

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052963.D
 Acq On : 18 Dec 2018 16:11
 Operator : MD\SY
 Sample : VN1218MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 12:06:49 PM

Quant Time: Dec 19 04:08:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1178890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1809126	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1562920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	666136	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	635274	53.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.20%	
35) Dibromofluoromethane	7.59	113	434490	52.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.16%	
50) Toluene-d8	10.09	98	2264151	51.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.40	95	735937	47.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	234774	19.677	ug/l	100
3) Chloromethane	2.06	50	268782	18.590	ug/l	99
4) Vinyl Chloride	2.19	62	287759	19.652	ug/l	98
5) Bromomethane	2.58	94	191220	18.849	ug/l	100
6) Chloroethane	2.71	64	171777	19.808	ug/l	100
7) Trichlorofluoromethane	3.03	101	366579	20.096	ug/l	100
8) Diethyl Ether	3.41	74	140594	20.430	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	232913	20.026	ug/l	97
10) Methyl Iodide	3.96	142	321600	19.690	ug/l	100
11) Tert butyl alcohol	4.78	59	77476	106.136	ug/l	99
12) 1,1-Dichloroethene	3.74	96	225578	20.076	ug/l	98
13) Acrolein	3.61	56	87497	132.193	ug/l	97
14) Allyl chloride	4.33	41	348231	20.008	ug/l	99
15) Acrylonitrile	4.99	53	413834	102.047	ug/l	100
16) Acetone	3.82	43	244154	104.087	ug/l	96
17) Carbon Disulfide	4.06	76	700751	19.123	ug/l	100
18) Methyl Acetate	4.32	43	210903	20.409	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	635832	21.145	ug/l	99
20) Methylene Chloride	4.55	84	251436	19.651	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	245691	20.351	ug/l	98
22) Diisopropyl ether	5.95	45	776815	20.910	ug/l	97
23) Vinyl Acetate	5.90	43	2313744	108.307	ug/l	99
24) 1,1-Dichloroethane	5.85	63	448317	20.308	ug/l	99
25) 2-Butanone	6.84	43	431478	109.607	ug/l	99
26) 2,2-Dichloropropane	6.83	77	334339	19.840	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	279333	20.438	ug/l	98
28) Bromochloromethane	7.20	49	215668	22.545	ug/l	96
29) Tetrahydrofuran	7.21	42	305414	103.878	ug/l	97
30) Chloroform	7.37	83	434495	20.035	ug/l	98
31) Cyclohexane	7.66	56	435170	20.396	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	372253	20.150	ug/l	99
36) 1,1-Dichloropropene	7.79	75	344609	19.846	ug/l	100
37) Ethyl Acetate	6.93	43	211157	21.783	ug/l	98
38) Carbon Tetrachloride	7.78	117	318728	20.025	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	415344	19.690	ug/l	98
40) Benzene	8.04	78	1039561	20.127	ug/l	99
41) Methacrylonitrile	7.17	41	119610	21.355	ug/l	95
42) 1,2-Dichloroethane	8.13	62	306486	20.086	ug/l	99
43) Isopropyl Acetate	8.16	43	400202	20.722	ug/l	99
44) Trichloroethene	8.84	130	292449	19.576	ug/l	99
45) 1,2-Dichloropropane	9.12	63	273657	20.341	ug/l	100
46) Dibromomethane	9.21	93	158560	20.232	ug/l	98
47) Bromodichloromethane	9.40	83	334407	20.073	ug/l	99
48) Methyl methacrylate	9.20	41	194594	20.687	ug/l	98
49) 1,4-Dioxane	9.20	88	45287	380.602	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1004095	106.960	ug/l	99
52) Toluene	10.16	92	631855	19.737	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	343858	19.629	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	404516	20.117	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	226380	20.269	ug/l	99
56) Ethyl methacrylate	10.43	69	307739	20.817	ug/l	97
57) 1,3-Dichloropropane	10.71	76	383045	20.000	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	850756	104.827	ug/l	97
59) 2-Hexanone	10.75	43	667480	105.091	ug/l	98
60) Dibromochloromethane	10.90	129	248508	19.438	ug/l	99
61) 1,2-Dibromoethane	11.01	107	226396	19.959	ug/l	99
64) Tetrachloroethene	10.63	164	324840	19.187	ug/l	99
65) Chlorobenzene	11.43	112	682636	19.703	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	246264	20.440	ug/l	100
67) Ethyl Benzene	11.51	91	1181388	19.828	ug/l	99
68) m/p-Xylenes	11.62	106	882858	38.978	ug/l	100
69) o-Xylene	11.95	106	430339	19.800	ug/l	100
70) Styrene	11.96	104	695013	19.611	ug/l	99
71) Bromoform	12.13	173	166405	19.119	ug/l #	100
73) Isopropylbenzene	12.25	105	1143500	21.940	ug/l	100
74) N-amyl acetate	12.07	43	331030	22.877	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	237186	23.197	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	217214m	19.370	ug/l	
77) Bromobenzene	12.53	156	300407	22.173	ug/l	93
78) n-propylbenzene	12.59	91	1258348	21.199	ug/l	99
79) 2-Chlorotoluene	12.68	91	732525	19.909	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	881782	20.757	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	74886	21.524	ug/l	98
82) 4-Chlorotoluene	12.77	91	744111	20.660	ug/l	100
83) tert-Butylbenzene	12.99	119	786406	20.931	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	884260	20.706	ug/l	100
85) sec-Butylbenzene	13.17	105	1044225	20.548	ug/l	99
86) p-Isopropyltoluene	13.29	119	894450	20.369	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	475285	19.821	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	472794	19.470	ug/l	99
89) n-Butylbenzene	13.62	91	728431	19.282	ug/l	100
90) Hexachloroethane	13.88	117	131779	19.556	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	444829	19.711	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35833	20.268	ug/l	99

