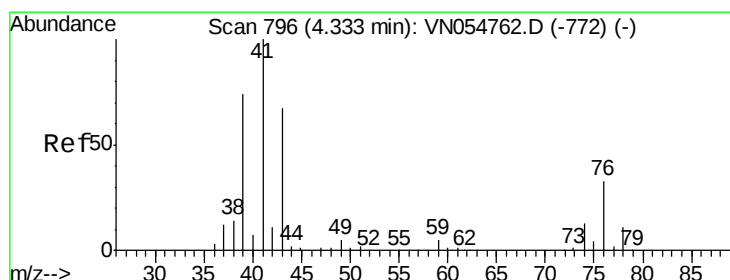
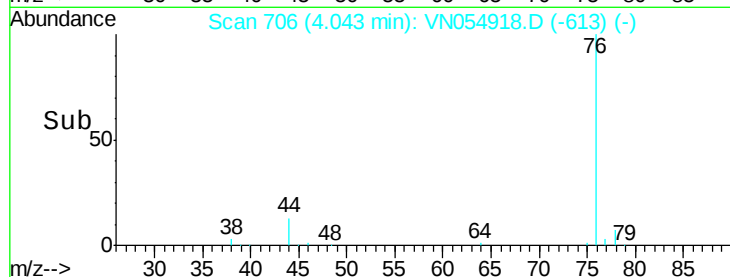
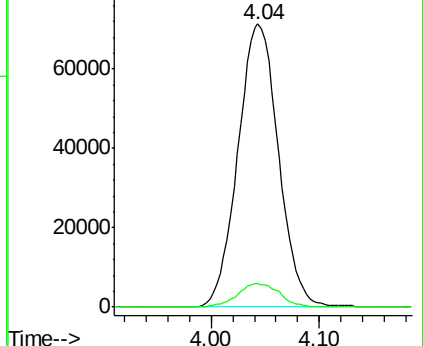
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 23.698 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054918.D

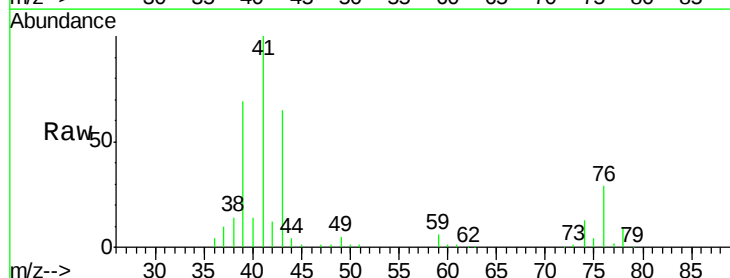
Acq: 3 Apr 2019 11:37

Tgt Ion: 43 Resp: 82427

Ion Ratio Lower Upper

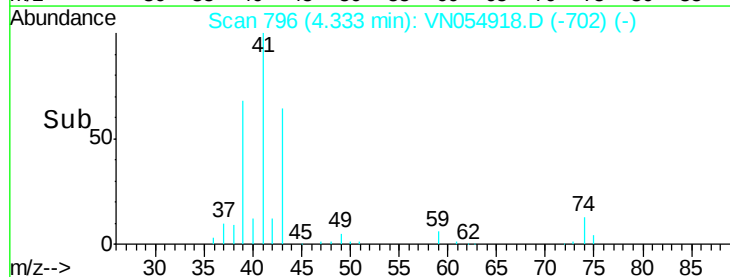
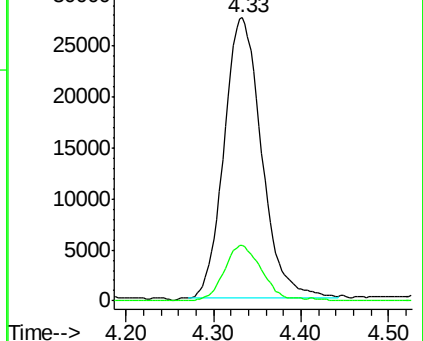
43 100

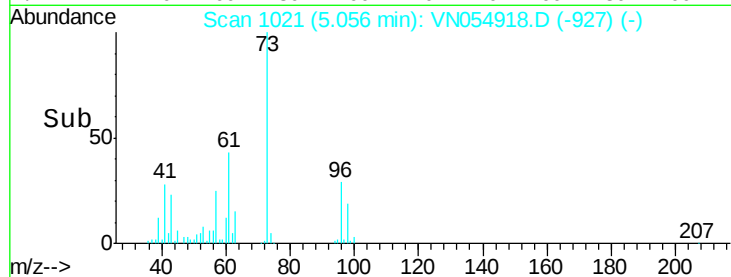
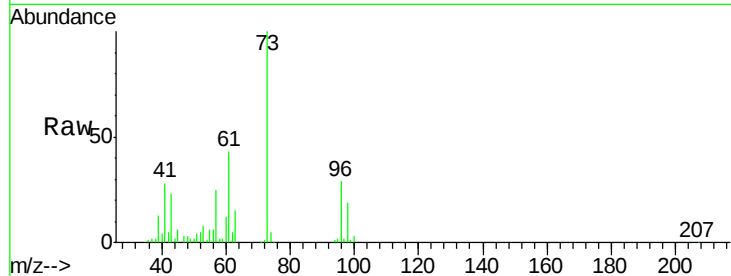
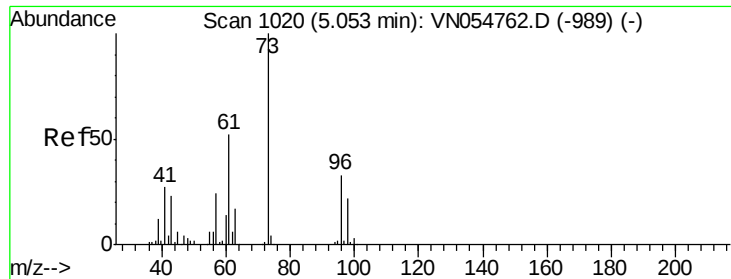
74 19.7 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





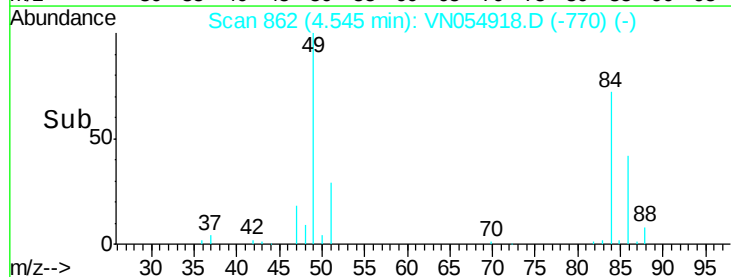
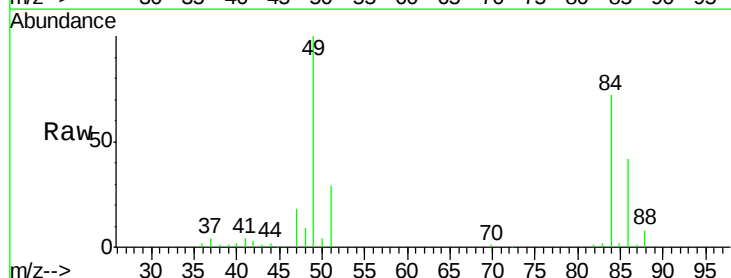
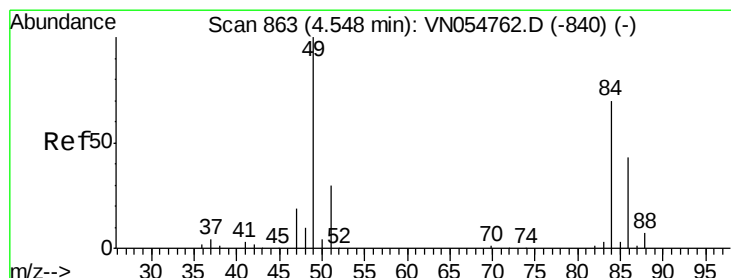
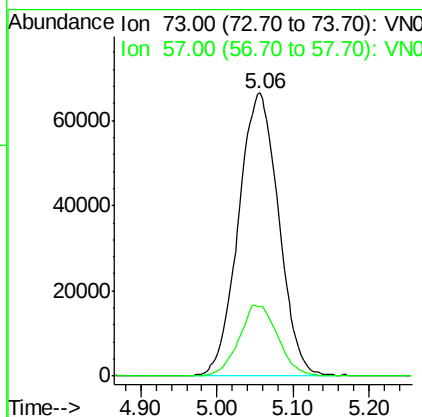
#19
Methvl tert-butvl Ether
Concen: 21.852 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tot Ion: 73 Resp: 244616
Ion Ratio Lower Upper
73 100
57 24.3 16.8 25.2

Instrument :
MSVOA_N
ClientSampleId :
VN0403MBS01

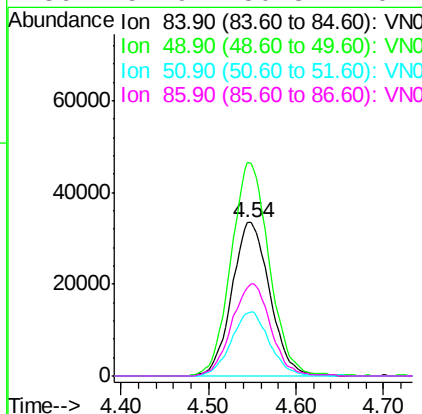
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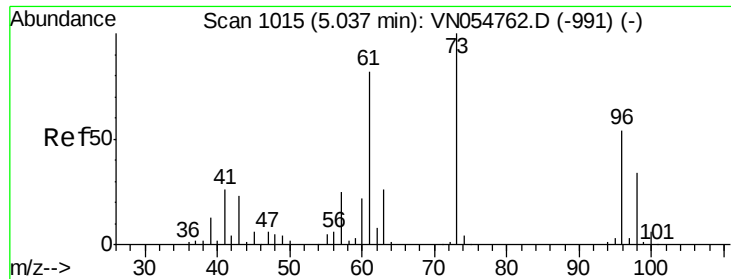
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#20
Methylene Chloride
Concen: 21.745 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion: 84 Resp: 100379
Ion Ratio Lower Upper
84 100
49 139.5 89.7 134.5#
51 40.7 28.2 42.4
86 57.9 50.8 76.2





#21

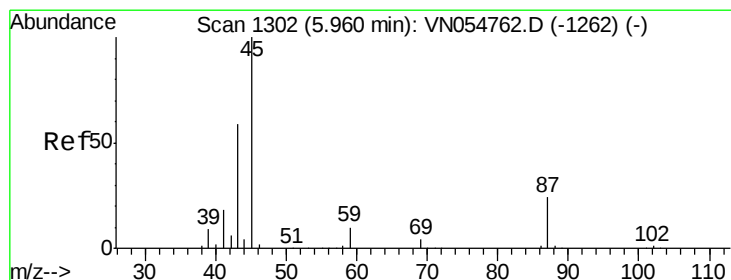
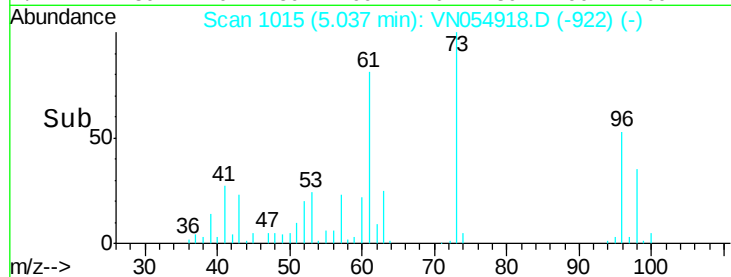
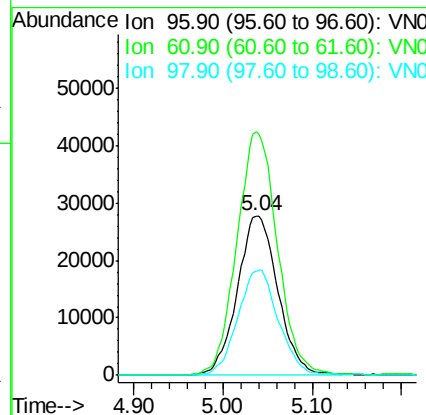
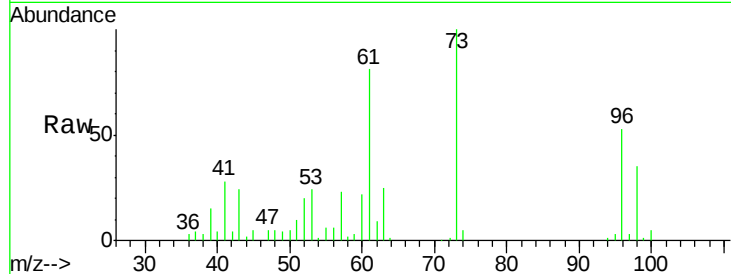
trans-1,2-Dichloroethene
Concen: 20.878 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0403MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.0	102.8	154.2
98	65.3	50.0	75.0

Manual Integrations
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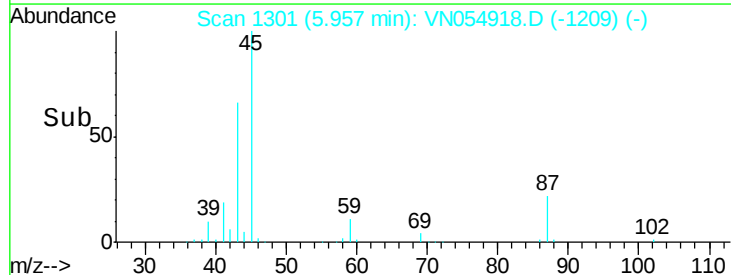
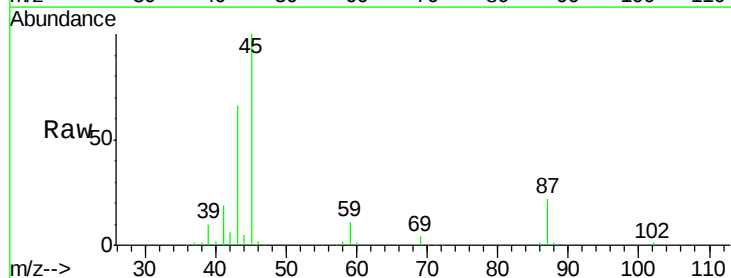
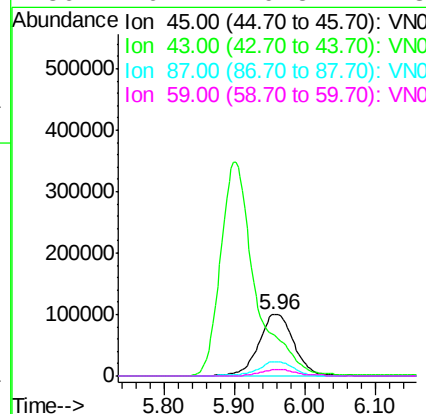
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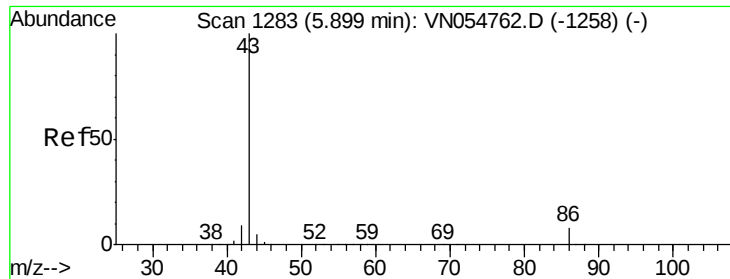


#22

Diisopropyl ether
Concen: 22.374 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.6	48.2	72.2
87	21.9	24.9	37.3
59	10.2	9.5	14.3





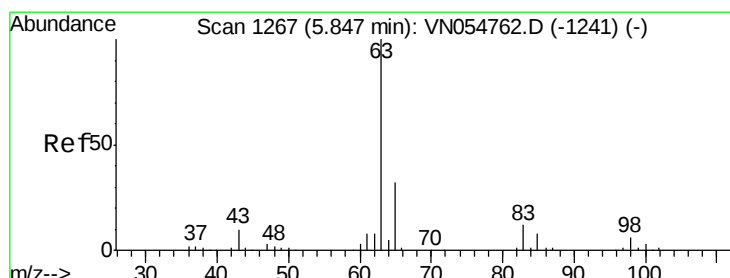
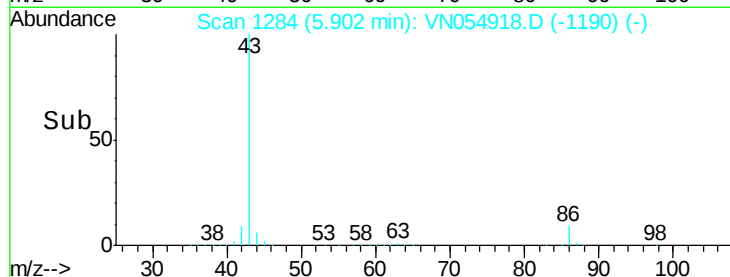
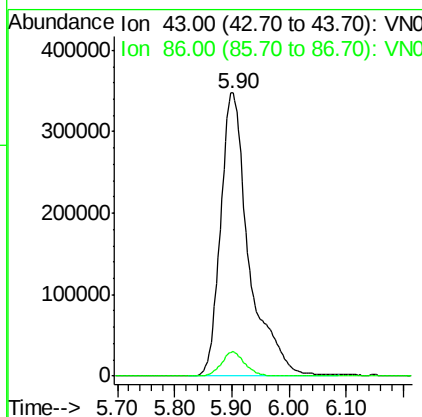
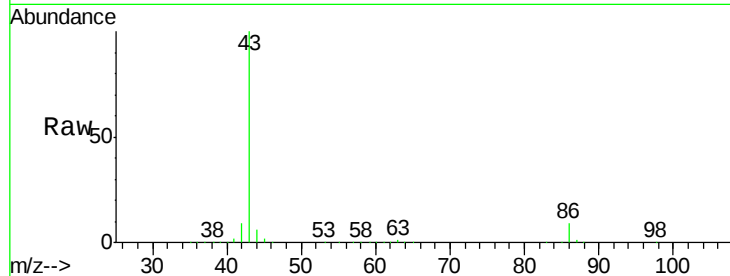
#23
 Vinyl Acetate
 Concen: 110.477 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403MBS01

Tot Ion: 43 Resp: 1198578
 Ion Ratio Lower Upper
 43 100
 86 8.6 9.1 13.7#

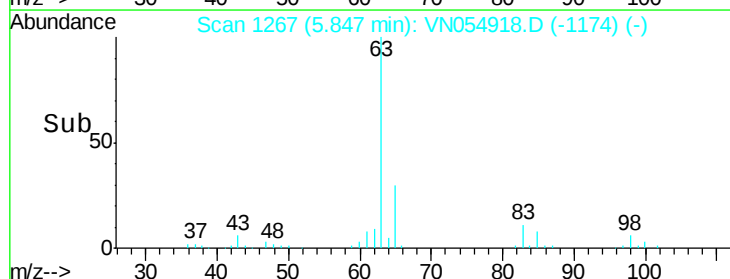
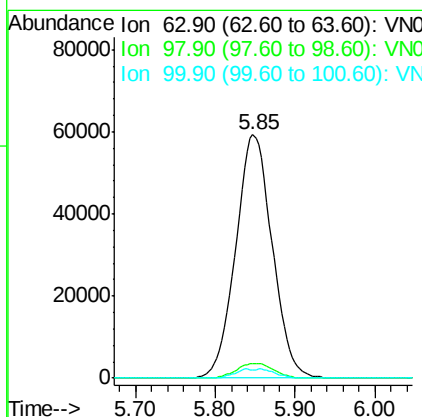
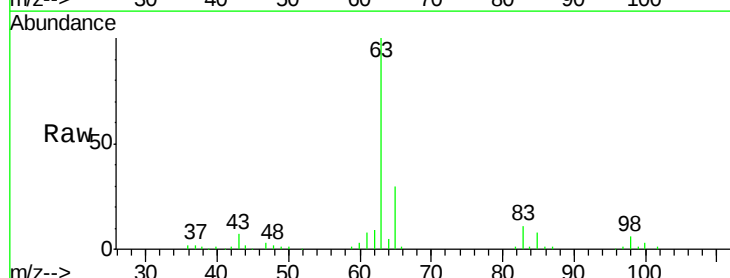
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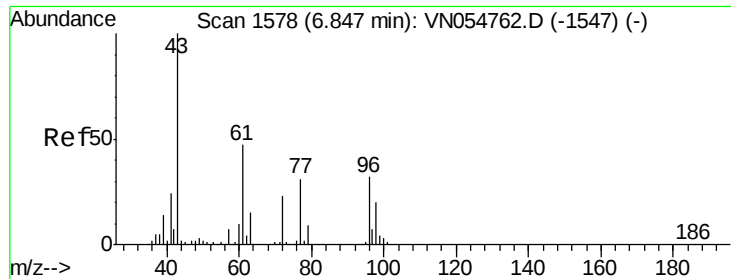
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#24
 1,1-Dichloroethane
 Concen: 22.009 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Tgt Ion: 63 Resp: 183036
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.5 10.5
 100 3.4 2.0 6.0





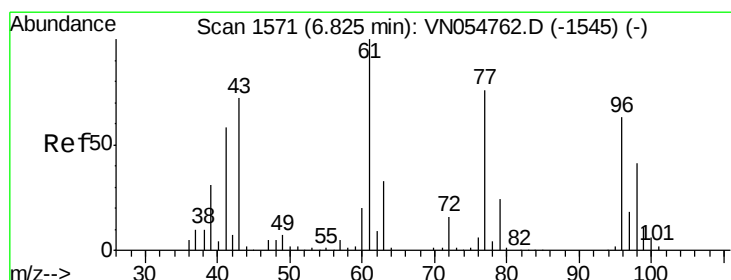
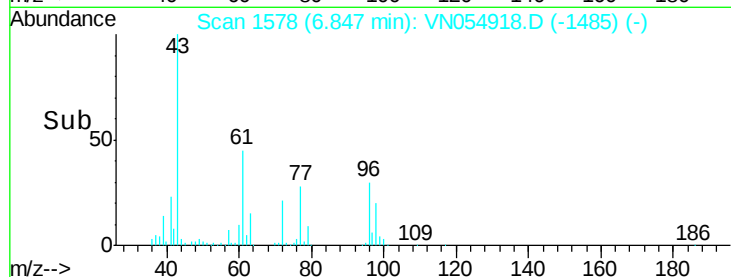
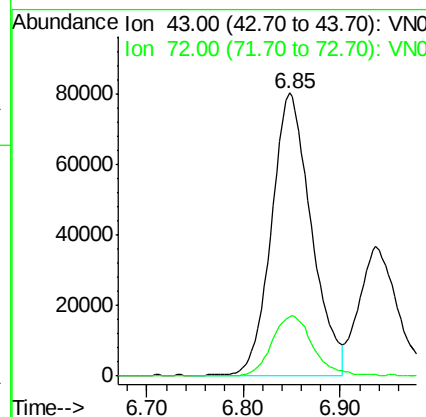
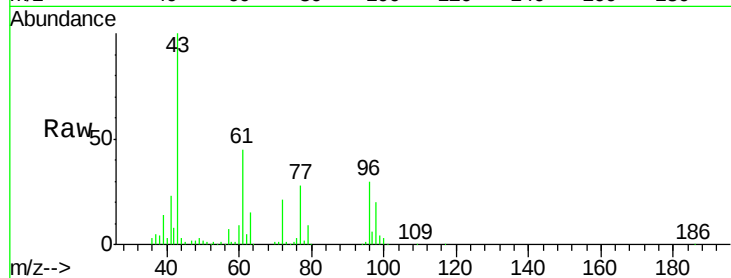
#25
2-Butanone
Concen: 119.195 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0403MBS01

Tot Ion: 43 Resp: 230581
Ion Ratio Lower Upper
43 100
72 20.8 23.0 34.6#

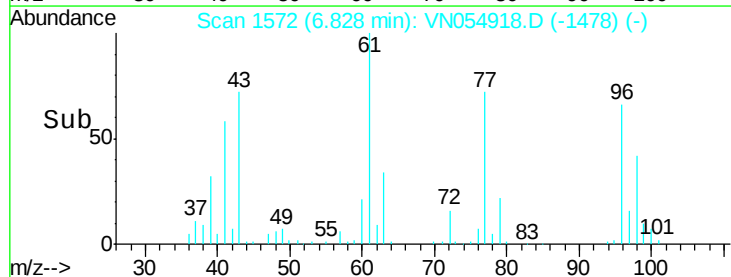
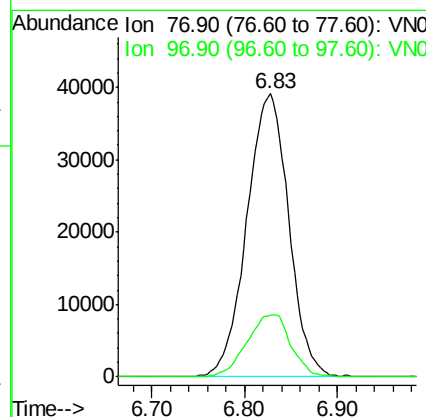
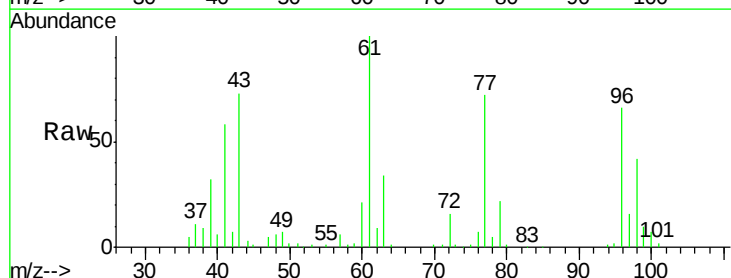
Manual Integrations
APPROVED

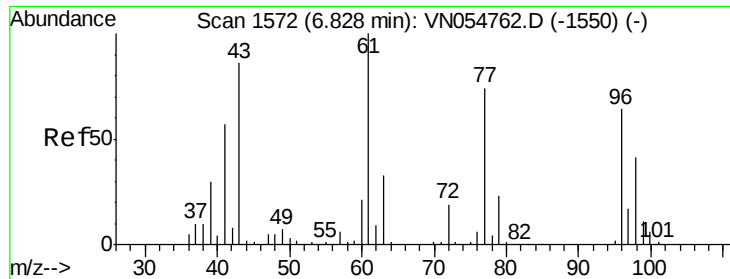
MMDadoda
4/4/2019 9:31:14 AM



#26
2,2-Dichloropropane
Concen: 21.062 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion: 77 Resp: 122765
Ion Ratio Lower Upper
77 100
97 23.0 11.9 35.9