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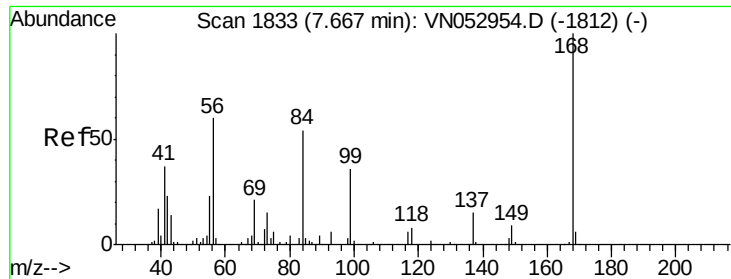
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	251614	21.390	ug/l	99
94) Hexachlorobutadiene	15.01	225	139865	20.923	ug/l	98
95) Naphthalene	15.13	128	569802	22.403	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	234936	22.107	ug/l	100

(#) = 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: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tgt Ion:168 Resp: 1178890

Ion Ratio Lower Upper

168 100

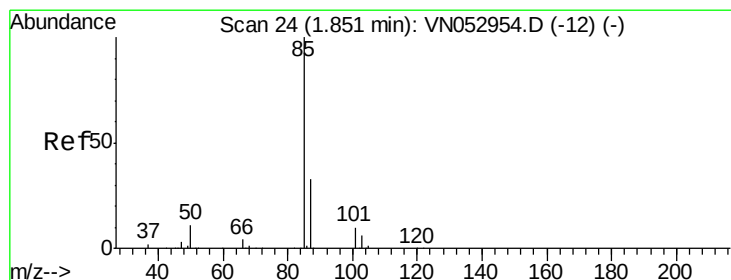
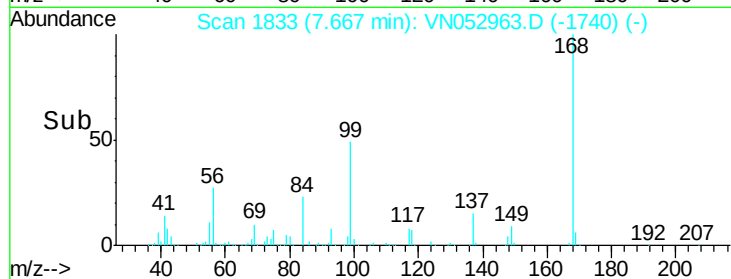
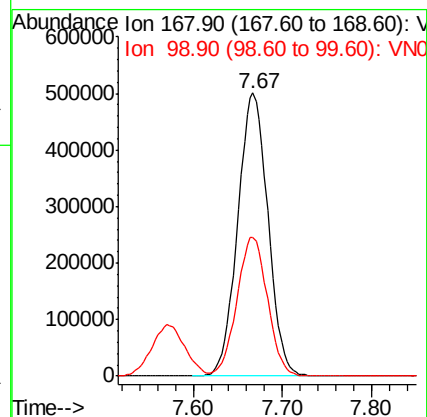
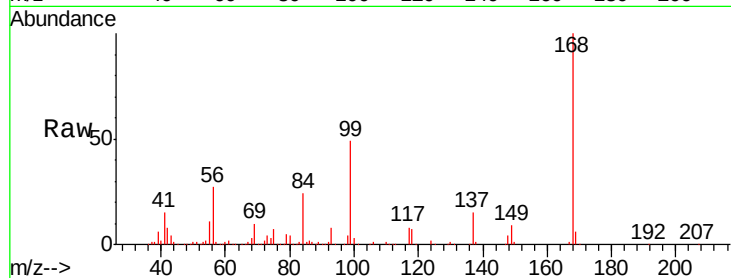
99 49.1 40.2 60.2