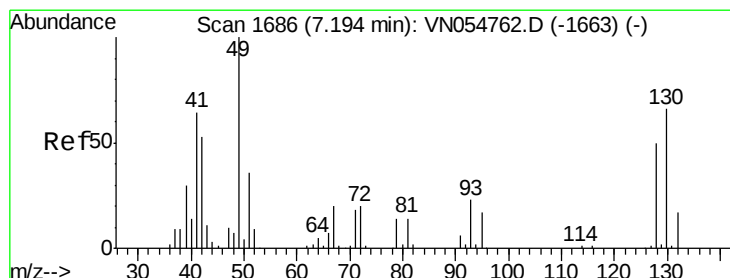
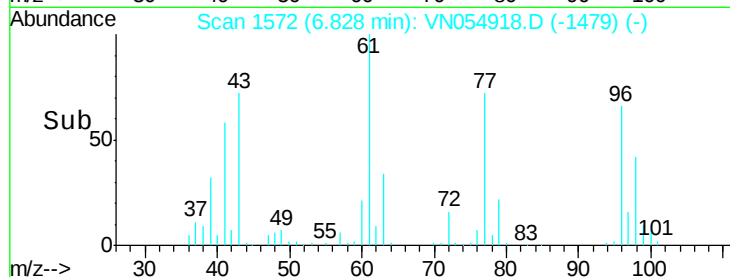
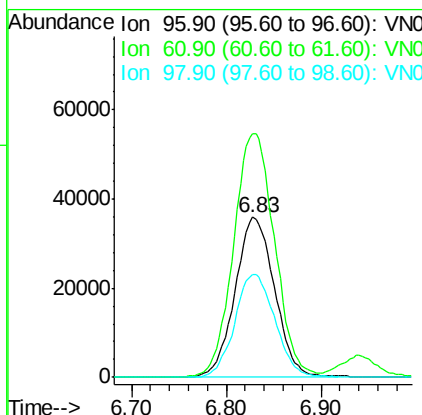
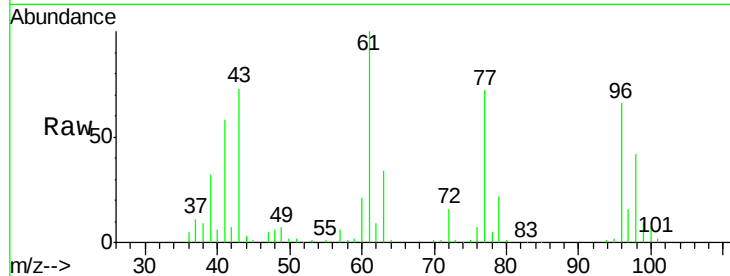
#27
 cis-1,2-Dichloroethene
 Concen: 22.020 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	157.6	0.0	273.0	
98	65.4	0.0	130.6	

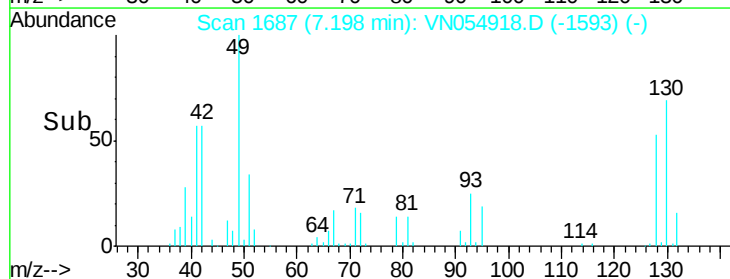
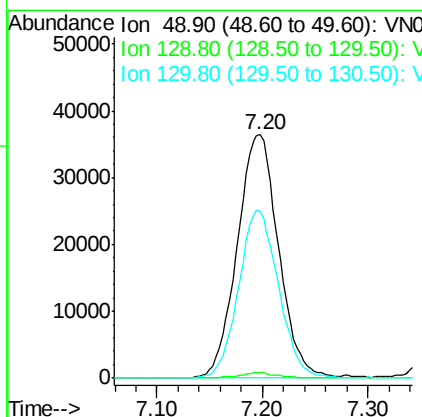
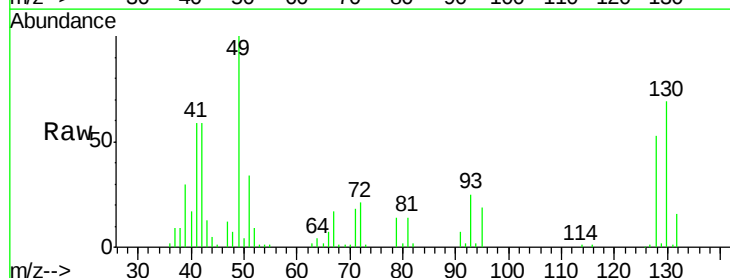
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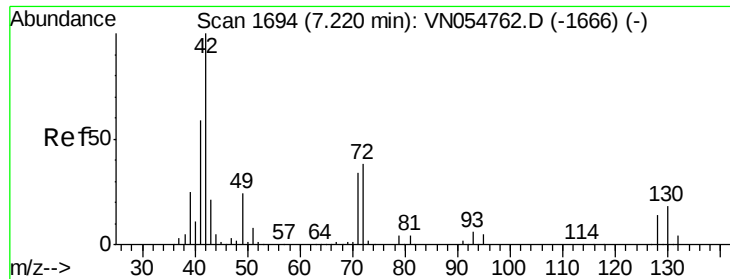
MMDadoda
 4/4/2019 9:31:14 AM



#28
 Bromochloromethane
 Concen: 23.848 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.6	
130	66.6	76.7	115.1#	





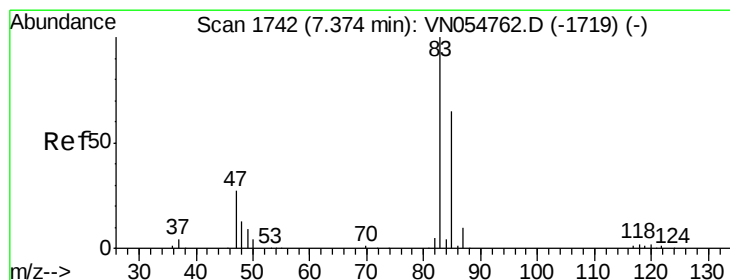
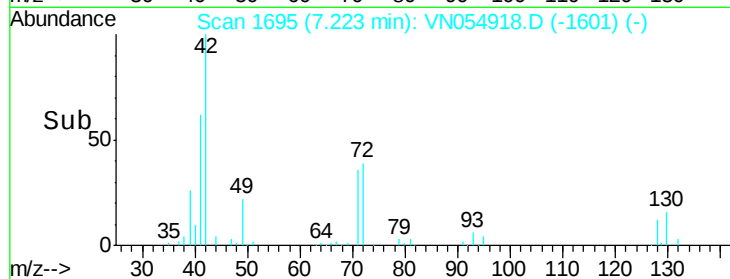
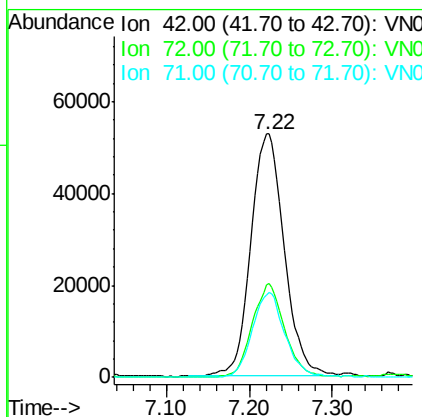
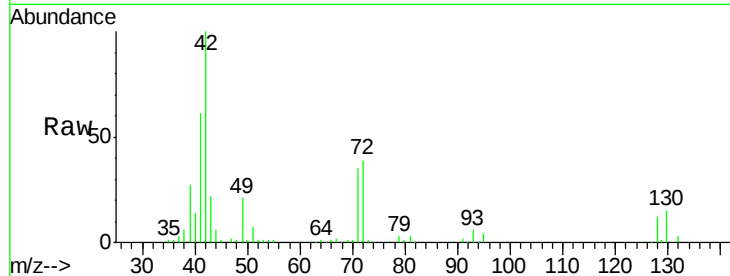
#29
Tetrahydrofuran
Concen: 110.198 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0403MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	37.8	56.6#
71	34.3	36.2	54.2#

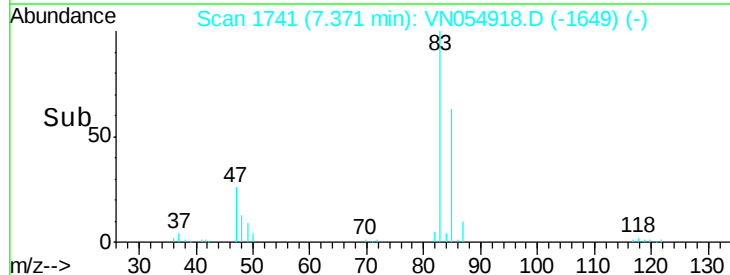
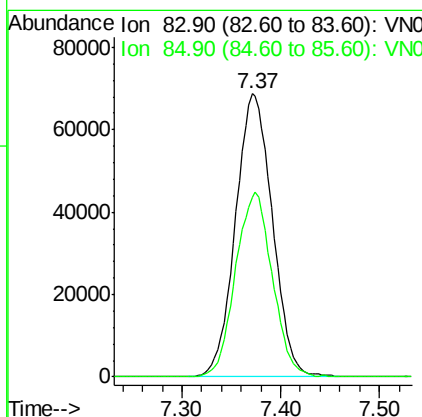
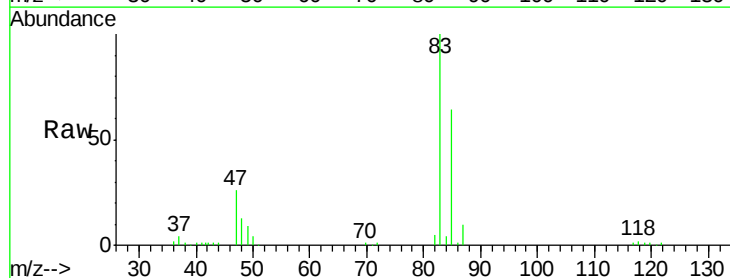
Manual Integrations
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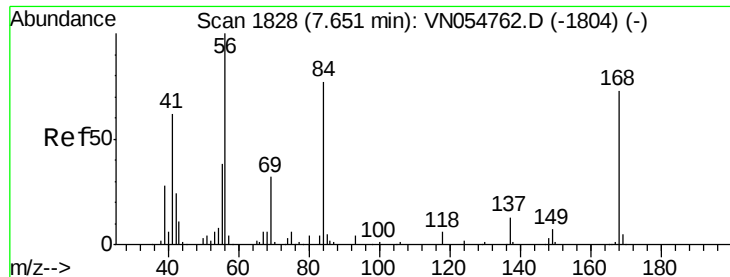
MMDadoda
4/4/2019 9:31:14 AM



#30
Chloroform
Concen: 22.462 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.2	78.4





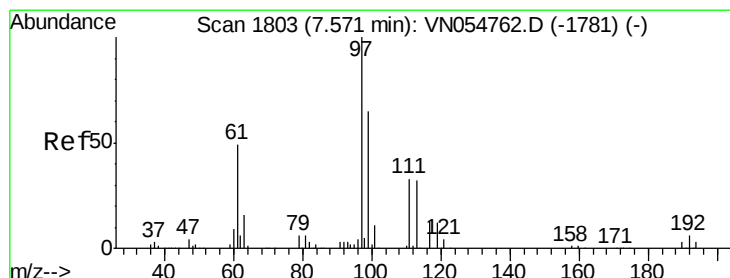
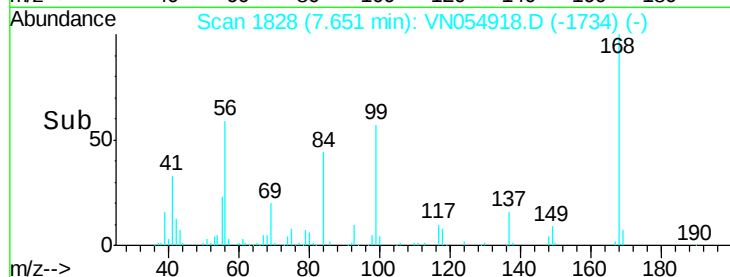
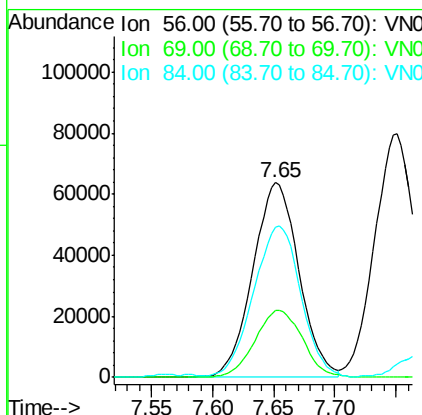
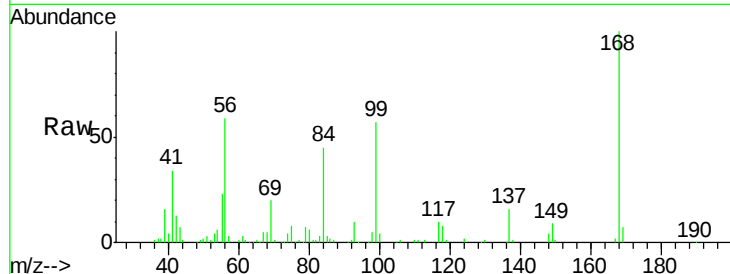
#31
Cyclohexane
Concen: 20.873 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0403MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.8	41.6
84	75.6	74.6	111.8

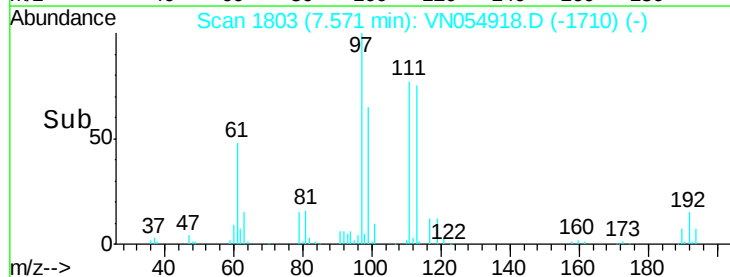
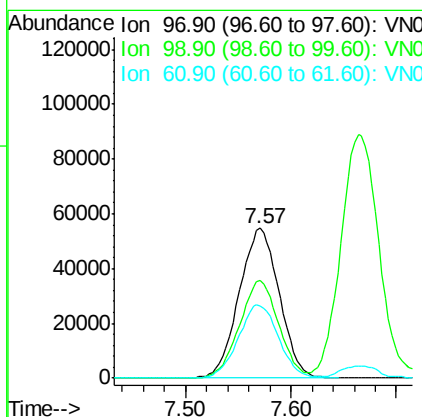
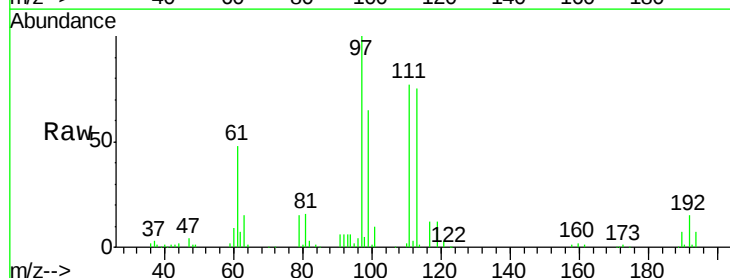
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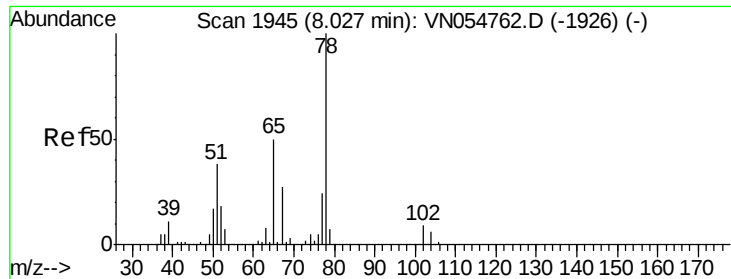
MMDadoda
4/4/2019 9:31:14 AM



#32
1,1,1-Trichloroethane
Concen: 22.047 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.5	77.3
61	49.0	33.6	50.4





#33

1,2-Dichloroethane-d4

Concen: 52.725 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0403MBS01

Tot Ion: 65 Resp: 289350

Ion Ratio Lower Upper

65 100

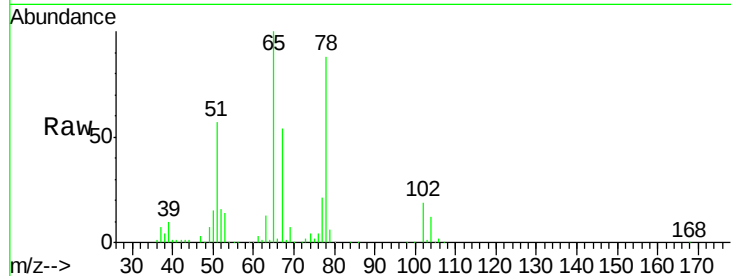
67 52.8 0.0 104.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN054918.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054918.D (-1852) (-)

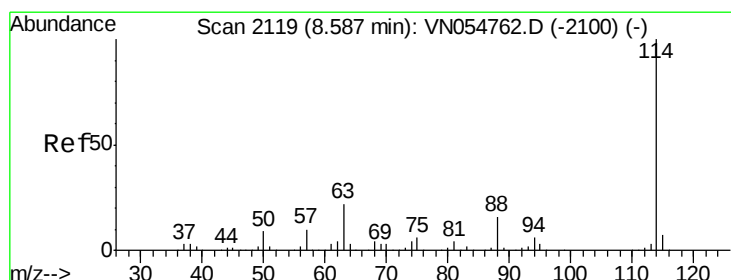
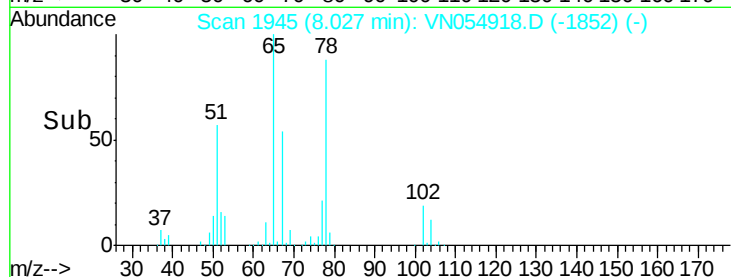
8.03

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

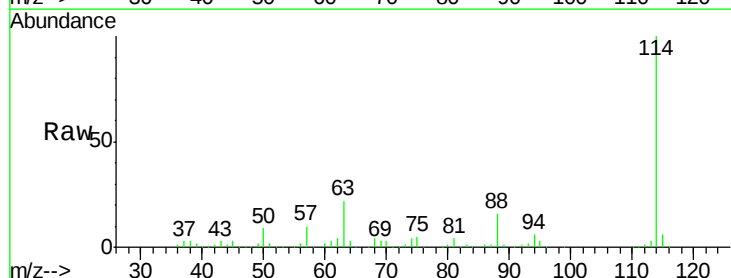
Tgt Ion: 114 Resp: 685295

Ion Ratio Lower Upper

114 100

63 22.2 0.0 35.2

88 15.7 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054918.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054918.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054918.D (-2026) (-)

8.59

400000

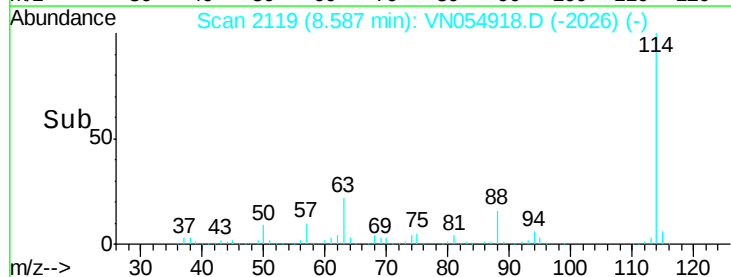
300000

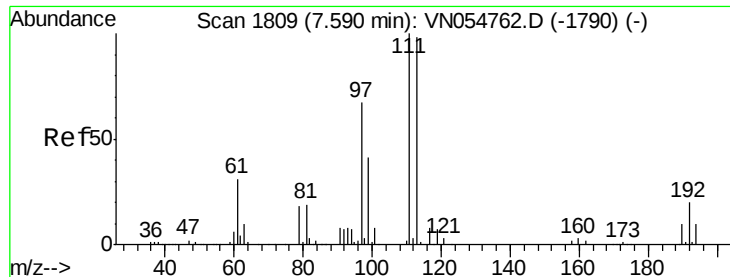
200000

100000

0

Time-->





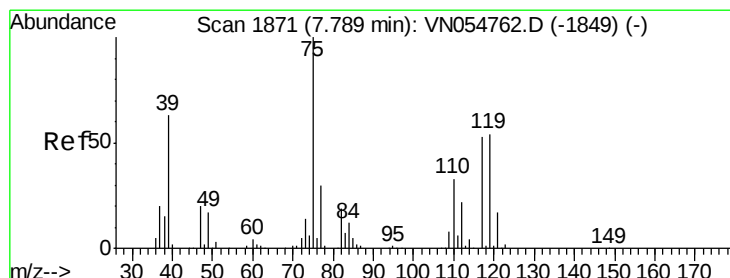
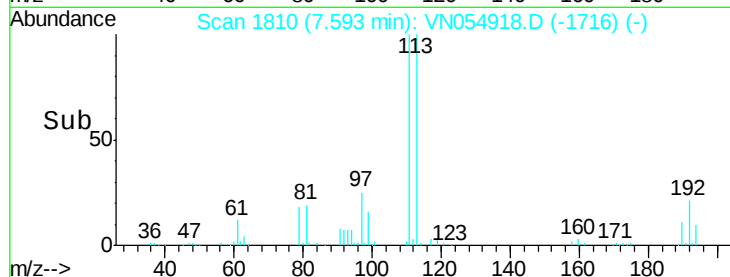
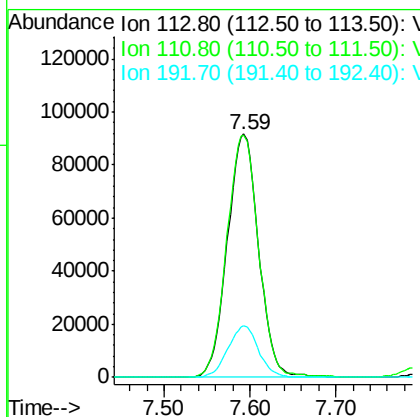
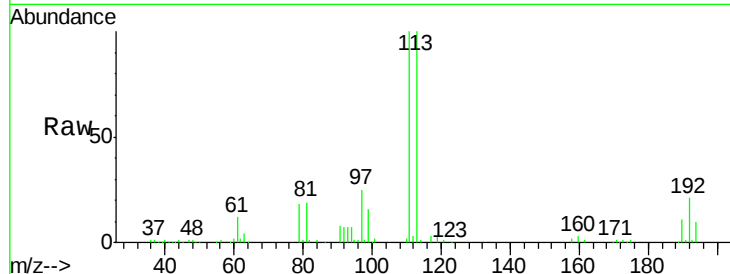
#35
 Dibromofluoromethane
 Concen: 50.614 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	231244		
111	101.4	82.2	123.4	
192	20.6	19.2	28.8	

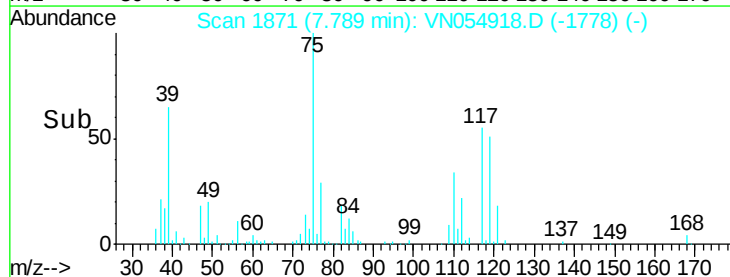
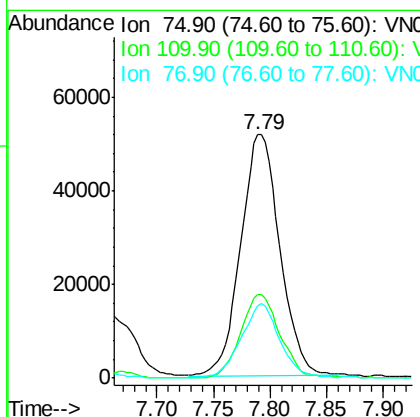
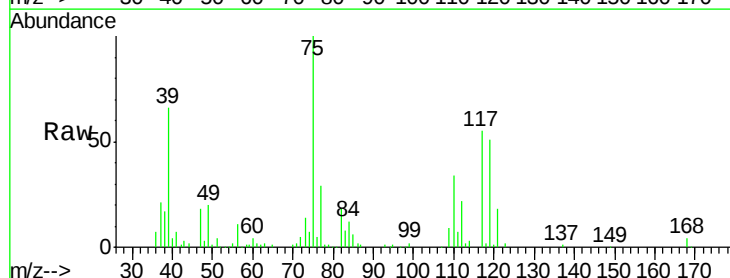
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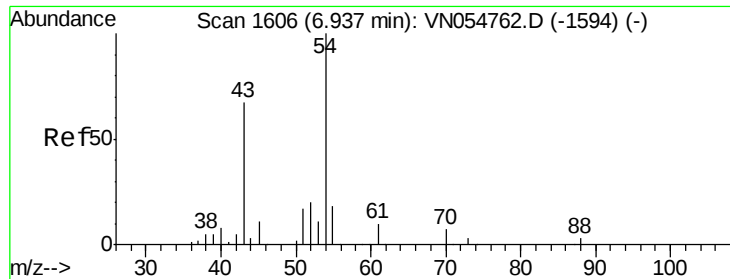
MMDadoda
 4/4/2019 9:31:14 AM



#36
 1,1-Dichloropropene
 Concen: 19.401 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123890		
110	34.9	19.1	57.5	
77	30.7	25.0	37.4	





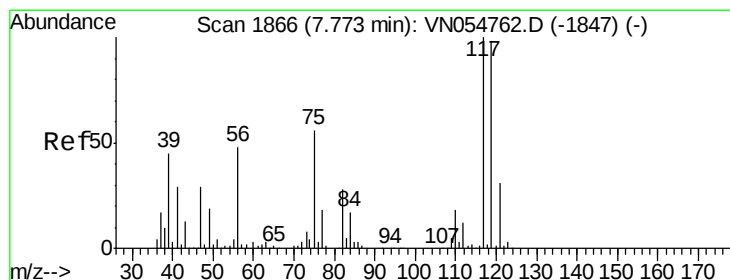
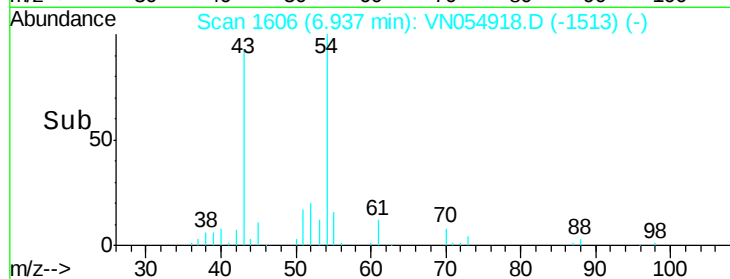
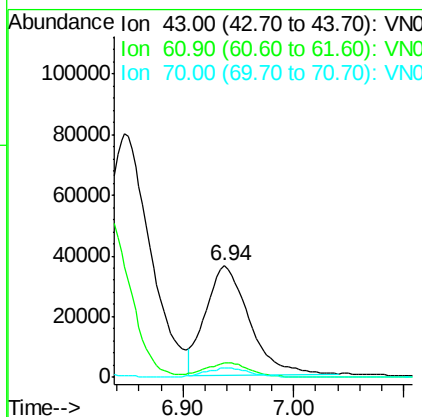
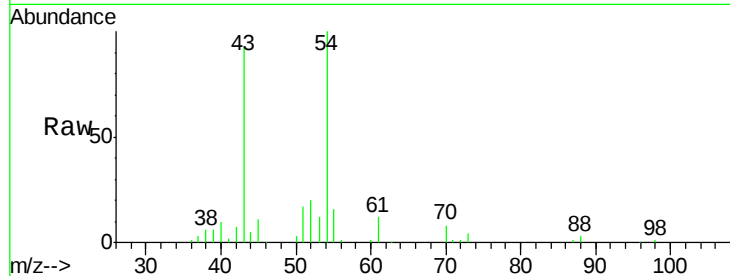
#37
Ethyl Acetate
Concen: 21.102 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0403MBS01

Tot Ion	43	61	70	Resp	Lower	Upper
43	100					
61	12.7	11.8				17.6
70	9.1	8.4				12.6

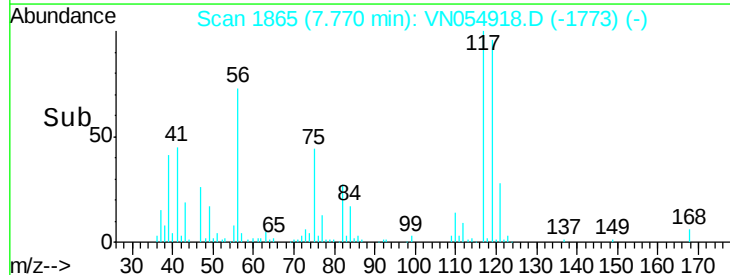
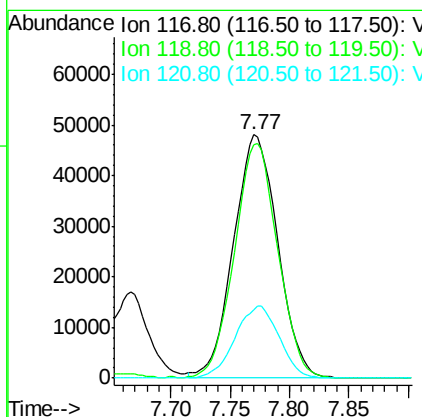
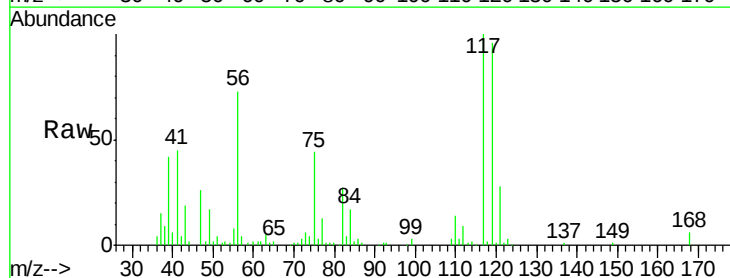
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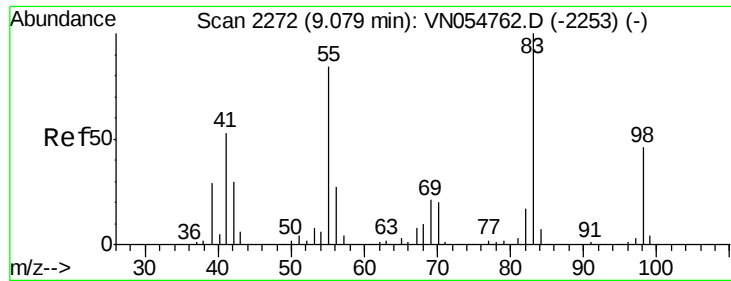
MMDadoda
4/4/2019 9:31:14 AM



#38
Carbon Tetrachloride
Concen: 19.946 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion	117	119	121	Resp	Lower	Upper
117	100					
119	95.4	76.3				114.5
121	28.2	24.6				36.8





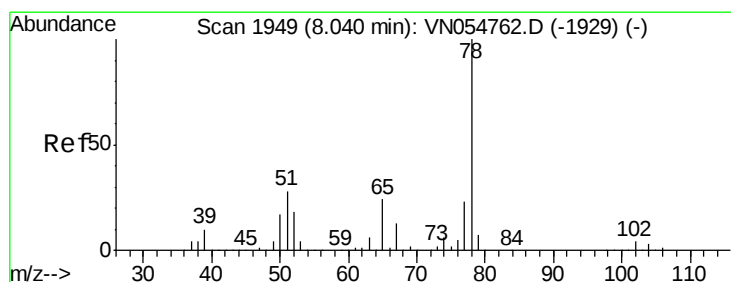
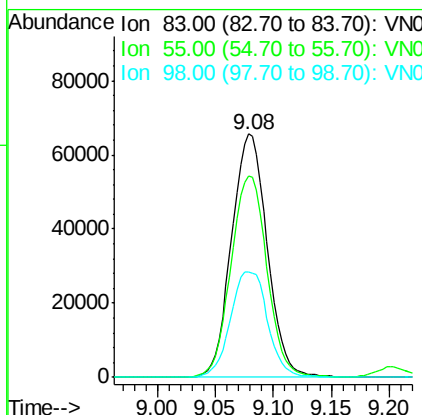
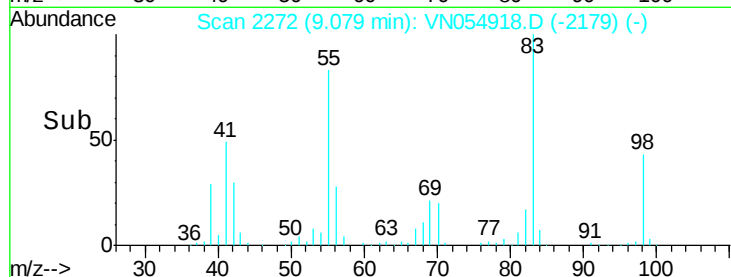
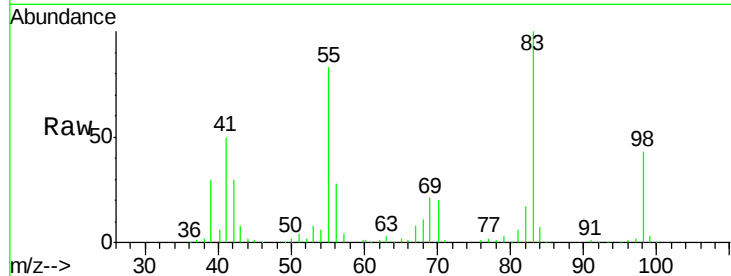
#39
Methvlcvclohexane
Concen: 20.032 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0403MBS01

Tot Ion	83.00	Resp	140632
Ion	Ratio	Lower	Upper
83	100		
55	82.7	56.6	84.8
98	43.1	38.4	57.6

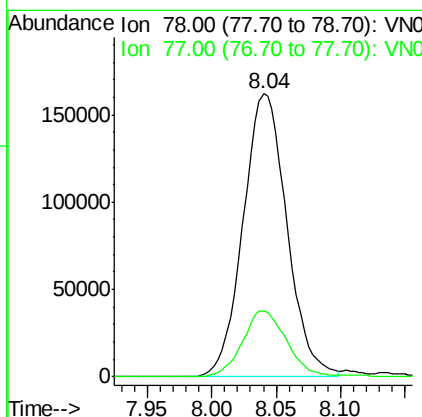
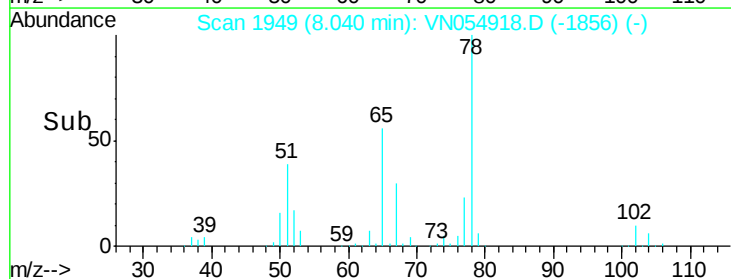
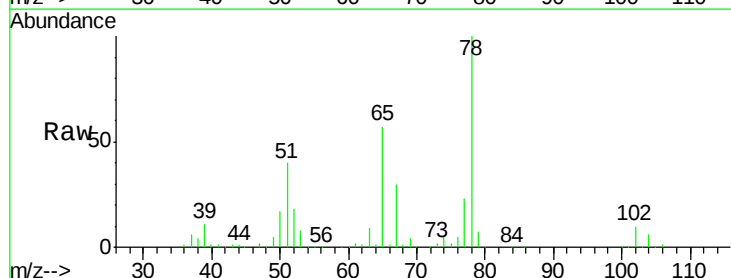
Manual Integrations
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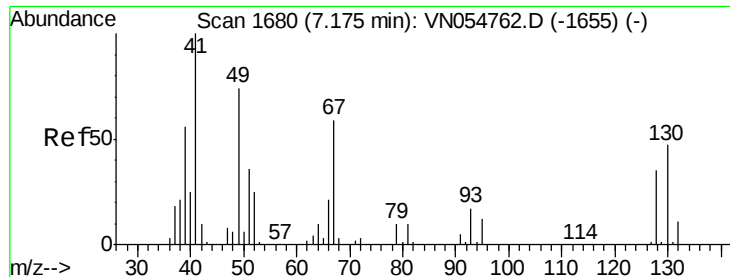
MMDadoda
4/4/2019 9:31:14 AM



#40
Benzene
Concen: 21.001 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion	78.00	Resp	383718
Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





#41

Methacrylonitrile

Concen: 24.635 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0403MBS01

Tot Ion: 41 Resp: 64804

Ion Ratio Lower Upper

41 100

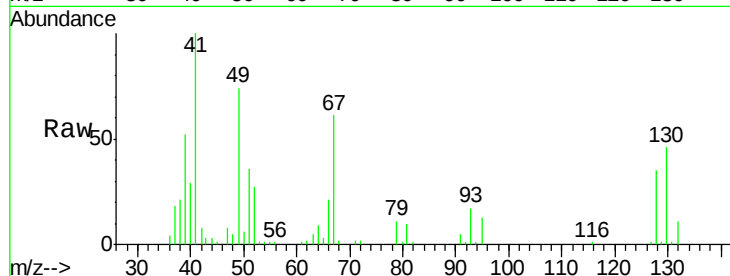
39 50.7 46.8 70.2

67 61.4 67.0 100.4#

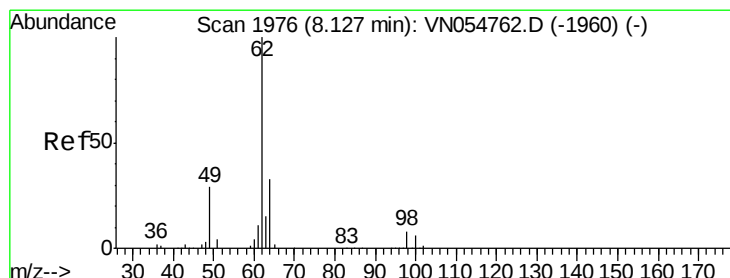
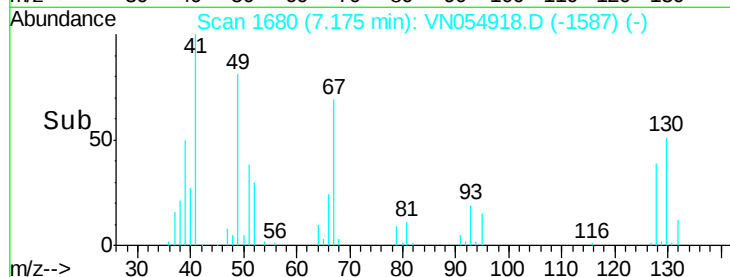
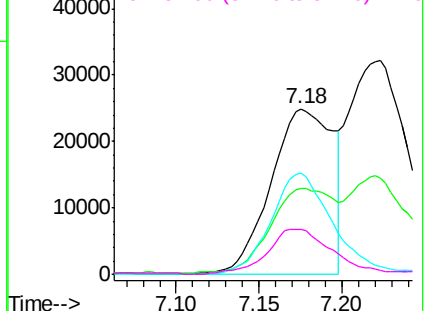
52 28.5 26.5 39.7

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 21.183 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN054918.D

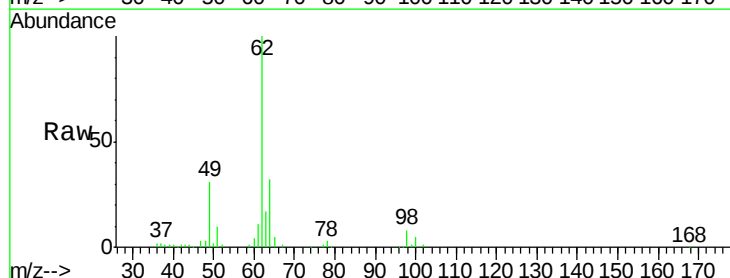
Acq: 3 Apr 2019 11:37

Tgt Ion: 62 Resp: 138201

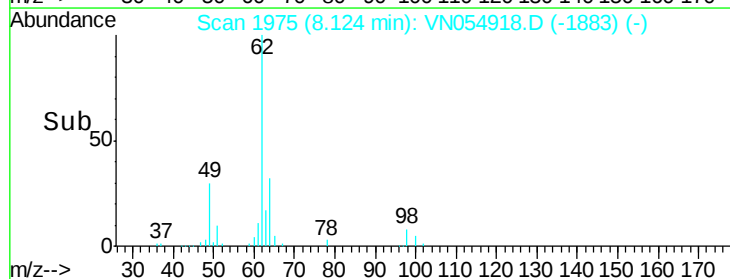
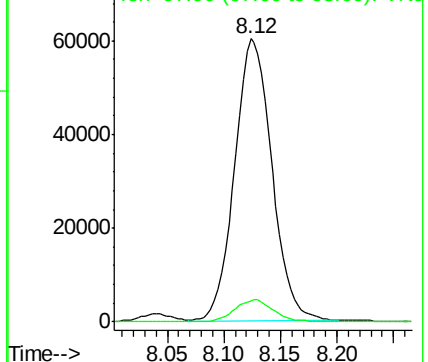
Ion Ratio Lower Upper

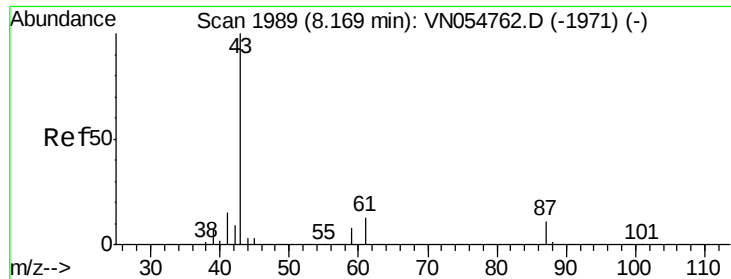
62 100

98 8.1 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 21.801 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

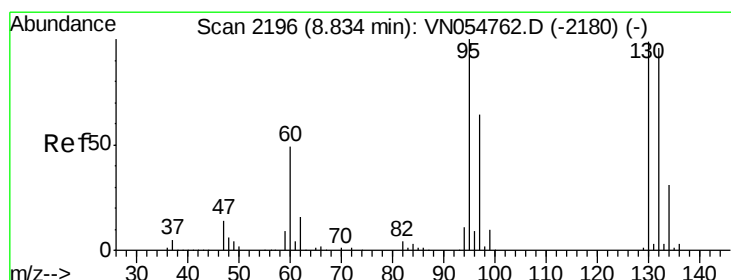
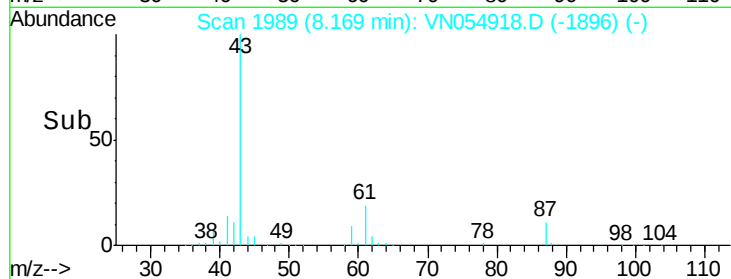
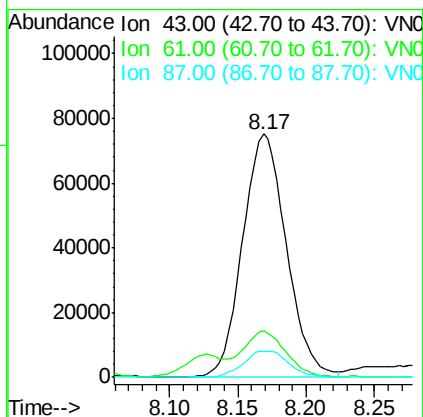
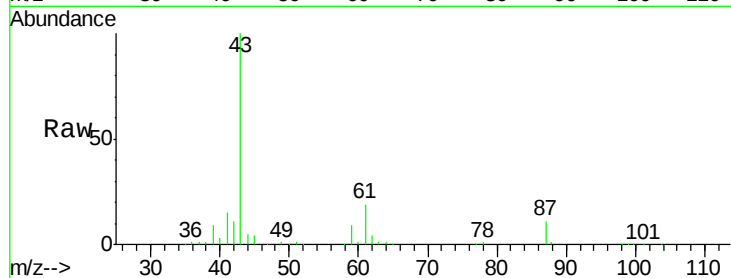
ClientSampleId :

VN0403MBS01

Tot Ion:	43	Resp:	165876
Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.8	23.8
87	11.2	12.0	18.0#

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#44

Trichloroethene

Concen: 20.702 ug/l

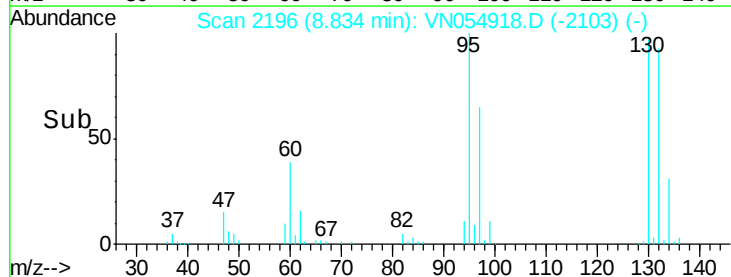
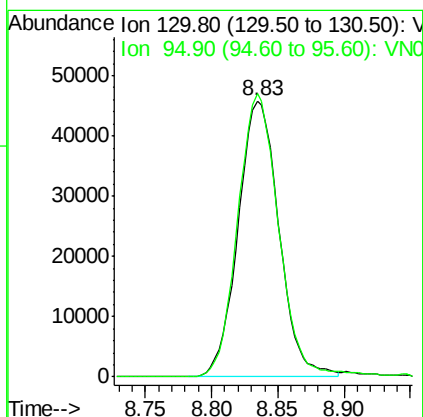
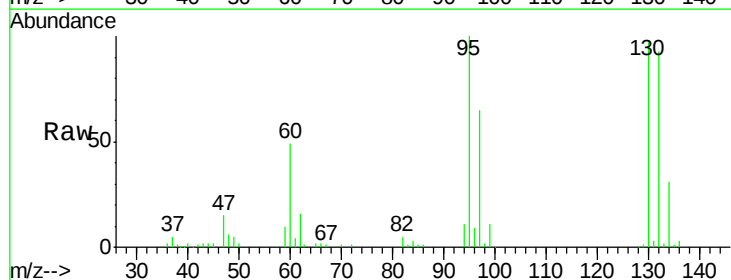
RT: 8.83 min Scan# 2196

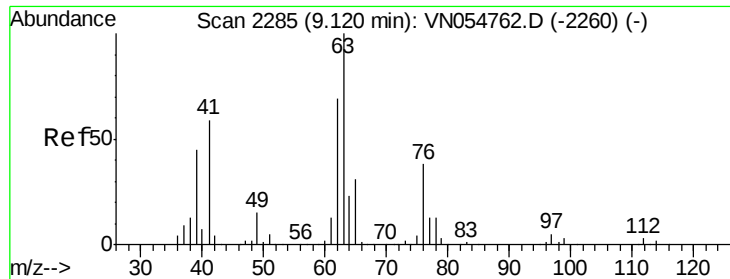
Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Tgt Ion:	130	Resp:	98190
Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	185.2





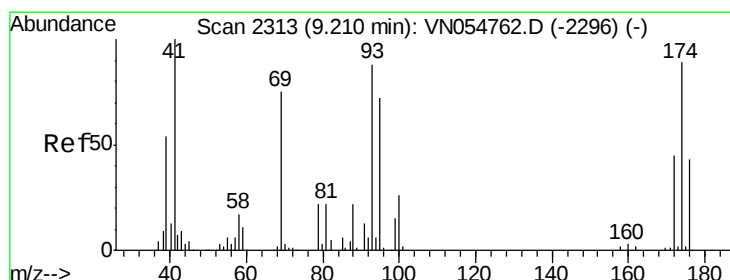
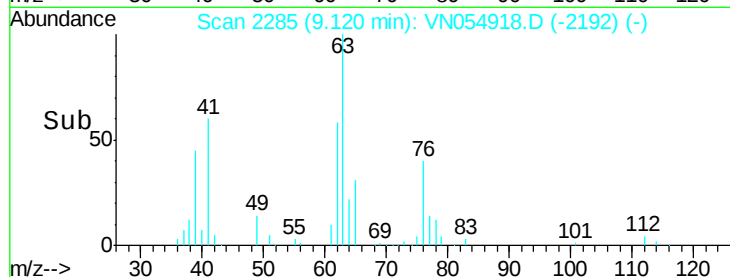
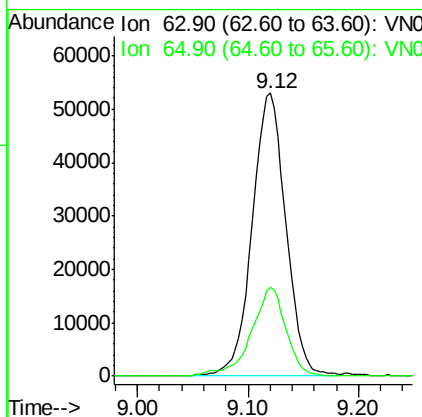
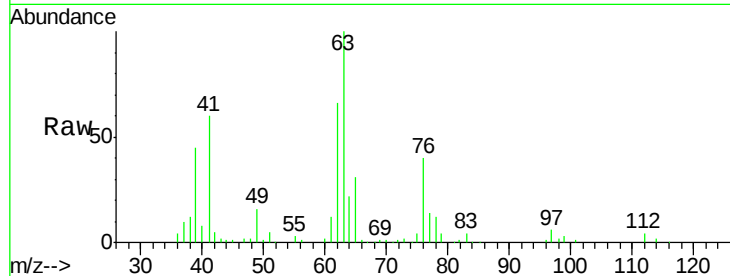
#45
 1,2-Dichloropropane
 Concen: 21.550 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403MBS01

Tot Ion: 63 Resp: 112277
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.6

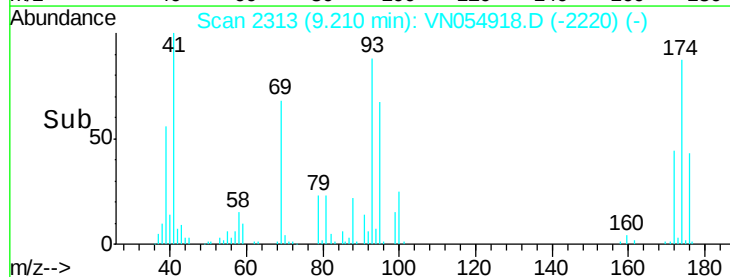
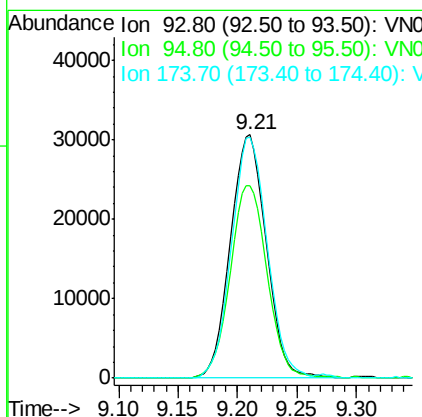
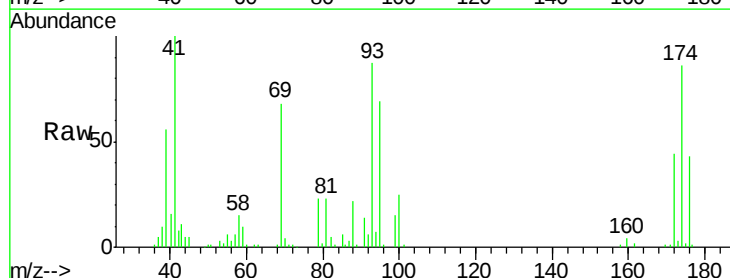
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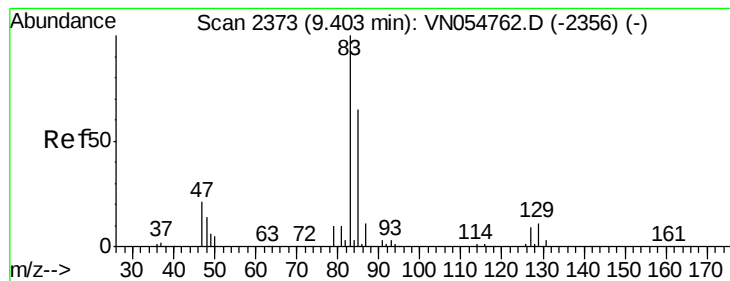
MMDadoda
 4/4/2019 9:31:14 AM



#46
 Dibromomethane
 Concen: 21.868 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Tgt Ion: 93 Resp: 64091
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.7 100.1
 174 98.6 98.5 147.7





#47

Bromodichloromethane

Concen: 21.594 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

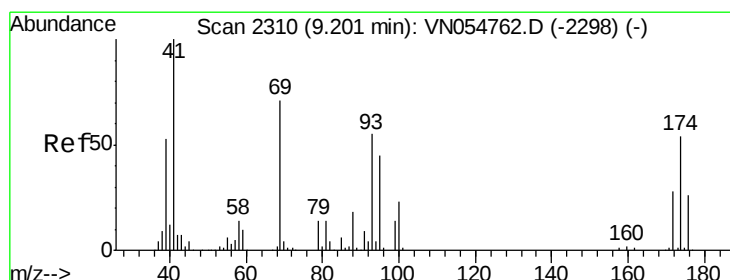
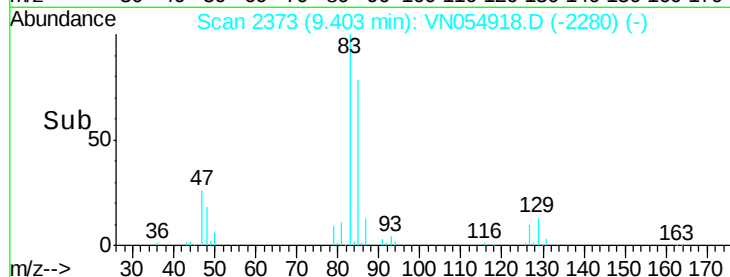
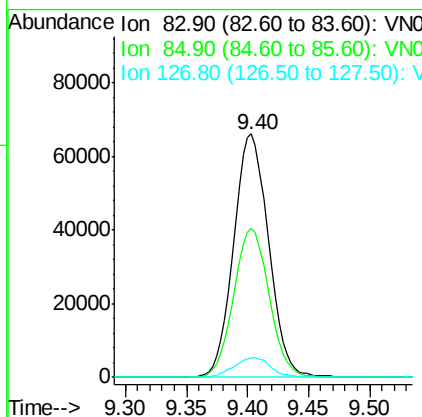
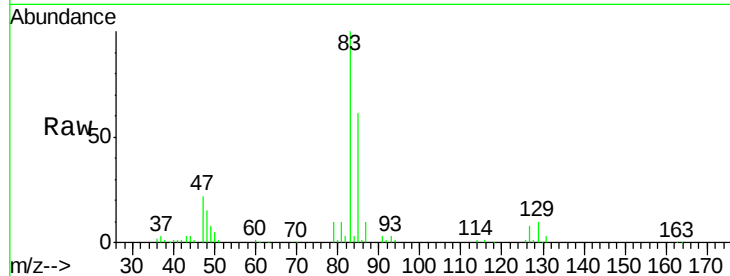
ClientSampleId :

VN0403MBS01

Tot Ion:	83	Resp:	131534
Ion Ratio	Lower	Upper	
83	100		
85	61.2	52.8	79.2
127	8.2	7.4	11.2

Manual Integrations
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MMDadoda
4/4/2019 9:31:14 AM



#48

Methyl methacrylate

Concen: 20.455 ug/l

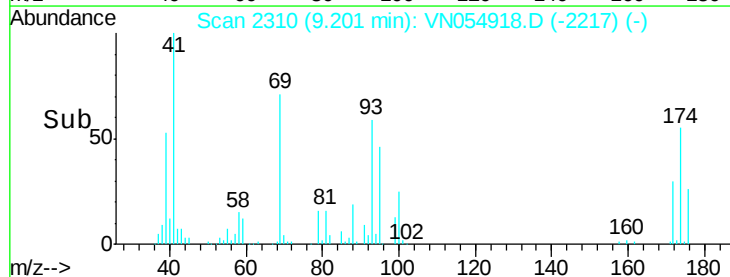
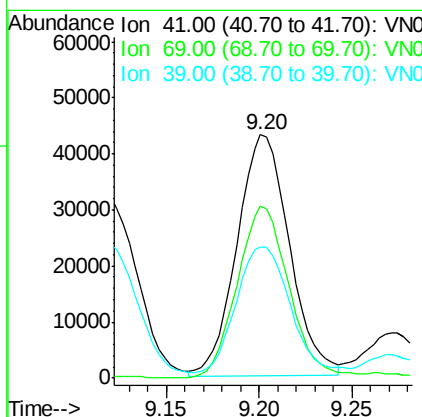
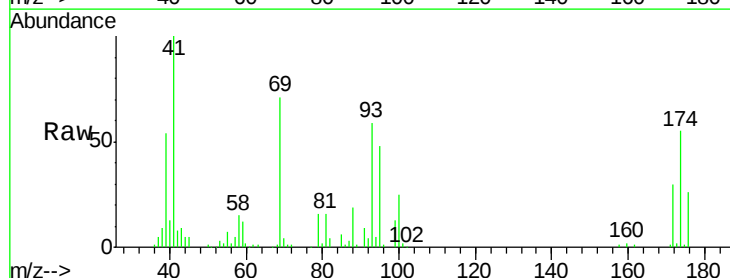
RT: 9.20 min Scan# 2310

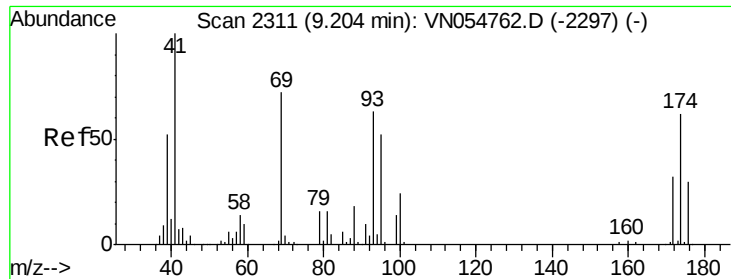
Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Tgt Ion:	41	Resp:	84369
Ion Ratio	Lower	Upper	
41	100		
69	70.7	72.6	108.8#
39	56.2	47.5	71.3





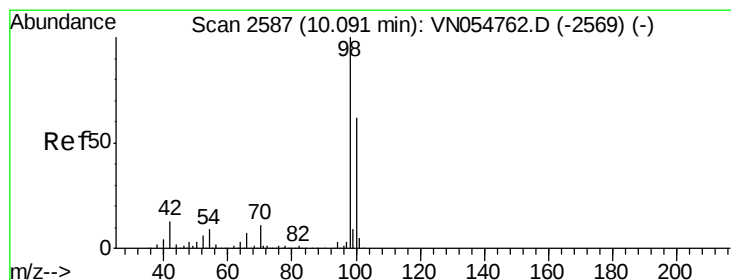
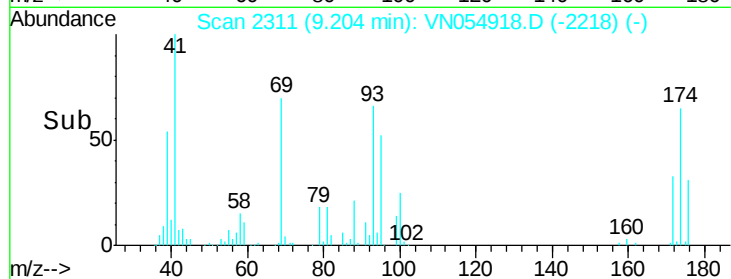
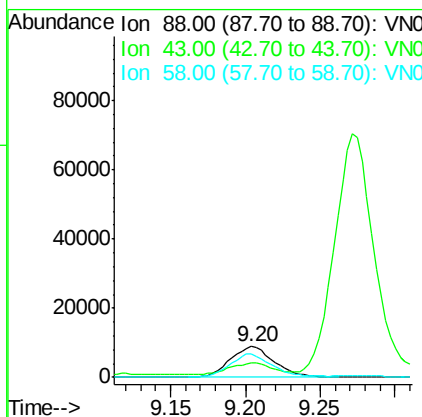
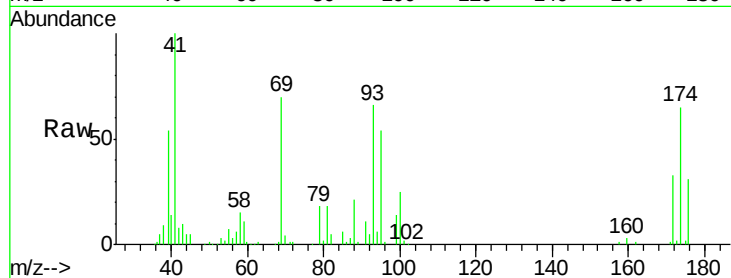
#49
1,4-Dioxane
Concen: 447.359 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0403MBS01

Tot Ion	88	Resp	18308
Ion Ratio	Lower	Upper	
88	100		
43	38.3	24.1	36.1#
58	73.5	50.8	76.2

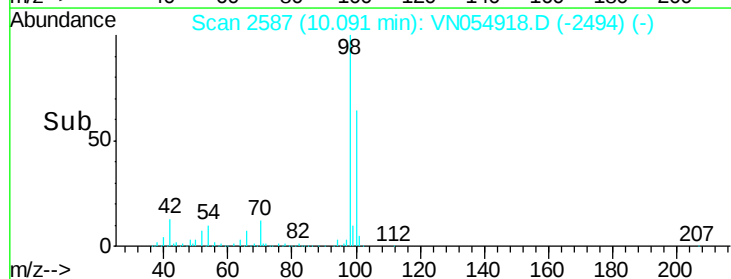
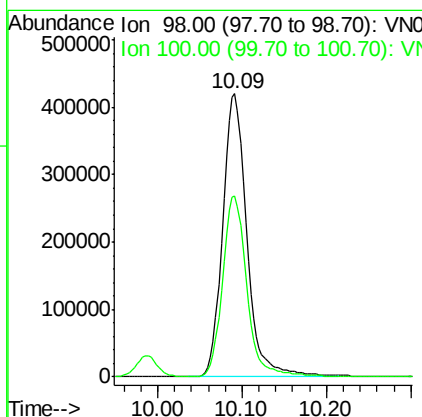
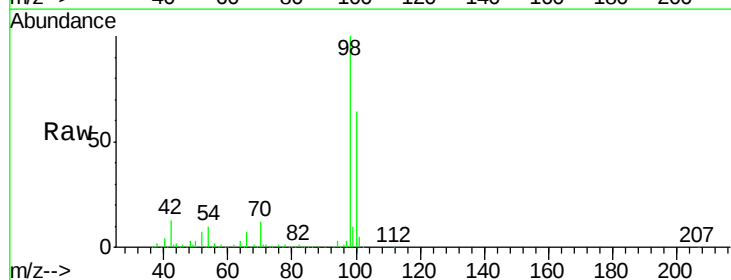
Manual Integrations
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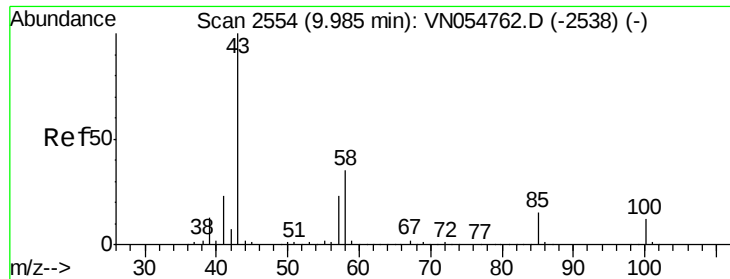
MMDadoda
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#50
Toluene-d8
Concen: 49.412 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion	98	Resp	839297
Ion Ratio	Lower	Upper	
98	100		
100	63.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 113.194 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0403MBS01

Tot Ion: 43 Resp: 484227

Ion Ratio Lower Upper

43 100

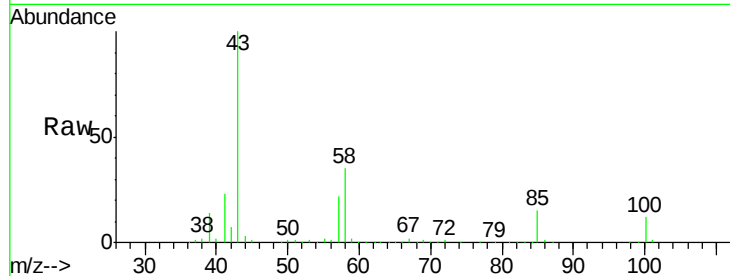
58 34.7 31.8 47.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

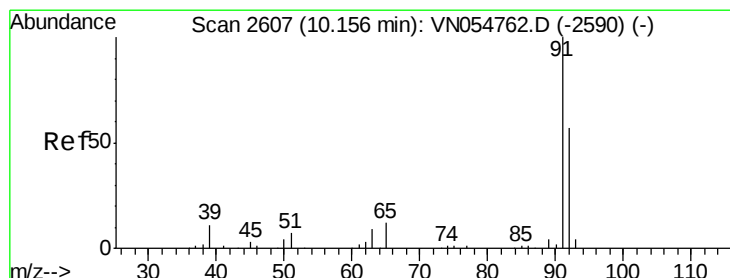
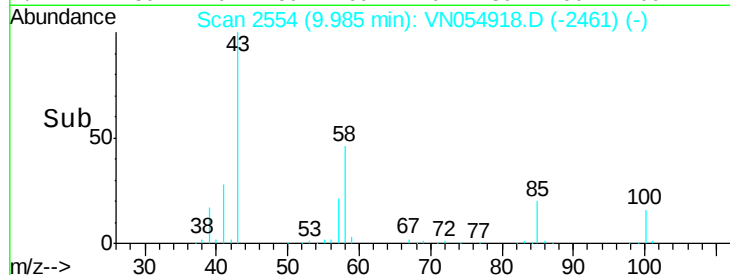
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.413 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054918.D

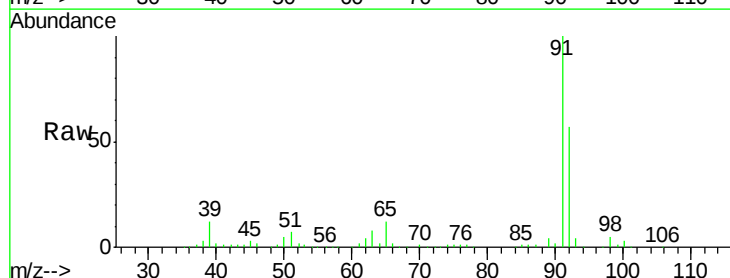
Acq: 3 Apr 2019 11:37

Tgt Ion: 92 Resp: 232812

Ion Ratio Lower Upper

92 100

91 175.5 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

200000

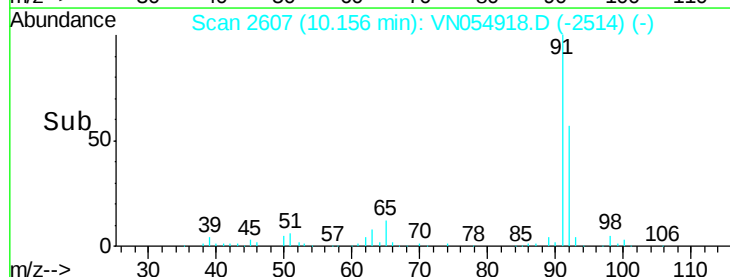
150000

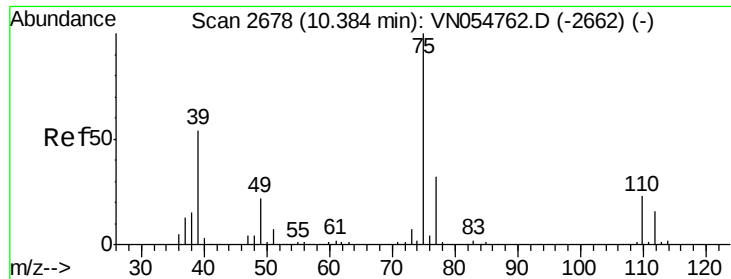
100000

50000

0

Time-->





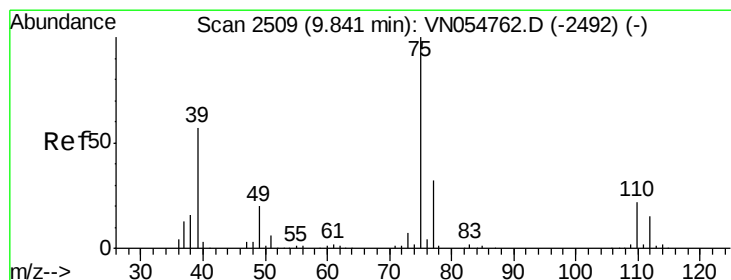
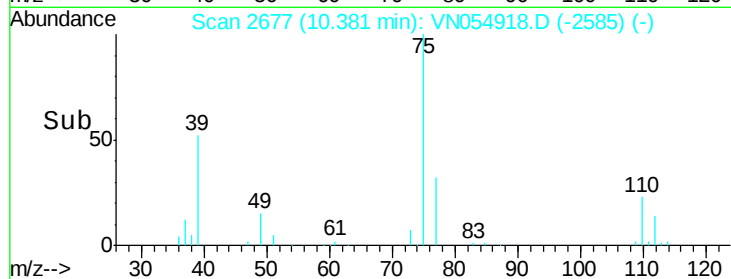
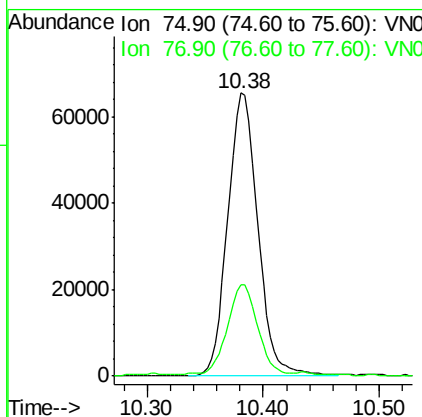
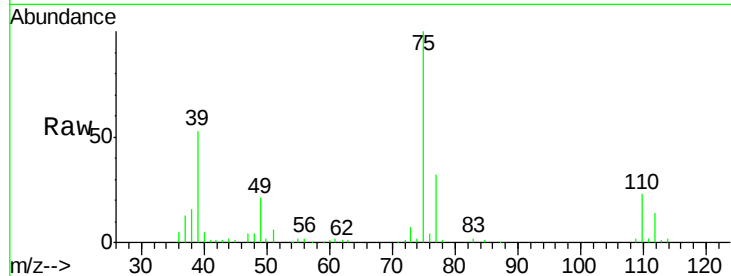
#53
t-1,3-Dichloropropene
Concen: 20.575 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0403MBS01

Tot Ion: 75 Resp: 117888
Ion Ratio Lower Upper
75 100
77 31.8 25.8 38.8

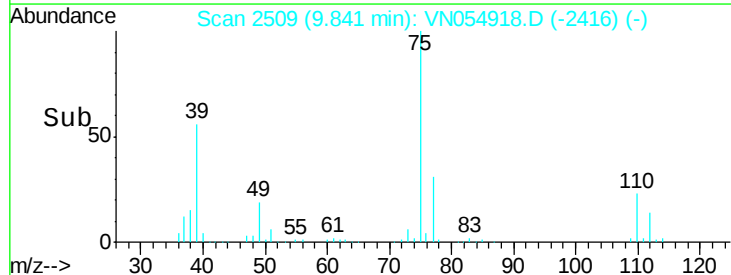
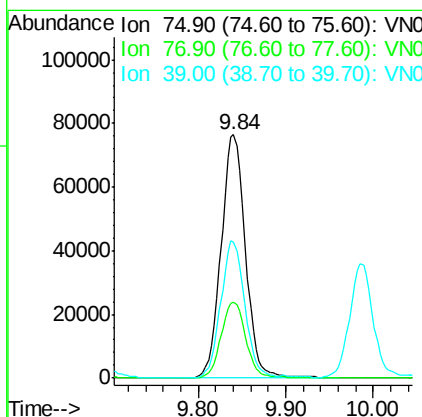
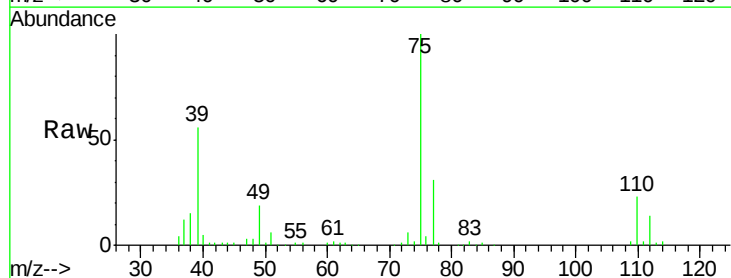
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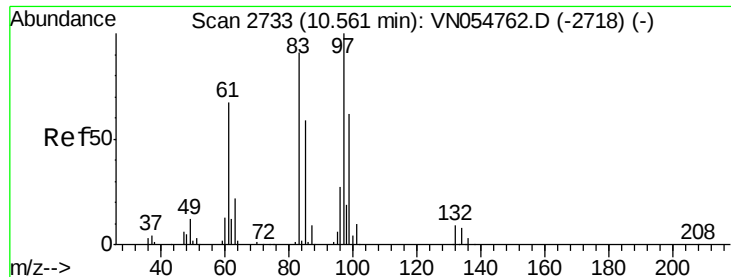
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.634 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion: 75 Resp: 148072
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.0
39 55.7 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 22.102 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

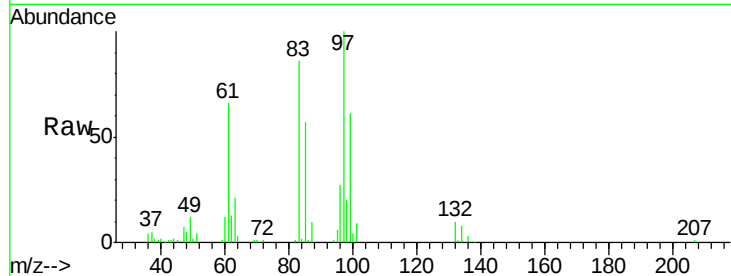
ClientSampleId :

VN0403MBS01

Tot Ion:	97	Resp:	89353
Ion	Ratio	Lower	Upper
97	100		
83	86.1	66.6	100.0
85	57.0	44.4	66.6
99	60.8	50.8	76.2

Manual Integrations
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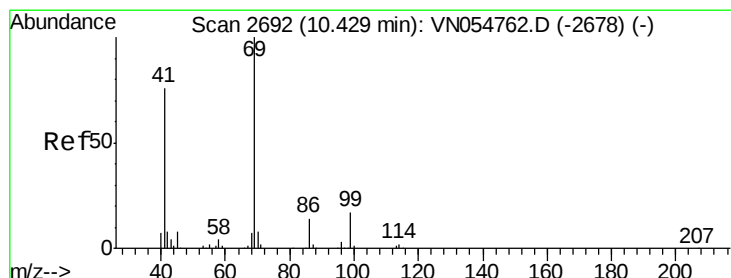
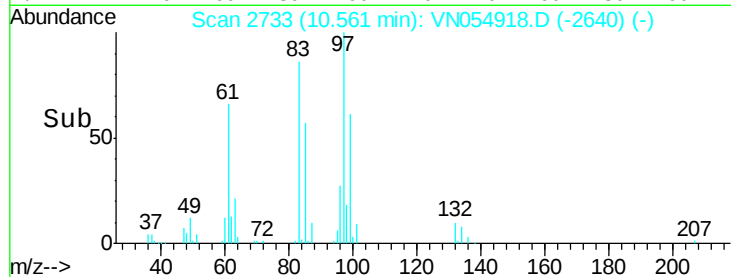
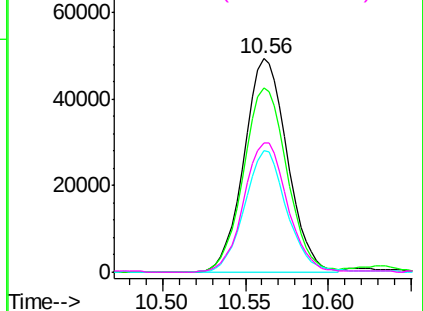


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.145 ug/l

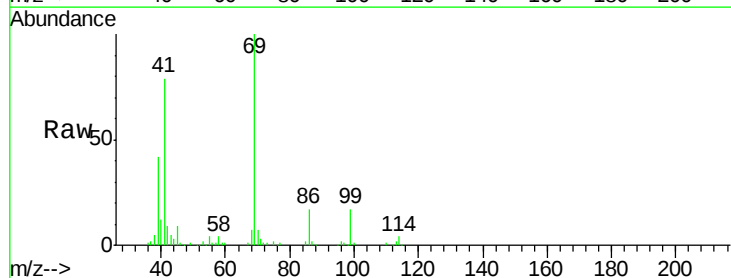
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

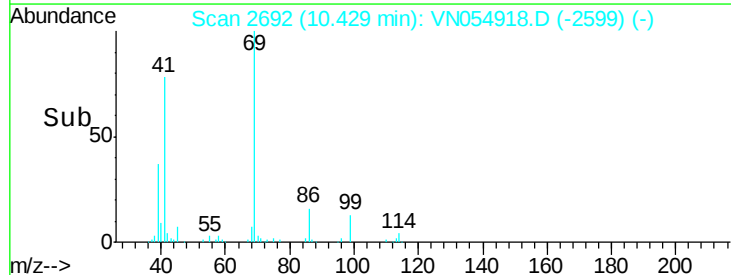
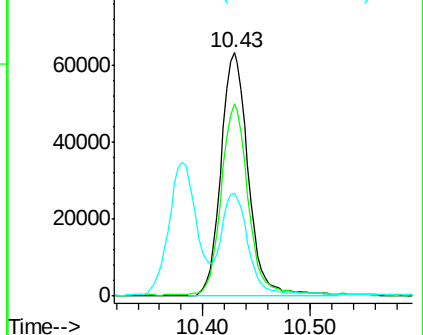
Tgt Ion:	69	Resp:	112140
Ion	Ratio	Lower	Upper
69	100		
41	76.7	49.4	74.2#
39	39.7	28.3	42.5

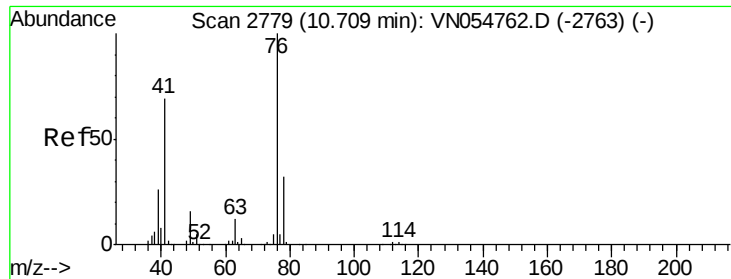


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.726 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0403MBS01

Tot Ion: 76 Resp: 151007

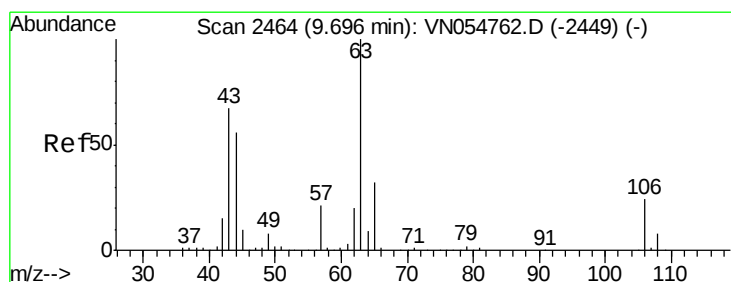
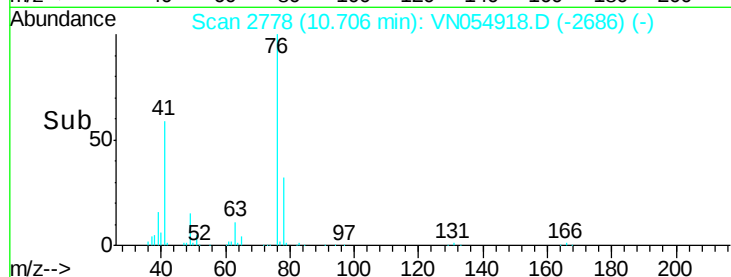
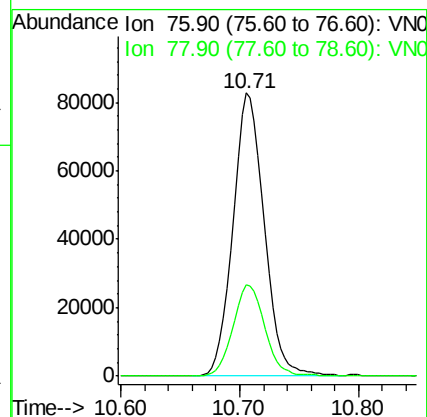
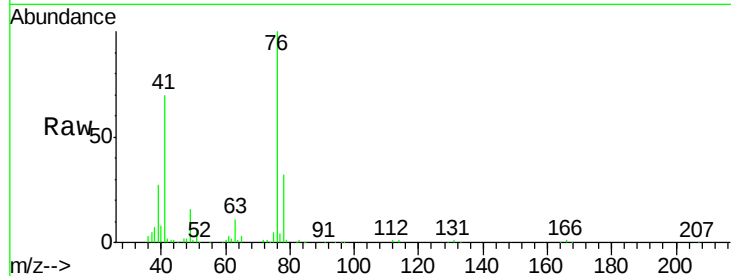
Ion Ratio Lower Upper

76 100

78 32.9 25.7 38.5

Manual Integrations
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4/4/2019 9:31:14 AM



#58

2-Chloroethyl Vinyl ether

Concen: 101.958 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054918.D

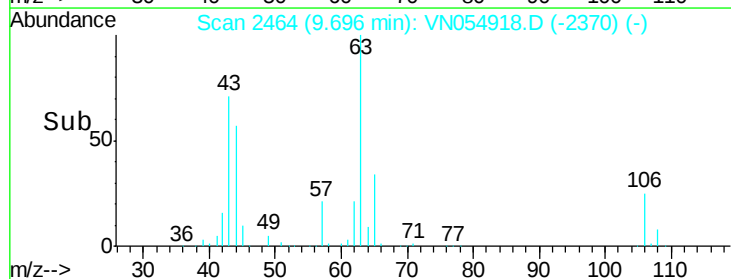
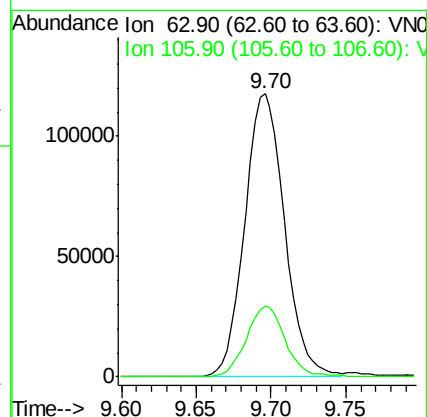
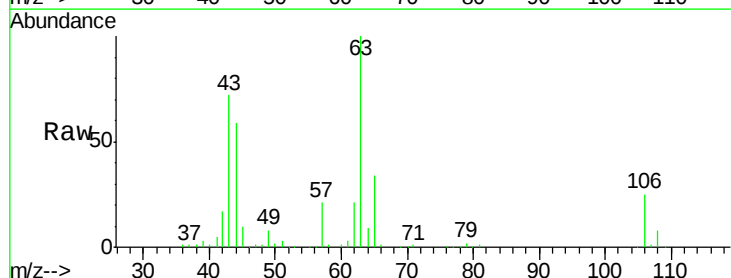
Acq: 3 Apr 2019 11:37

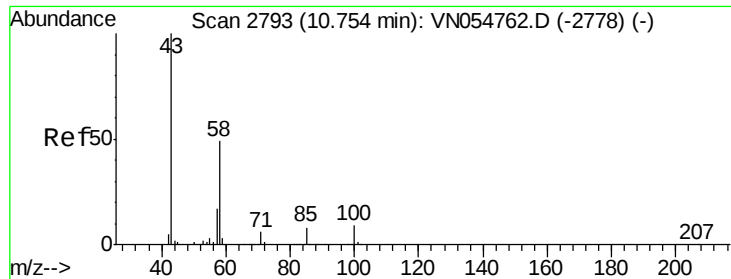
Tgt Ion: 63 Resp: 218304

Ion Ratio Lower Upper

63 100

106 24.5 24.4 36.6





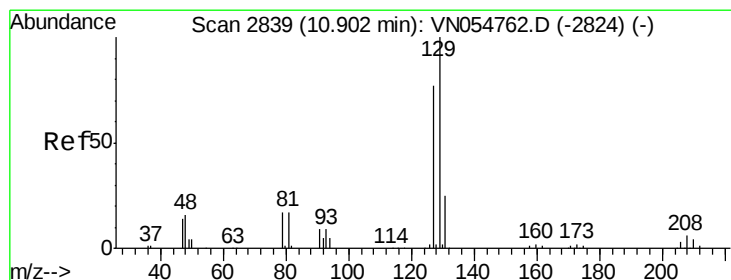
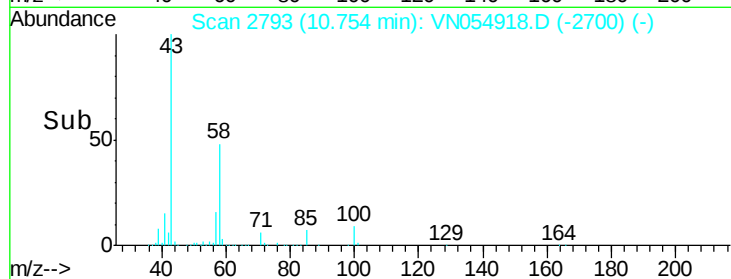
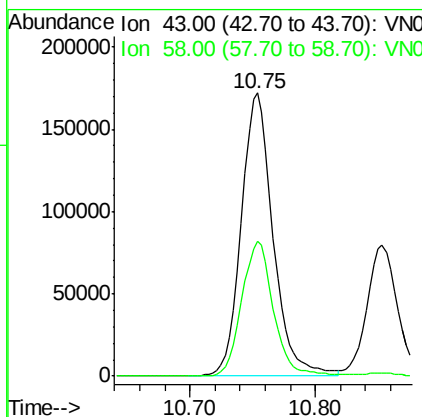
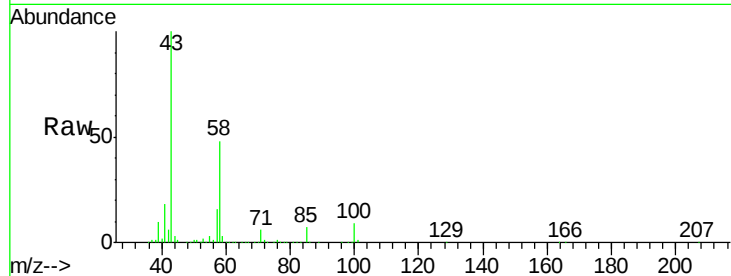
#59
2-Hexanone
Concen: 109.900 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0403MBS01

Tot Ion	43	Resp	300962
Ion Ratio	43	100	
Lower	58	48.3	28.0
Upper			83.9

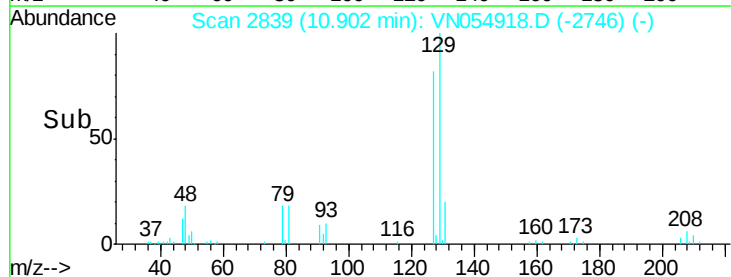
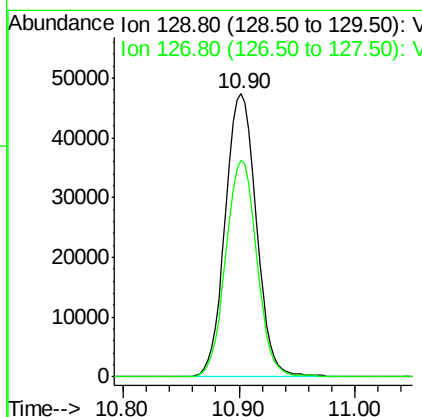
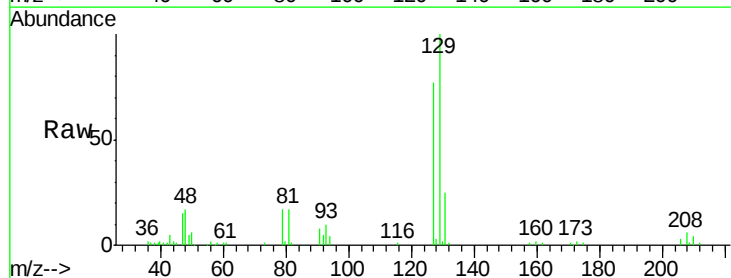
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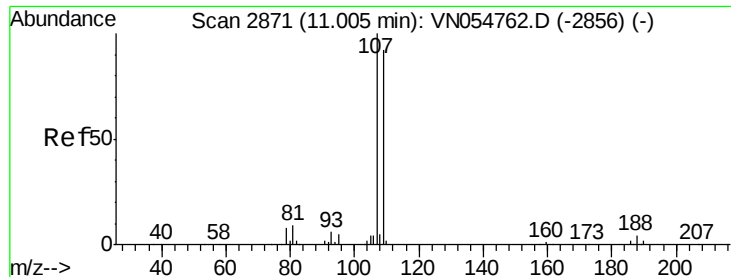
MMDadoda
4/4/2019 9:31:14 AM



#60
Dibromochloromethane
Concen: 21.460 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion	129	Resp	87885
Ion Ratio	129	100	
Lower	127	76.1	38.6
Upper			115.8





#61

1,2-Dibromoethane

Concen: 21.670 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0403MBS01

Tot Ion:107 Resp: 83721

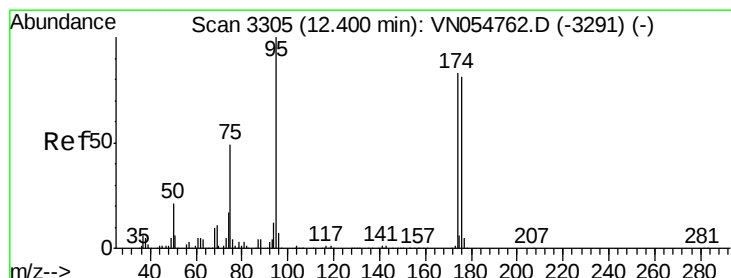
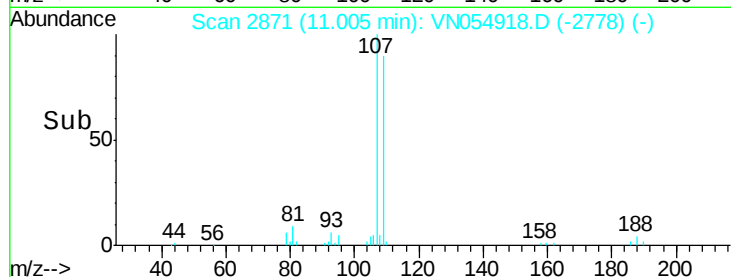
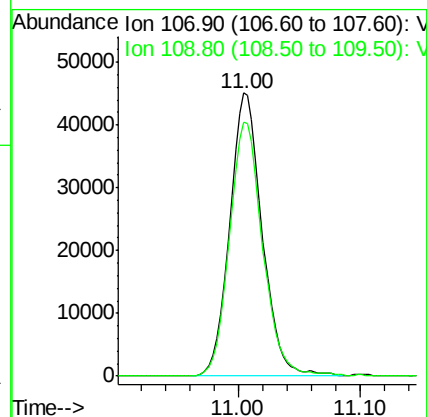
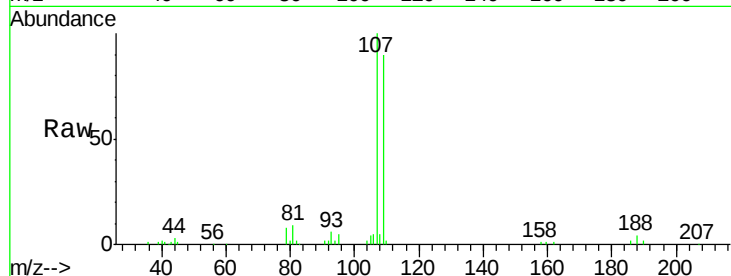
Ion Ratio Lower Upper

107 100

109 92.1 75.9 113.9

Manual Integrations
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MMDadoda
4/4/2019 9:31:14 AM



#62

4-Bromofluorobenzene

Concen: 48.688 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

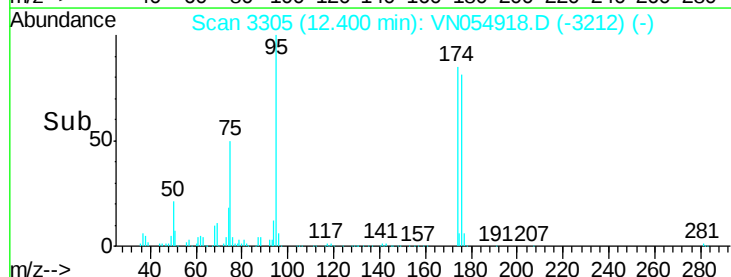
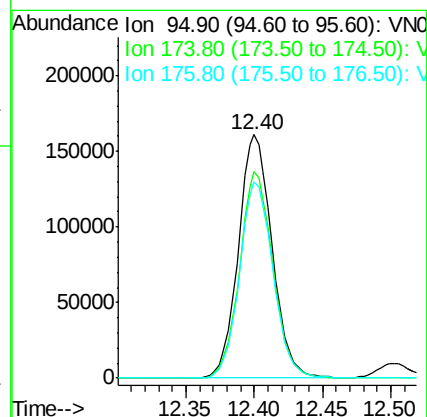
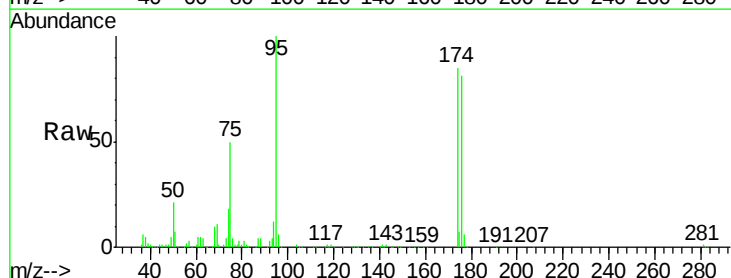
Tgt Ion: 95 Resp: 275042

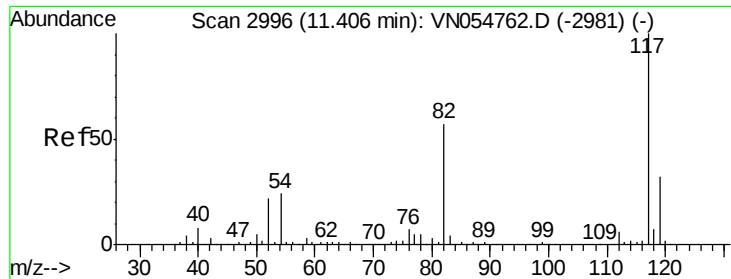
Ion Ratio Lower Upper

95 100

174 84.1 0.0 191.0

176 80.6 0.0 187.4





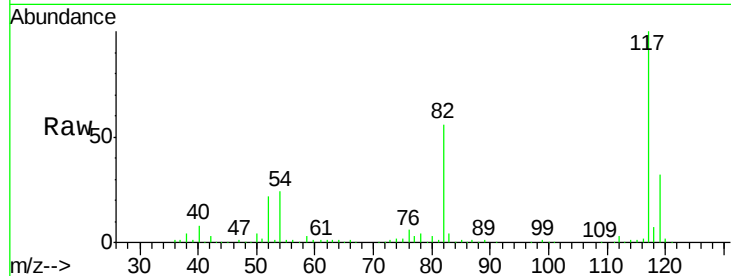
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0403MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	40.0	60.0
119	32.1	25.8	38.6

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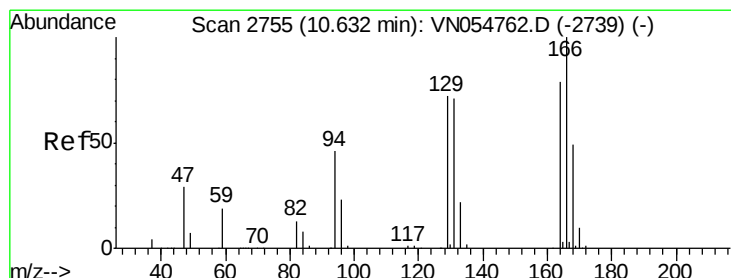
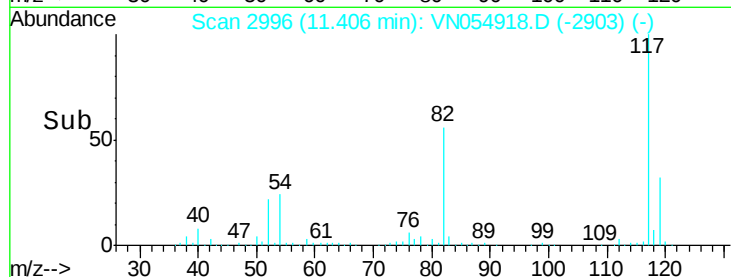
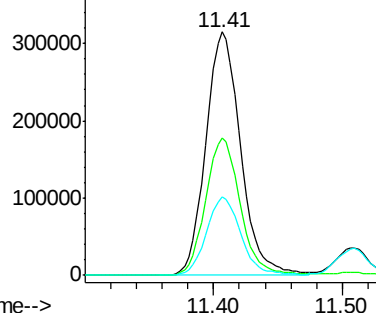


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.669 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	103.9	155.9
129	90.0	71.1	106.7
131	89.8	68.2	102.4

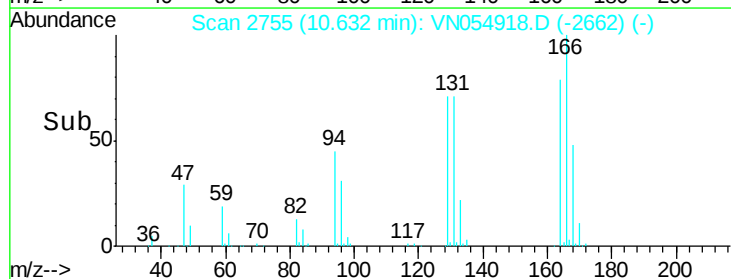
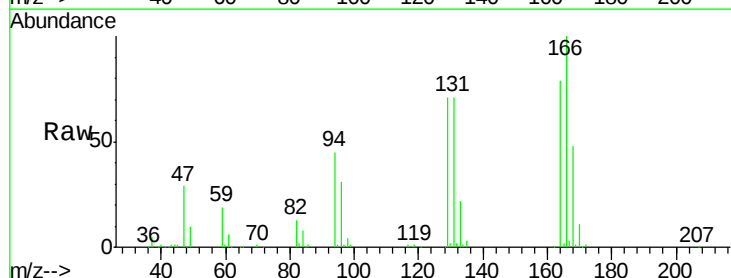
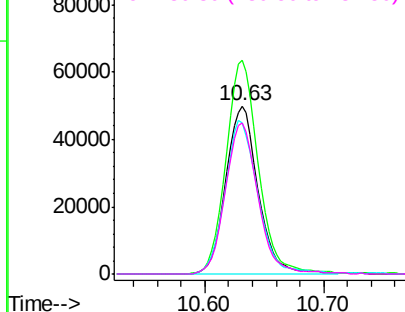
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.577 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

VN0403MBS01

Tot Ion:112 Resp: 238253

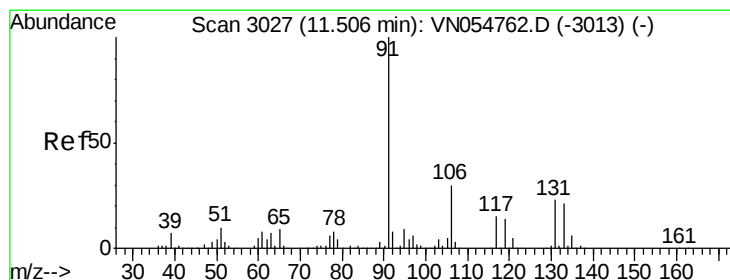
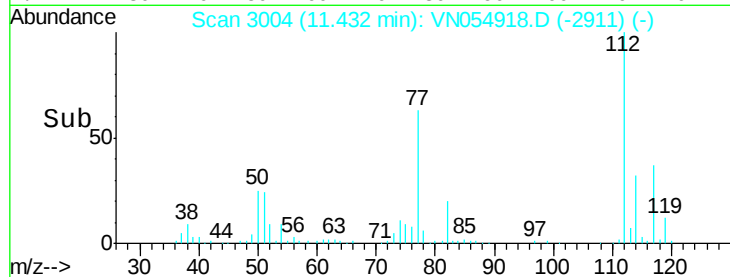
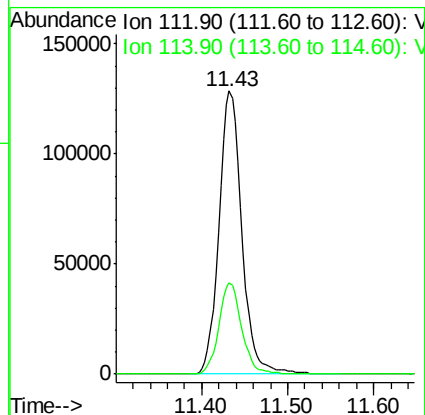
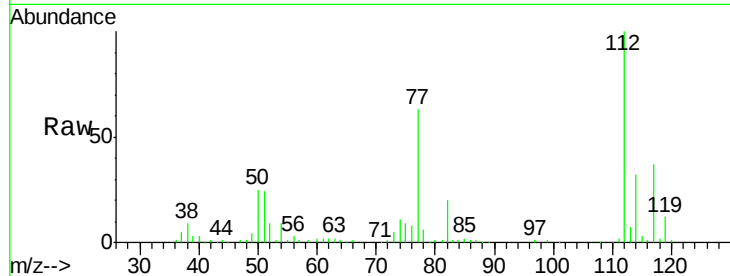
Ion Ratio Lower Upper

112 100

114 32.1 25.9 38.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.779 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

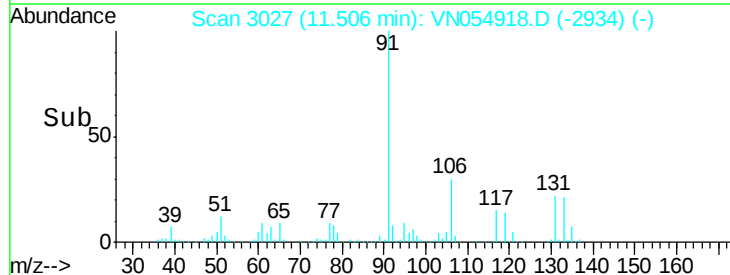
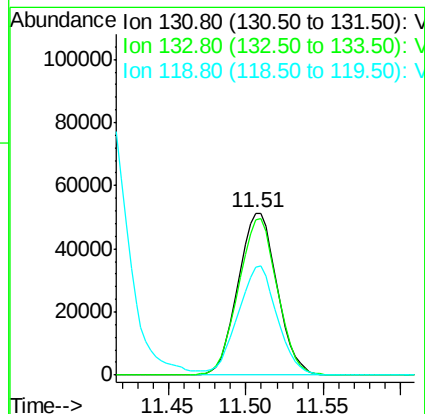
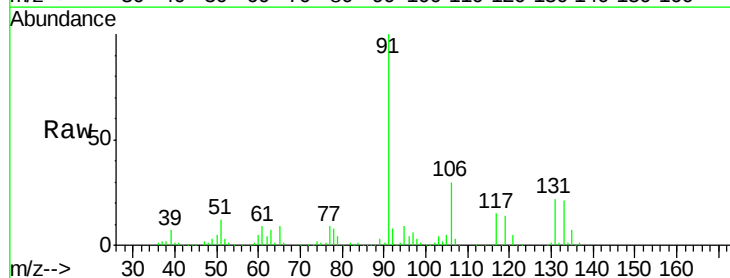
Tgt Ion:131 Resp: 90054

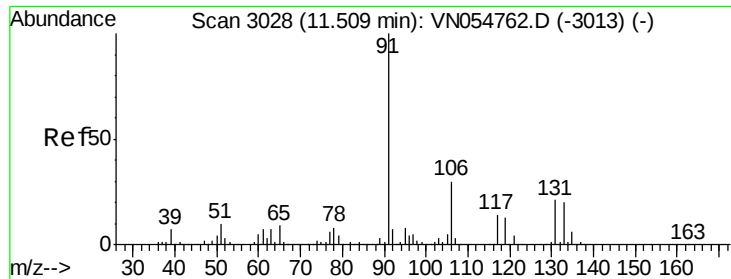
Ion Ratio Lower Upper

131 100

133 96.5 47.6 142.9

119 67.9 32.4 97.0





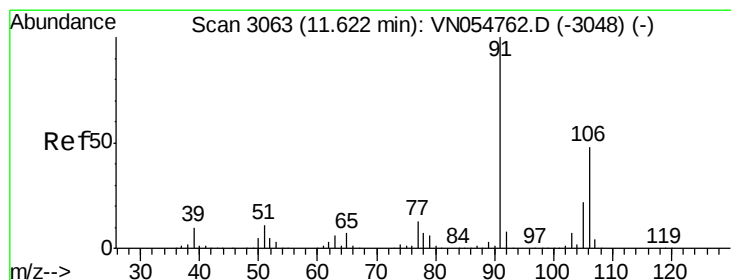
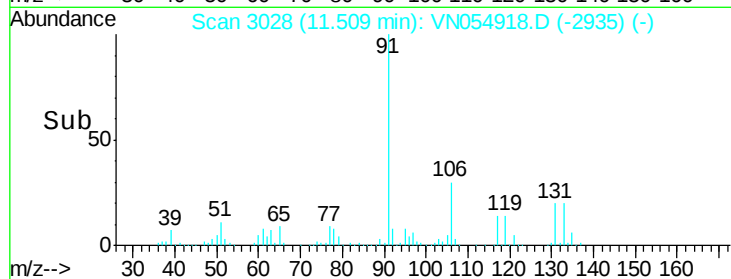
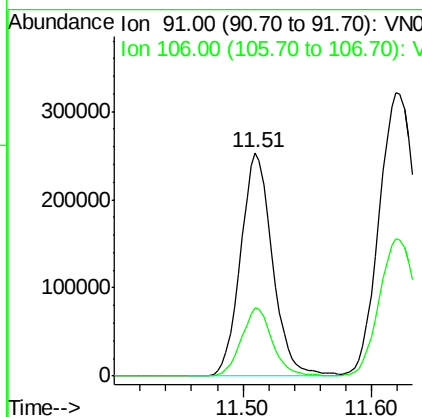
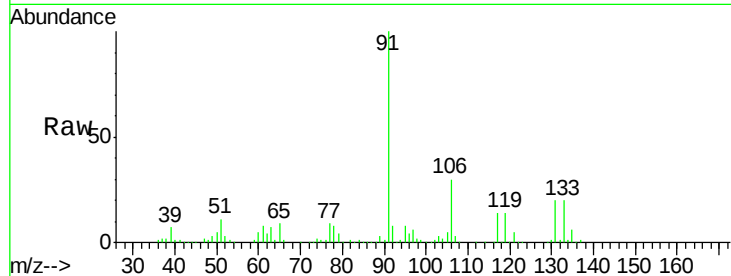
#67
Ethyl Benzene
Concen: 20.861 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0403MBS01

Tot Ion: 91 Resp: 435888
Ion Ratio Lower Upper
91 100
106 30.4 25.5 38.3

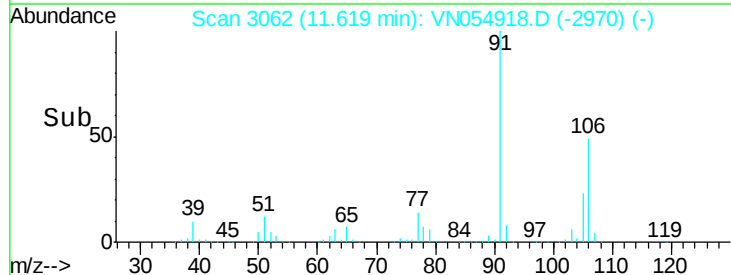
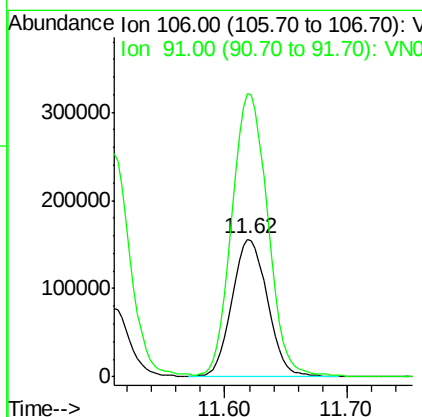
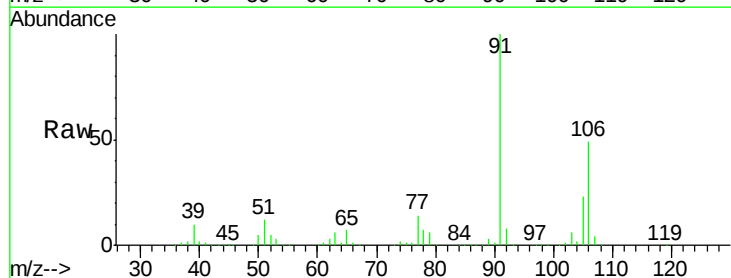
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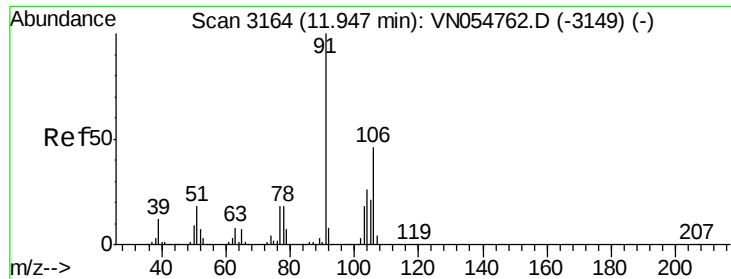
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#68
m/p-Xylenes
Concen: 40.579 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion: 106 Resp: 313766
Ion Ratio Lower Upper
106 100
91 210.3 159.4 239.2





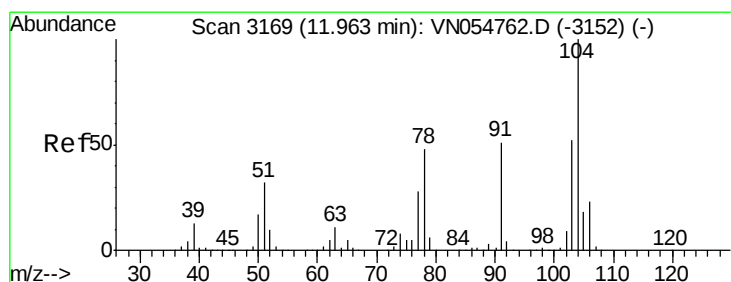
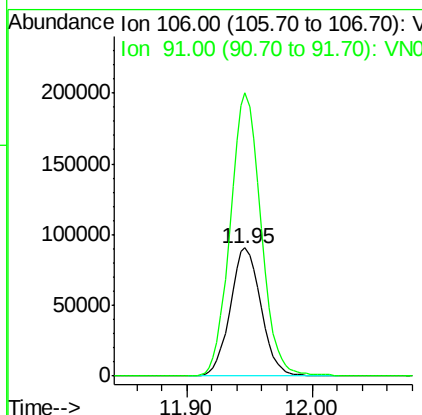
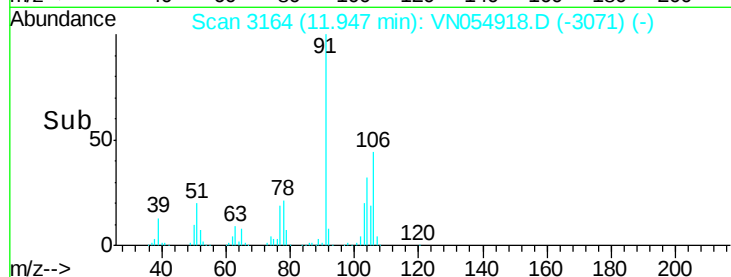
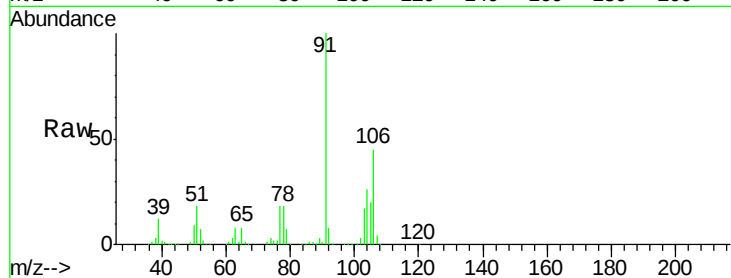
#69
o-Xylene
Concen: 20.417 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0403MBS01

Tot Ion:106 Resp: 154810
Ion Ratio Lower Upper
106 100
91 220.4 105.7 317.1

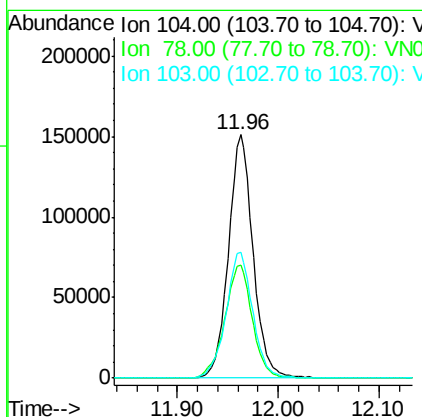
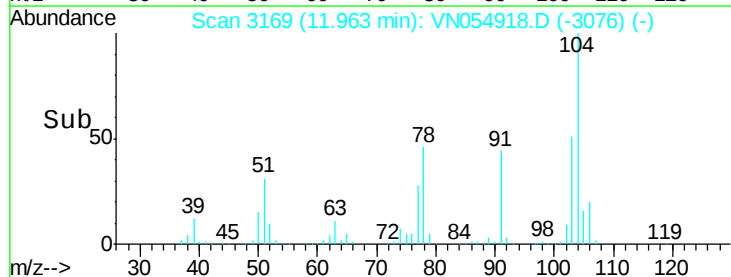
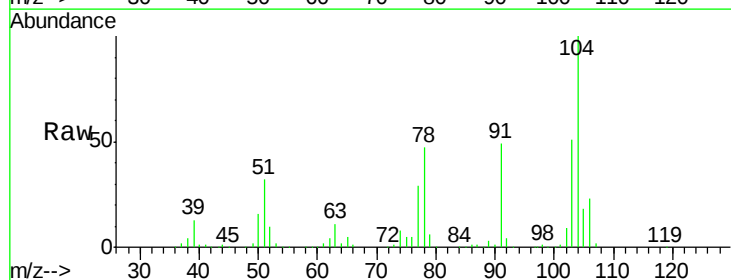
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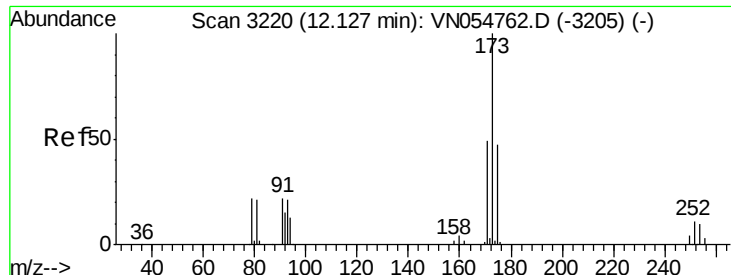
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#70
Styrene
Concen: 21.162 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion:104 Resp: 256556
Ion Ratio Lower Upper
104 100
78 52.2 38.2 57.2
103 56.3 44.4 66.6





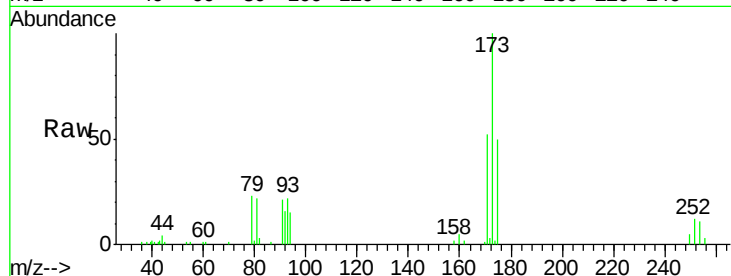
#71
Bromoform
Concen: 20.251 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0403MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.4	73.2
254	0.0	0.1	0.1#

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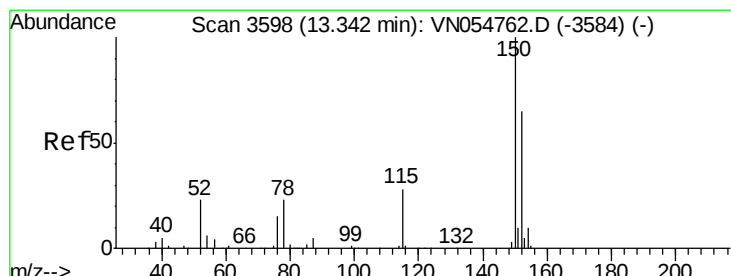
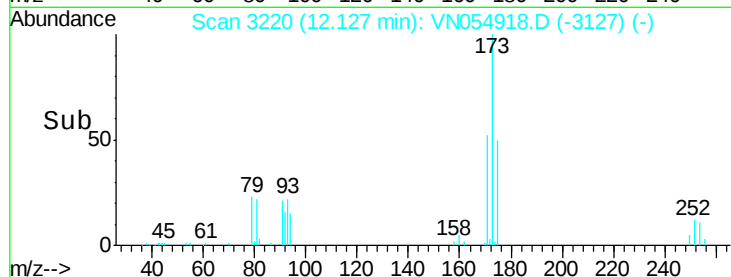
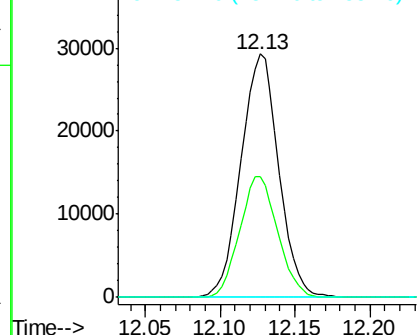


Abundance

Ion 172.70 (172.40 to 173.40): V

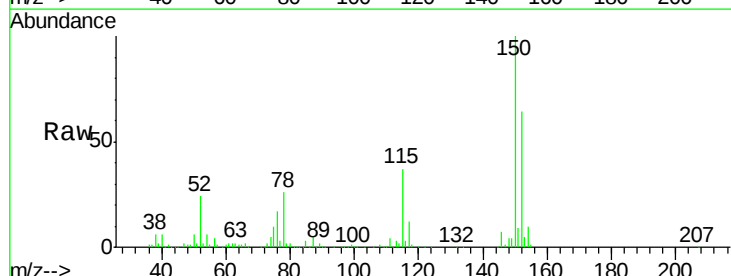
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	27.2	81.6
150	161.7	0.0	349.2

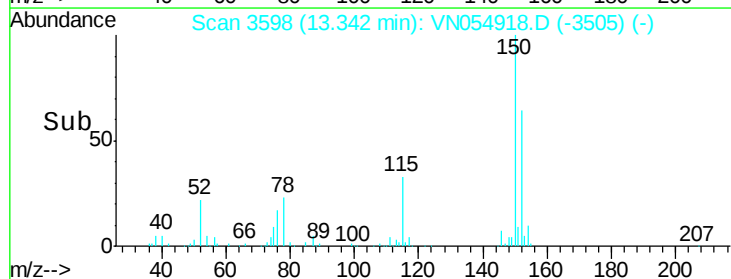
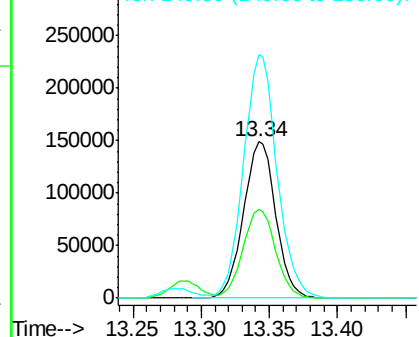


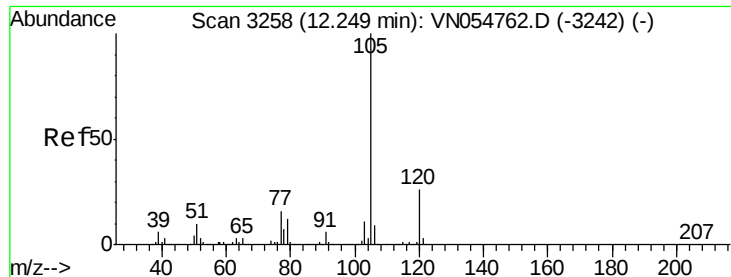
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





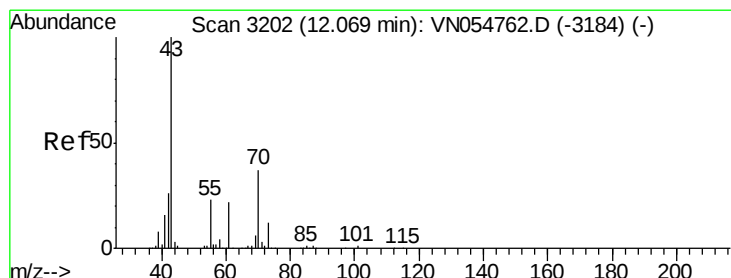
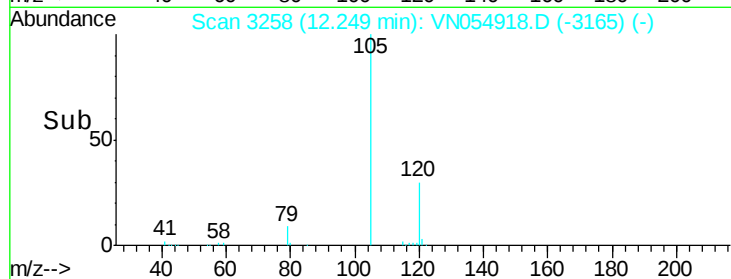
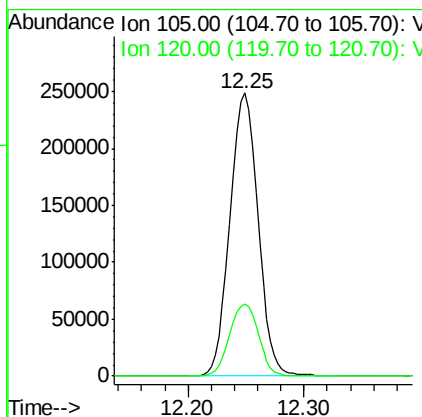
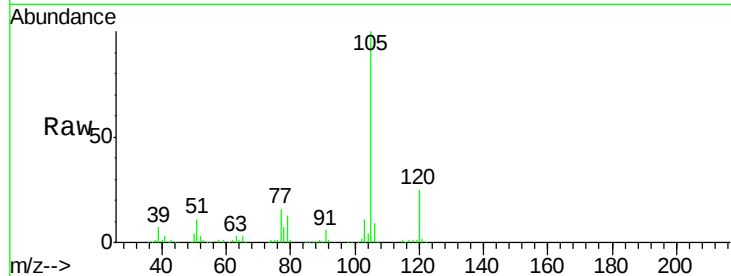
#73
Isopropylbenzene
Concen: 20.926 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0403MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.8	41.3

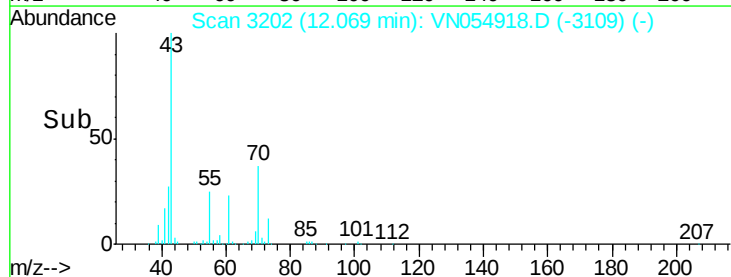
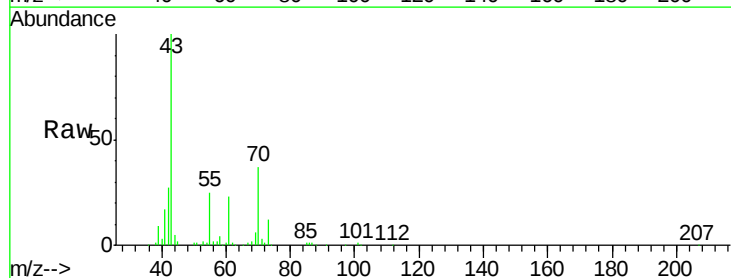
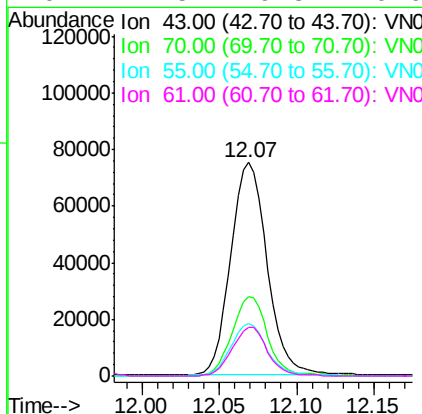
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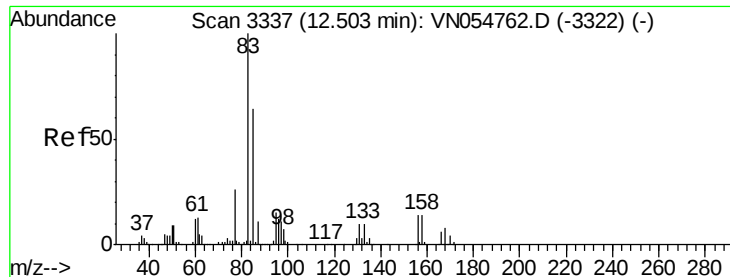
MMDadoda
4/4/2019 9:31:14 AM



#74
N-ethyl acetate
Concen: 19.811 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.4	35.4	53.0
55	24.9	19.8	29.6
61	22.5	19.8	29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.628 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

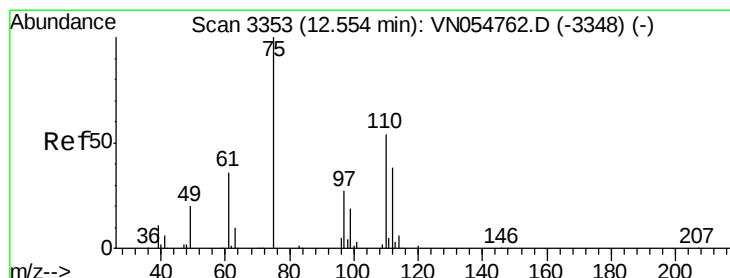
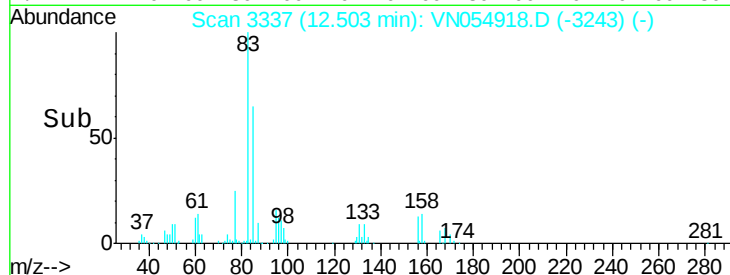
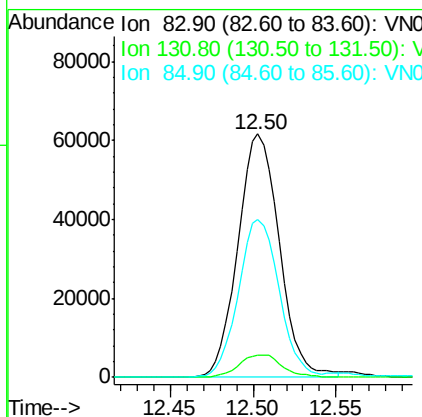
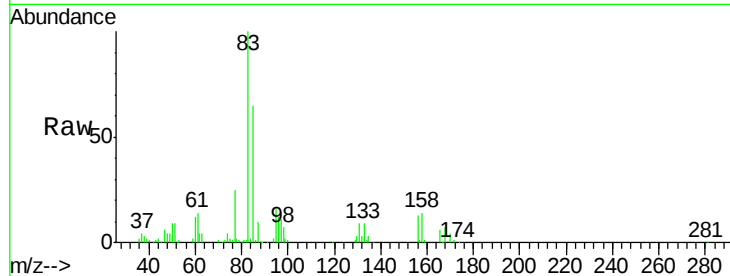
ClientSampleId :

VN0403MBS01

Tot Ion:	83	Resp:	107741
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.8	17.4
85	63.8	32.2	96.6

Manual Integrations
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4/4/2019 9:31:14 AM



#76

1,2,3-Trichloropropane

Concen: 21.810 ug/l m

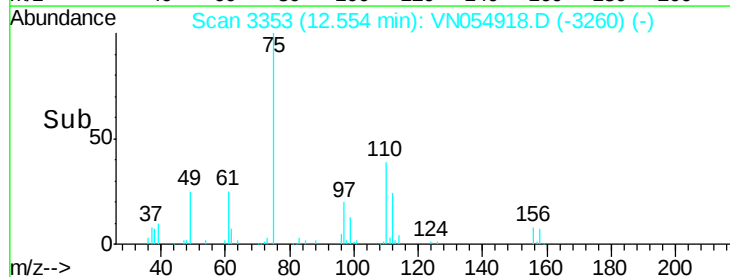
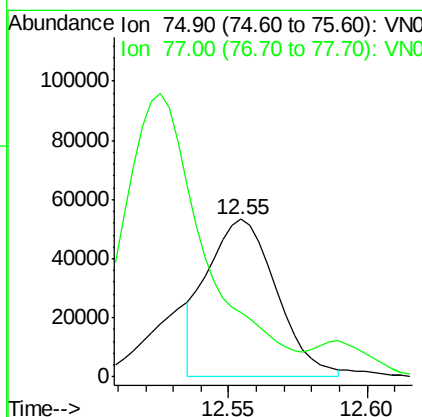
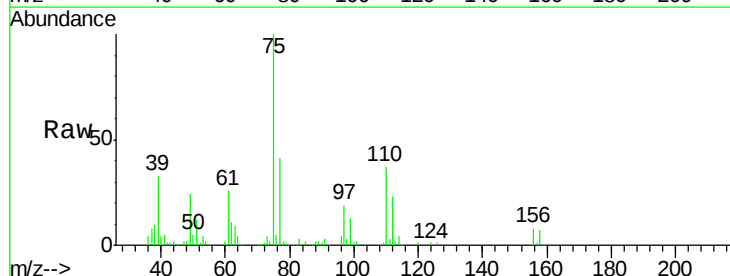
RT: 12.55 min Scan# 3353

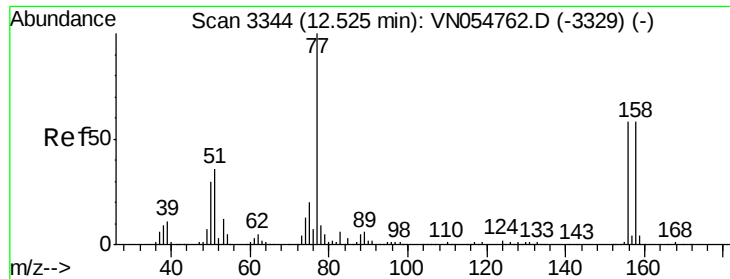
Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Tgt Ion:	75	Resp:	92352
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.236 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

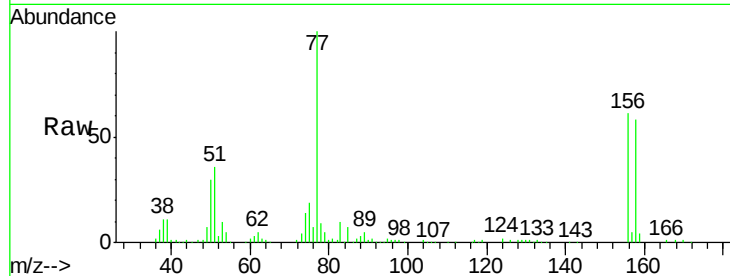
ClientSampleId :

VN0403MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.2	81.5	244.4
158	94.7	49.0	147.2

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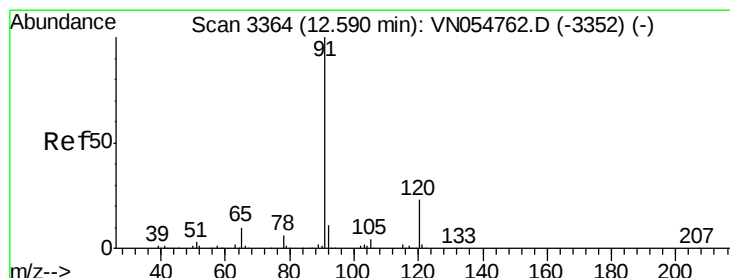
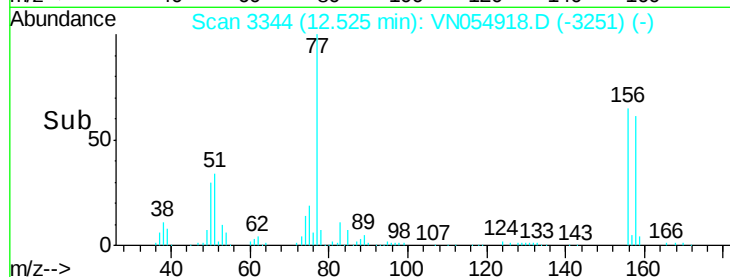
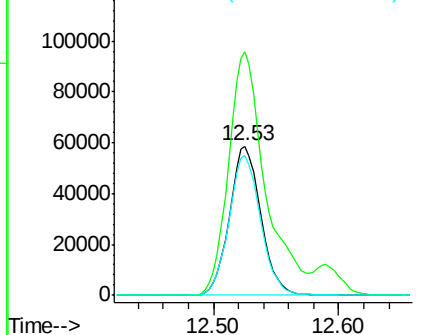
MMDadoda
4/4/2019 9:31:14 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.724 ug/l

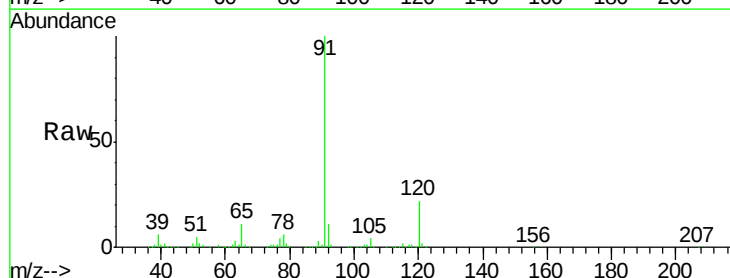
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054918.D

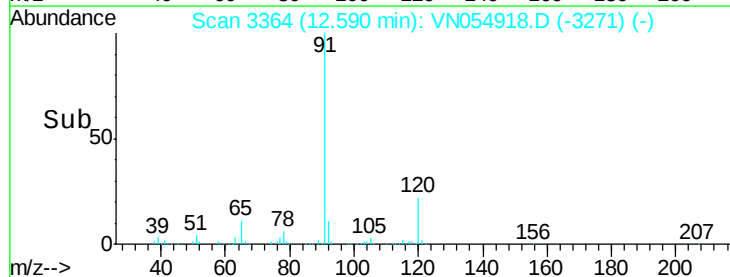
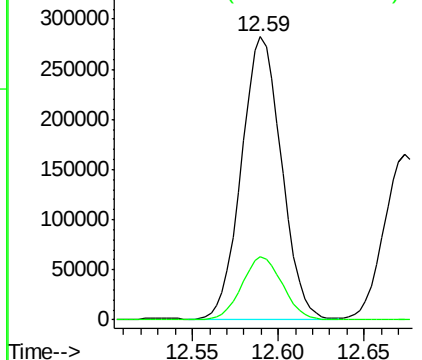
Acq: 3 Apr 2019 11:37

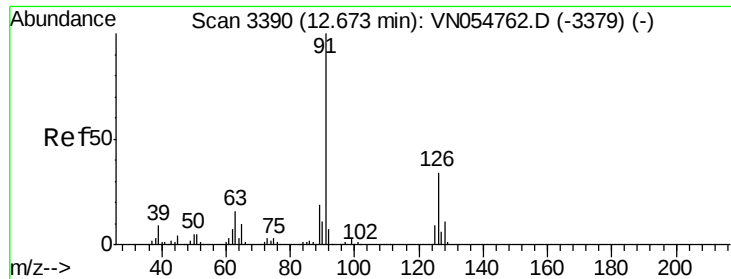
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.601 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

VN0403MBS01

Tot Ion: 91 Resp: 279082

Ion Ratio Lower Upper

91 100

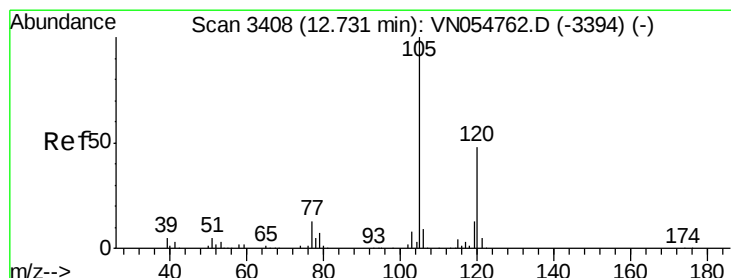
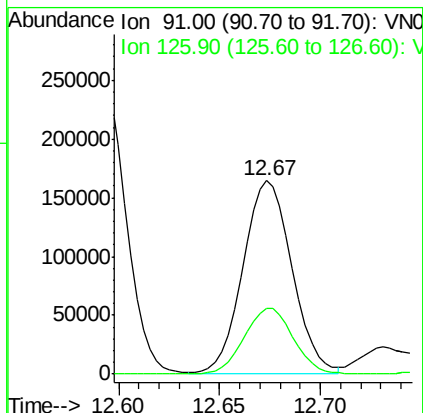
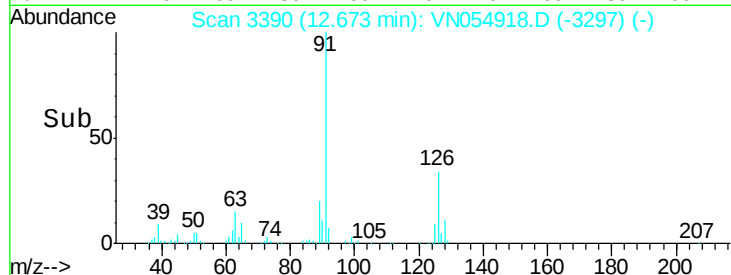
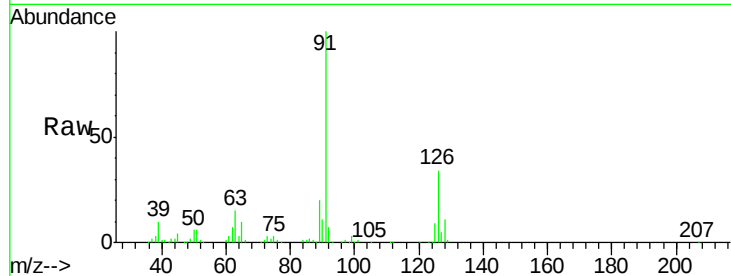
126 34.5 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.943 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054918.D

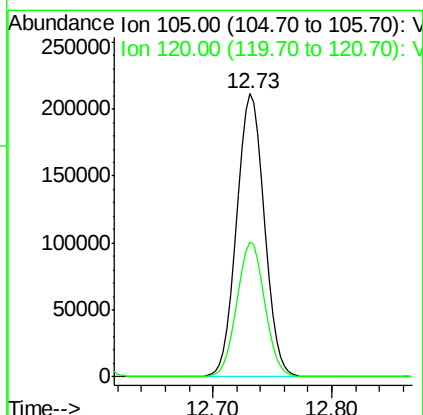
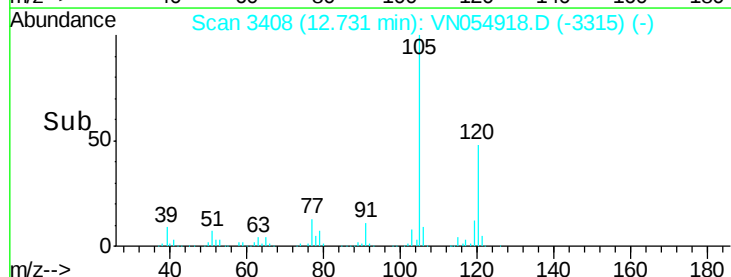
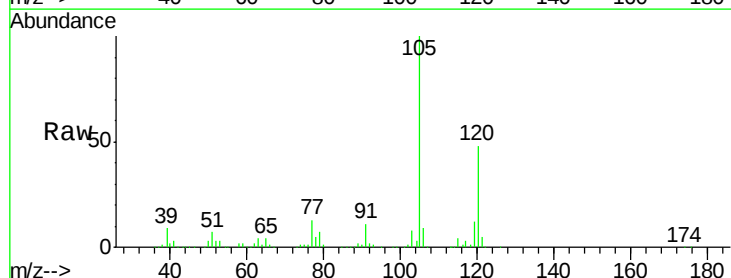
Acq: 3 Apr 2019 11:37

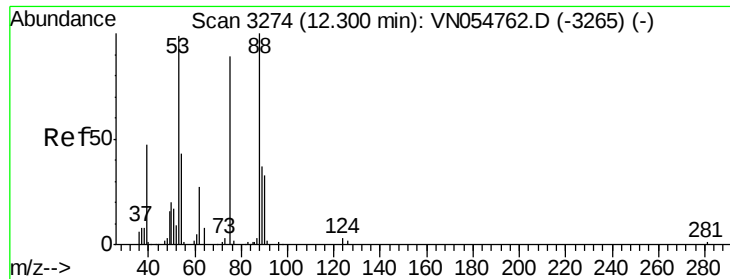
Tgt Ion: 105 Resp: 342366

Ion Ratio Lower Upper

105 100

120 48.0 25.0 75.0





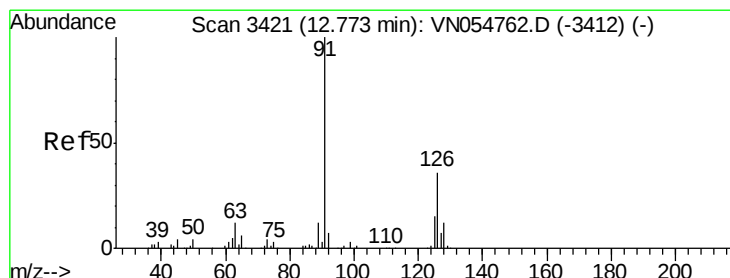
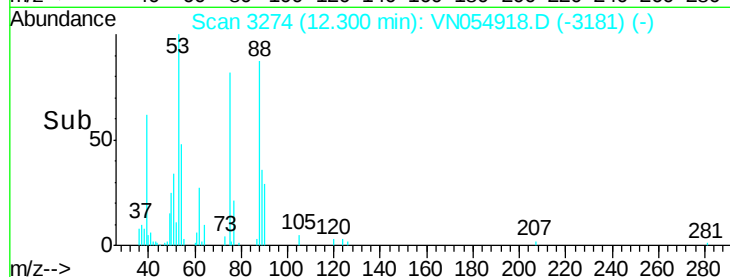
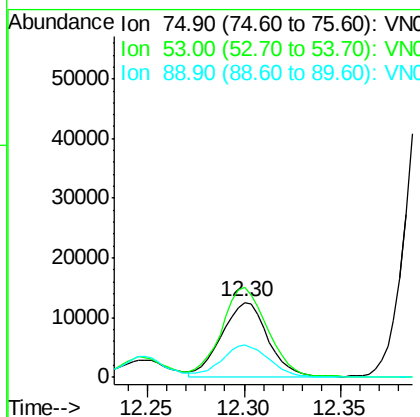
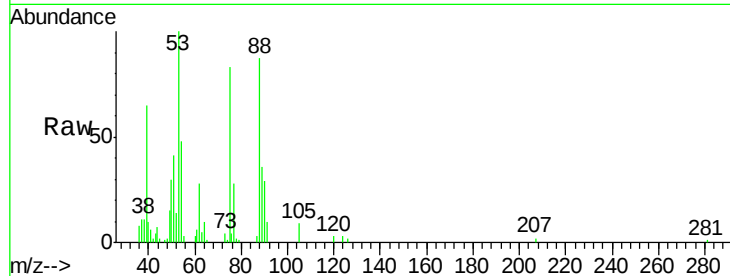
#81
trans-1,4-Dichloro-2-butene
Concen: 19.381 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0403MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.2	76.2	114.2#
89	44.2	39.2	58.8

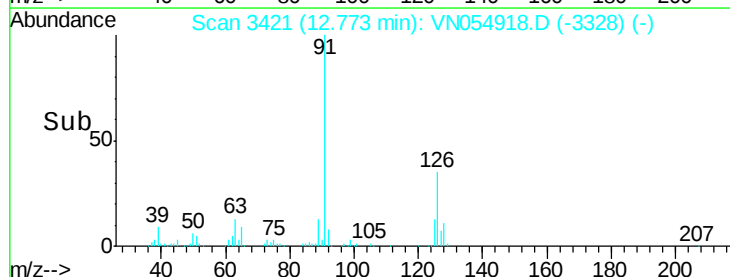
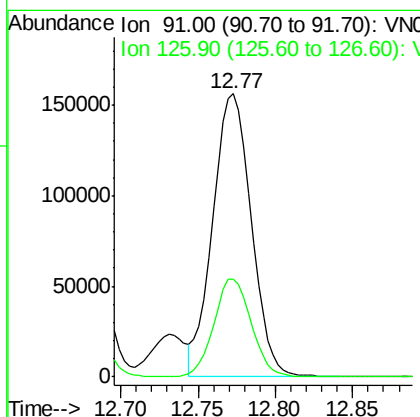
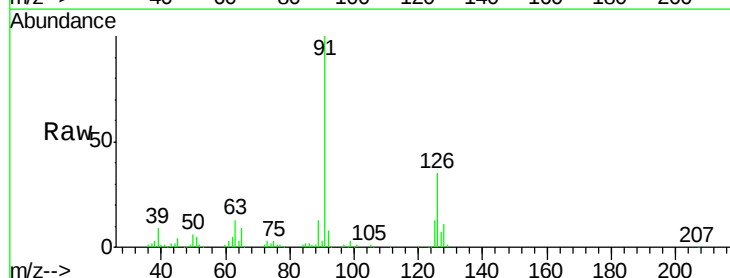
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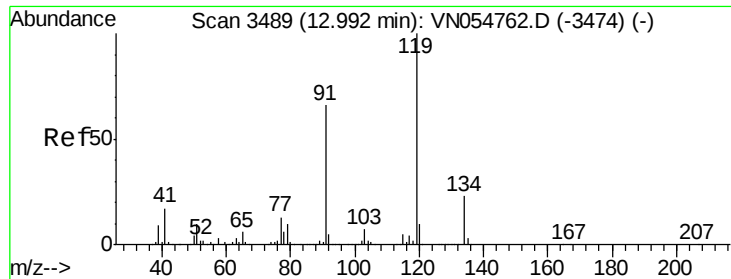
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#82
4-Chlorotoluene
Concen: 20.555 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	18.1	54.1





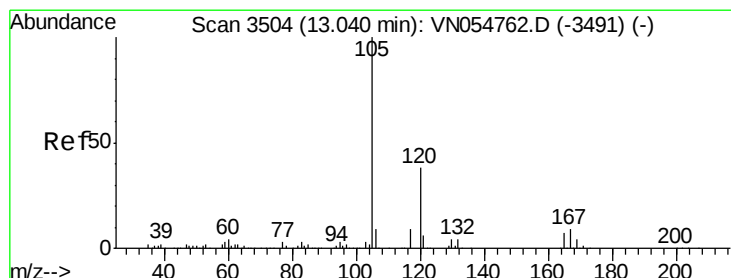
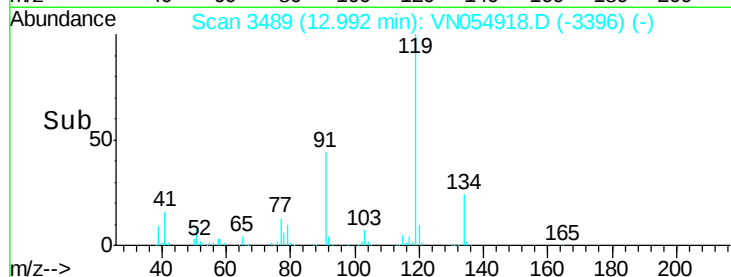
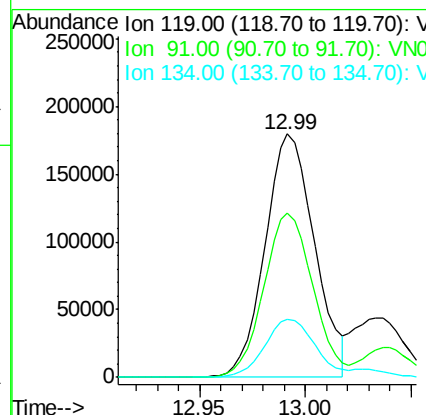
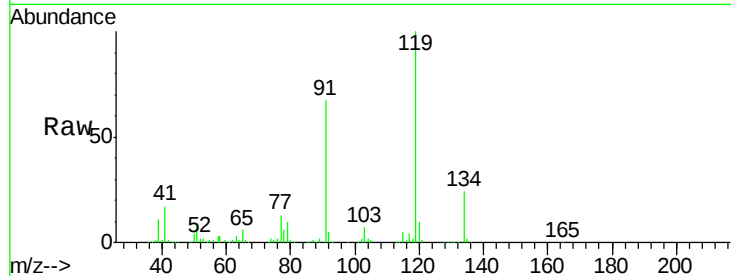
#83
tert-Butylbenzene
Concen: 21.987 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0403MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	293305		
91	67.1		30.9	92.8
134	24.4		13.2	39.6

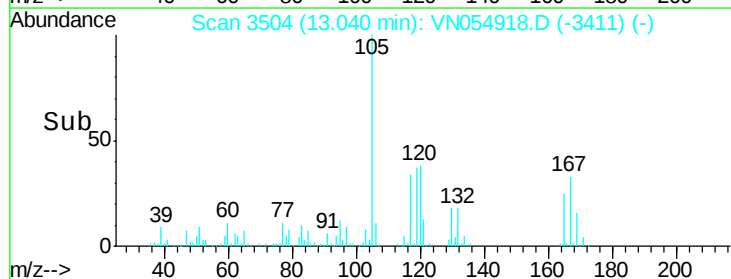
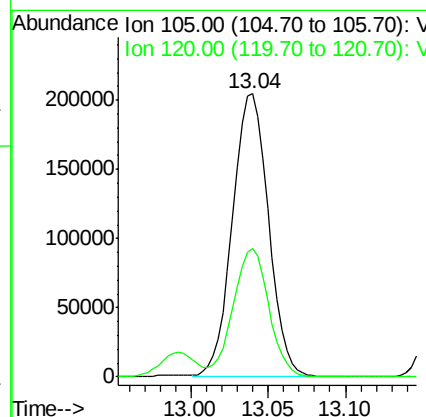
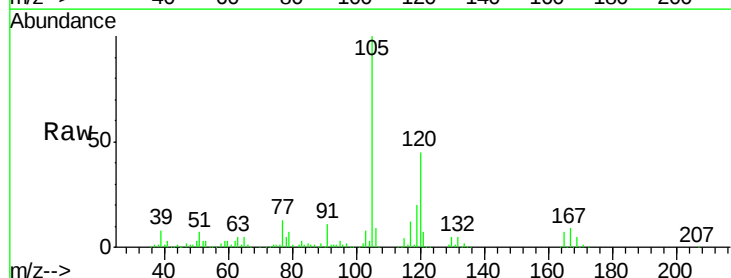
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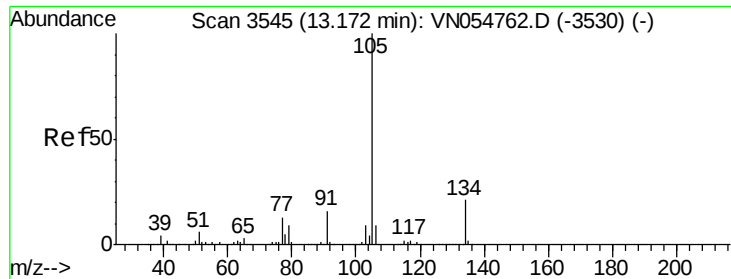
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.194 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	330083		
120	44.7		23.4	70.3





#85

sec-Butylbenzene

Concen: 20.838 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0403MBS01

Tot Ion:105 Resp: 370049

Ion Ratio Lower Upper

105 100

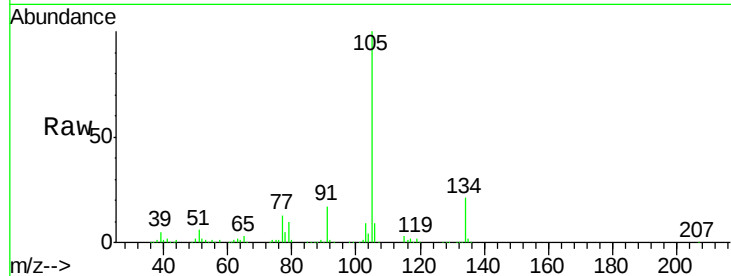
134 20.2 10.7 32.1

Manual Integrations

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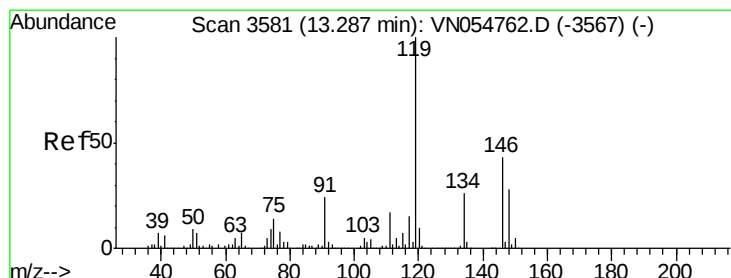
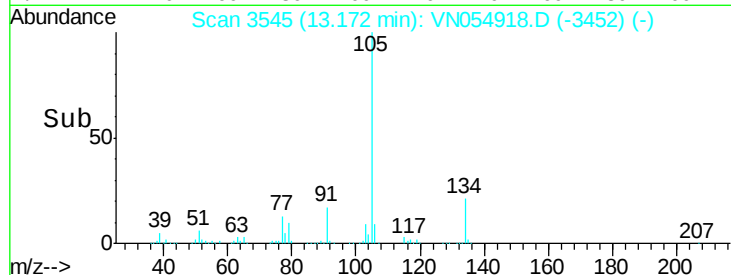
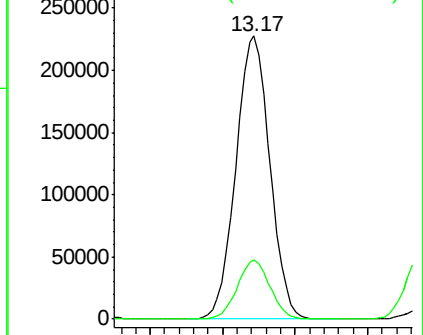
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.681 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

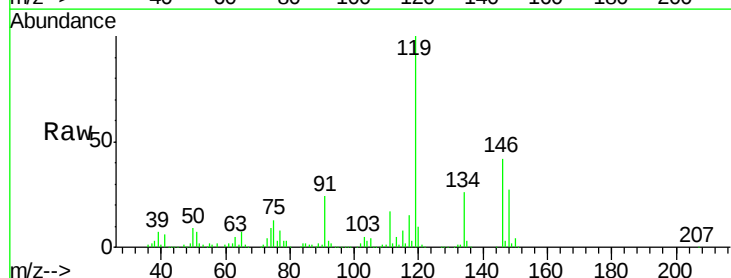
Tgt Ion:119 Resp: 323920

Ion Ratio Lower Upper

119 100

134 26.2 13.6 40.8

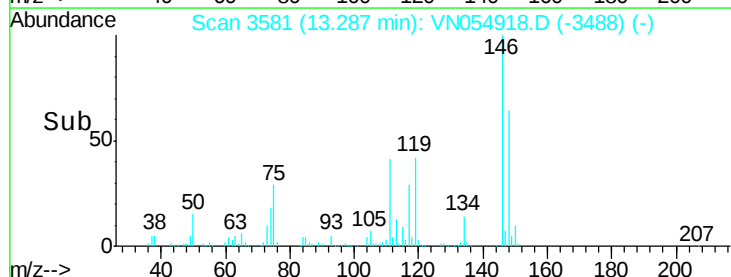
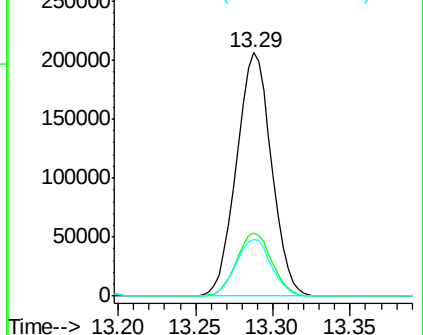
91 23.6 11.1 33.3

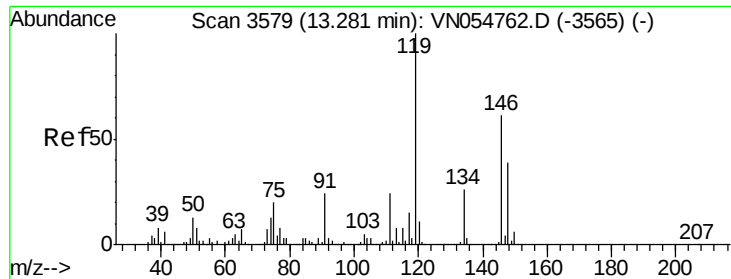


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





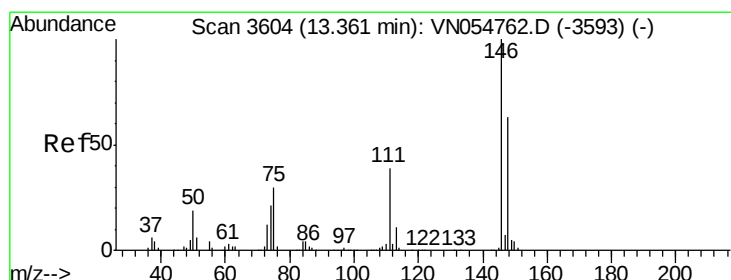
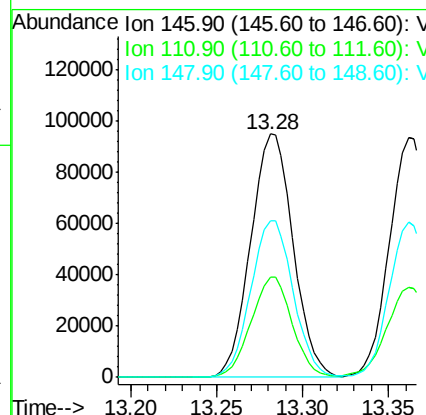
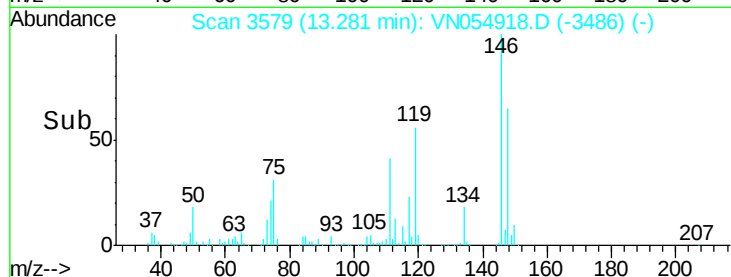
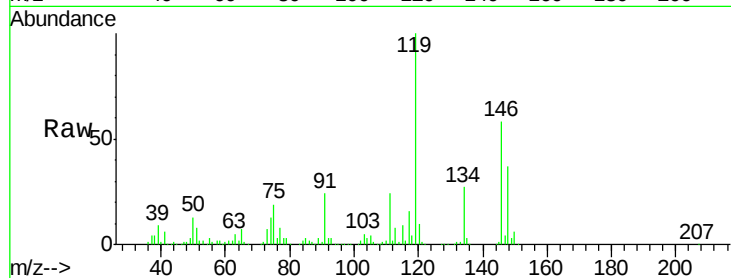
#87
 1,3-Dichlorobenzene
 Concen: 20.244 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.8	56.3
148	64.1	32.2	96.6

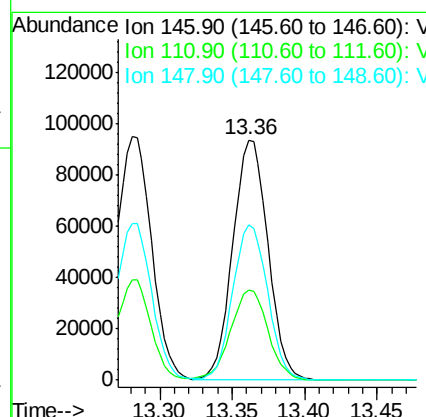
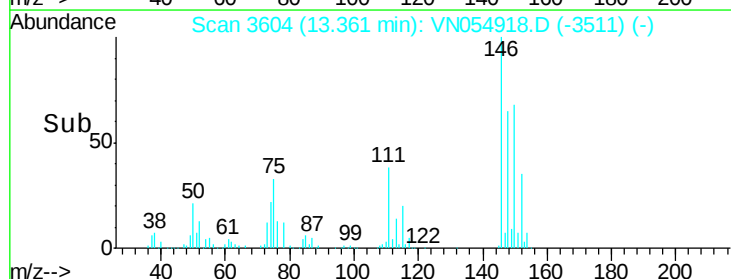
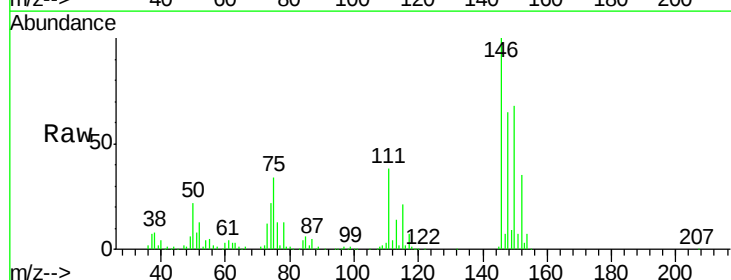
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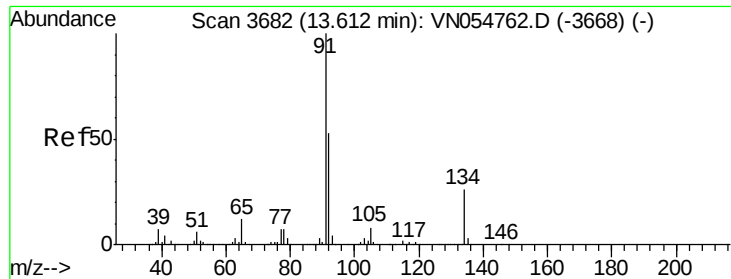
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#88
 1,4-Dichlorobenzene
 Concen: 19.998 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	18.1	54.1
148	64.5	32.0	96.0





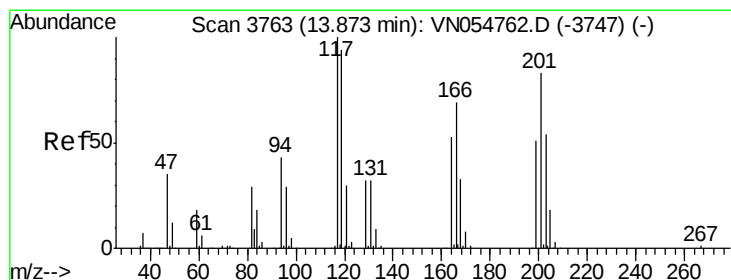
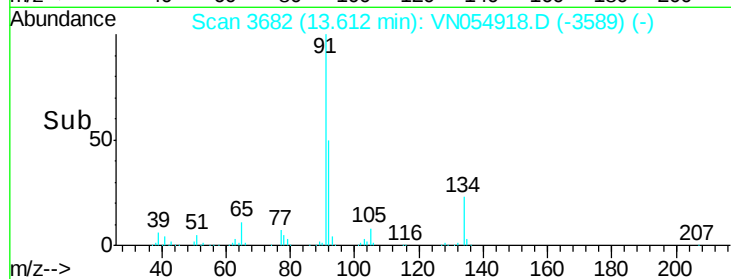
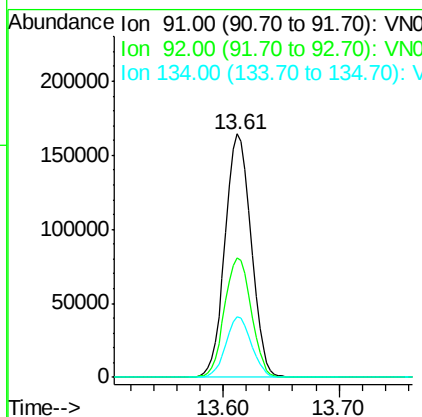
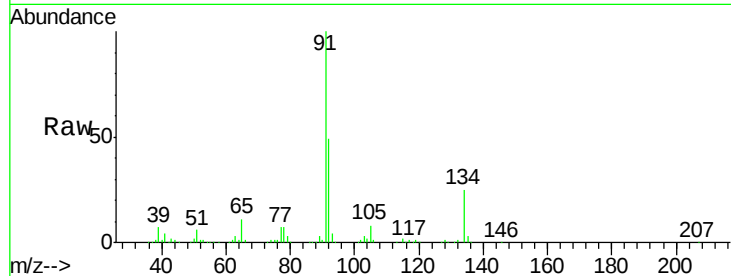
#89
n-Butylbenzene
Concen: 20.023 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0403MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.0	26.2	78.6
134	24.1	14.3	42.9

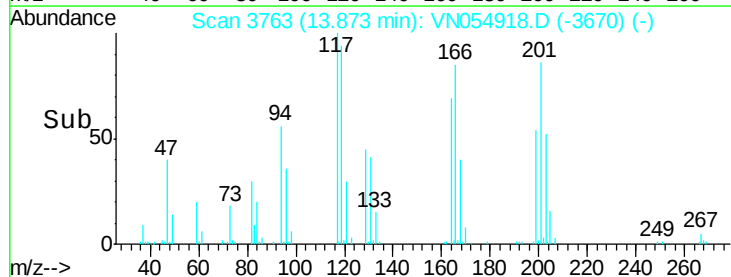
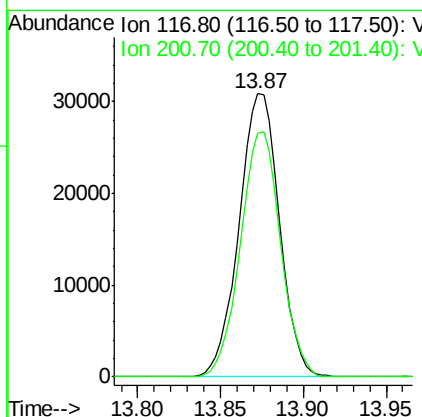
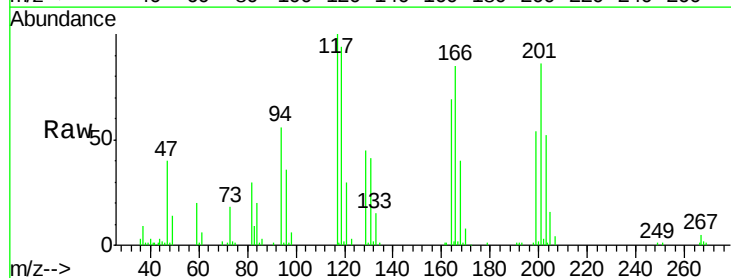
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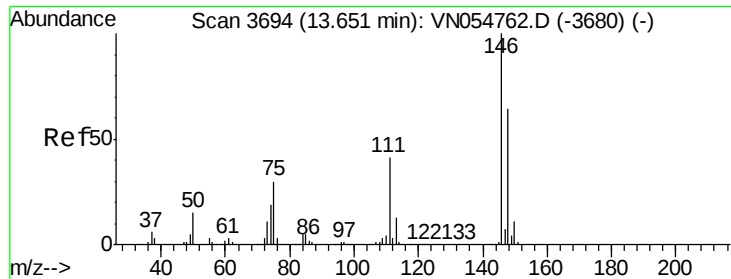
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#90
Hexachloroethane
Concen: 19.641 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.9	48.1	144.4





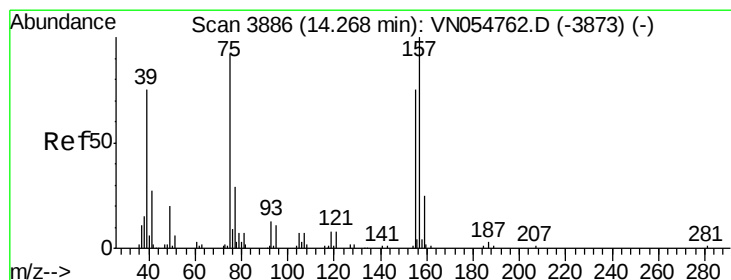
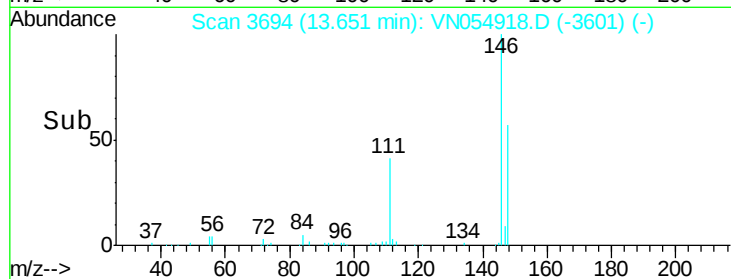
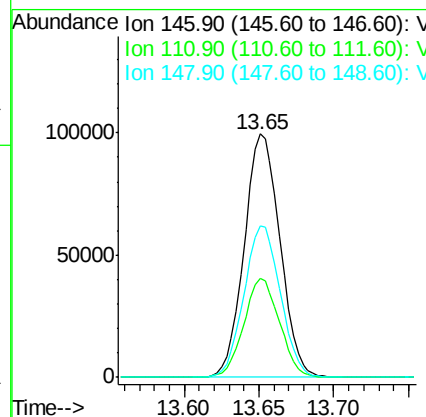
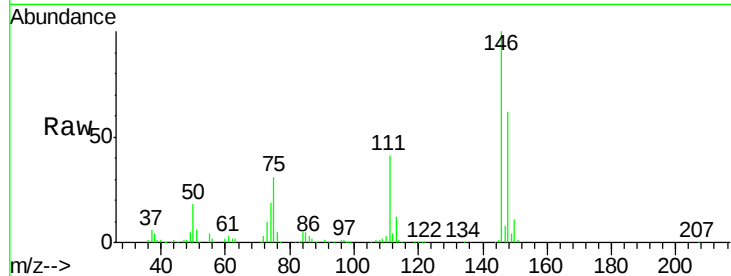
#91
 1,2-Dichlorobenzene
 Concen: 20.384 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.1	57.3
148	63.4	32.4	97.0

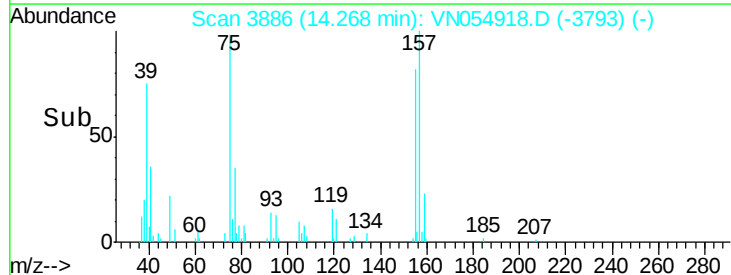
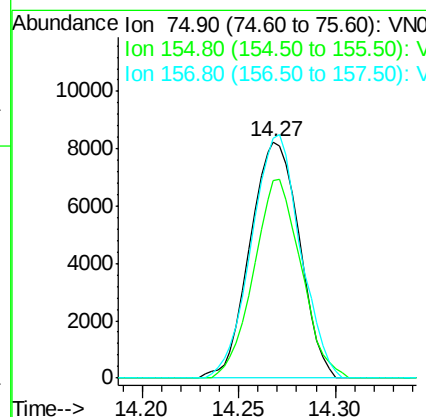
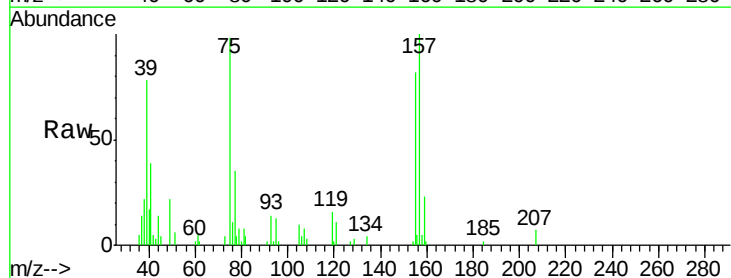
Manual Integrations
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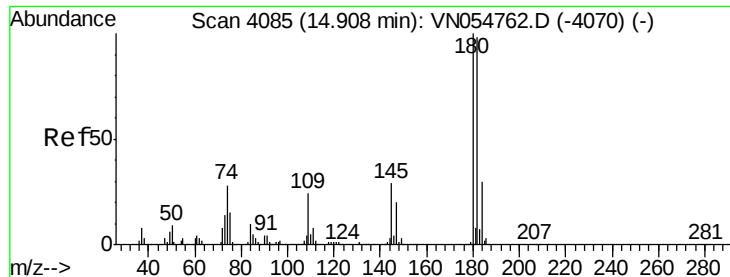
MMDadoda
 4/4/2019 9:31:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.419 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.8	50.1	150.3
157	102.3	63.1	189.3





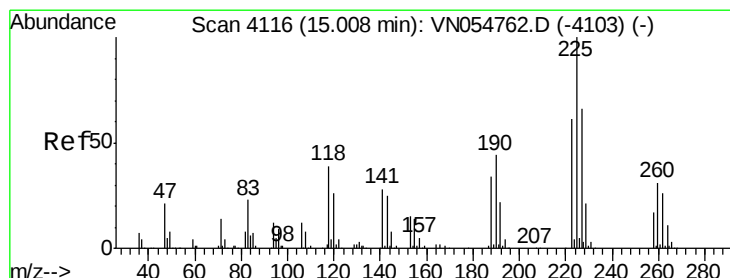
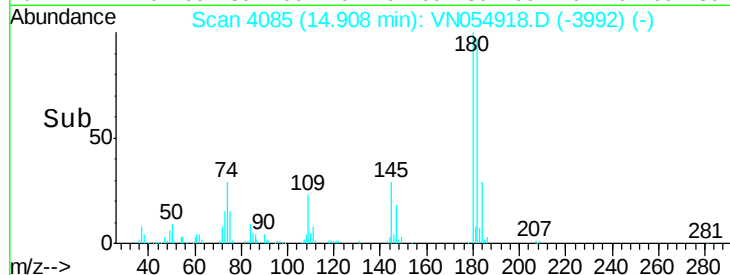
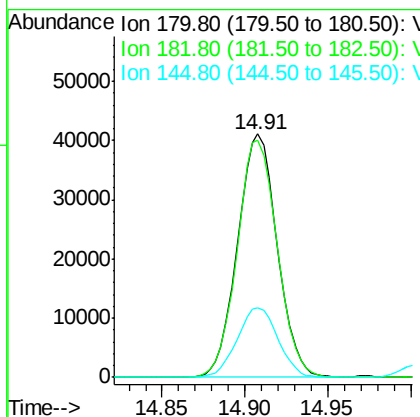
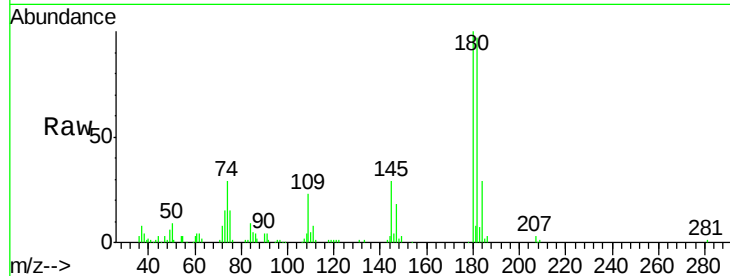
#93
 1,2,4-Trichlorobenzene
 Concen: 17.401 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	68158		
182	98.5	48.0	144.2	
145	29.4	14.2	42.8	

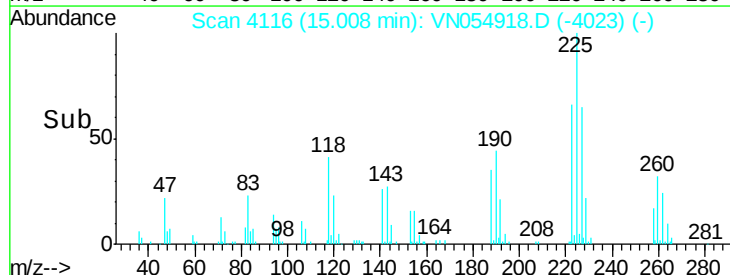
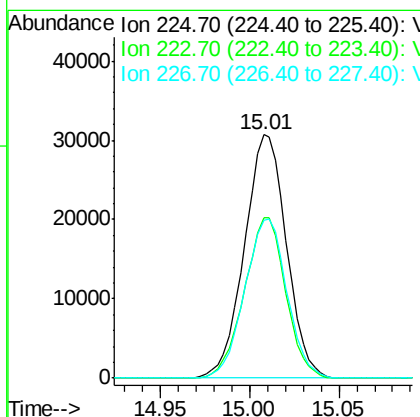
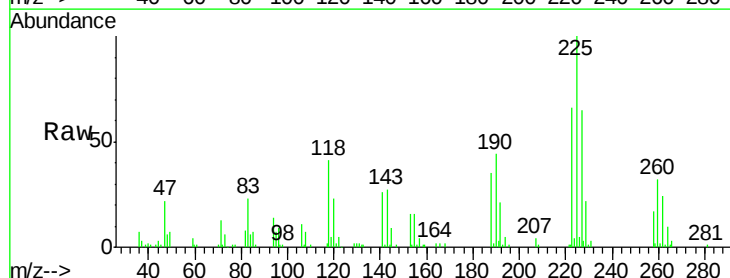
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 20.482 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50393		
223	64.8	31.1	93.5	
227	65.6	31.9	95.9	





#95

Naphthalene

Concen: 17.871 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

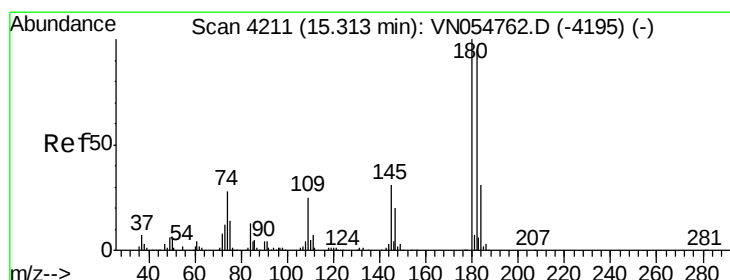
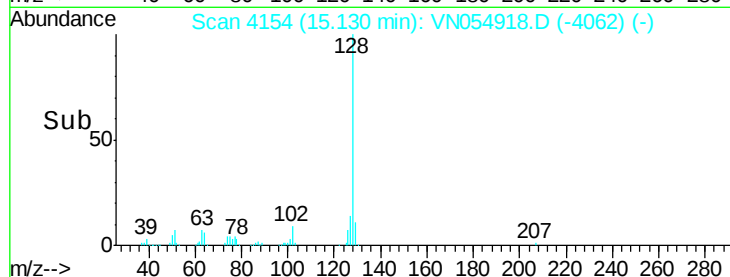
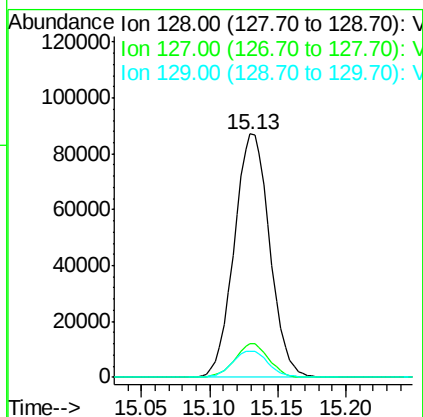
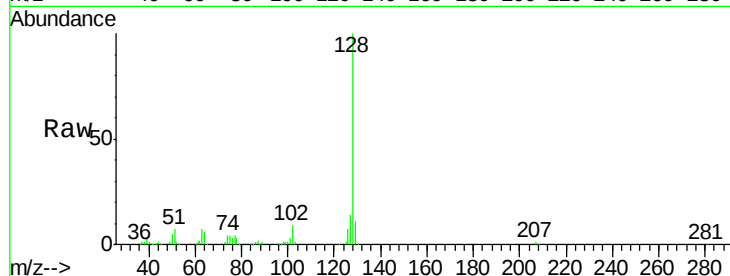
ClientSampleId :

VN0403MBS01

Tot Ion:	128	Resp:	156990
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
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4/4/2019 9:31:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.442 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Tgt Ion:	180	Resp:	72952
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.5	142.6
145	30.3	14.8	44.3