Manual Integrations

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12/19/2018 12:06:49 PM



#2

Dichlorodifluoromethane

Concen: 19.677 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052963.D

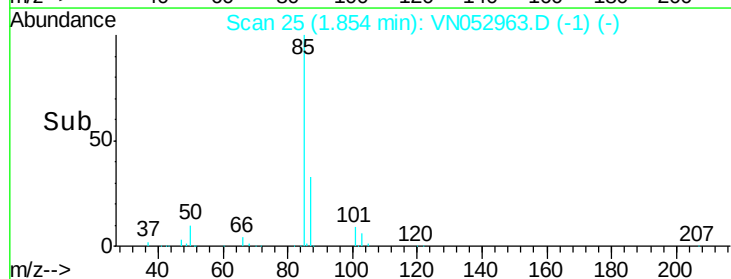
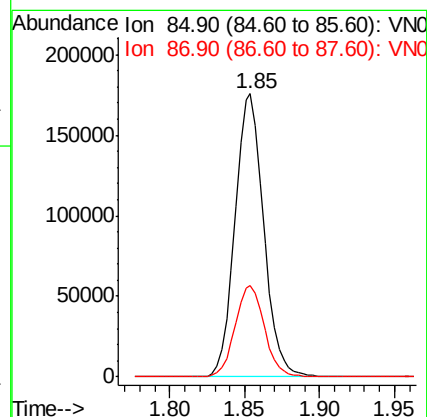
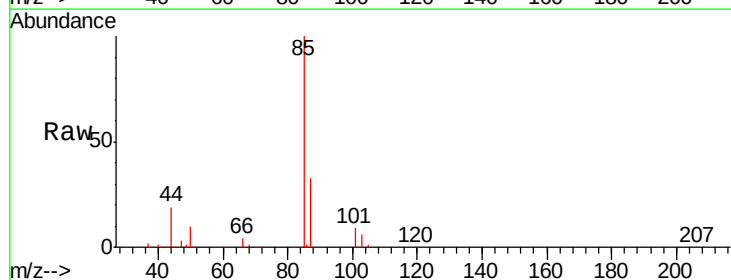
Acq: 18 Dec 2018 16:11

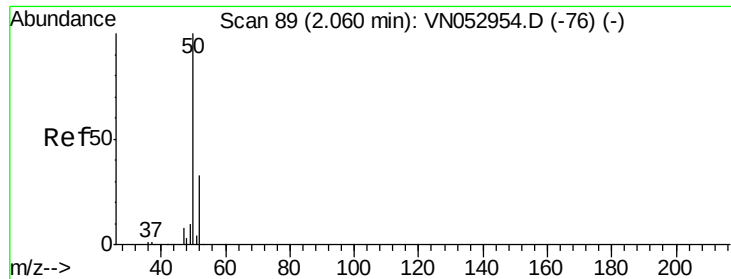
Tgt Ion: 85 Resp: 234774

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8





#3

Chloromethane

Concen: 18.590 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tgt Ion: 50 Resp: 268782

Ion Ratio Lower Upper

50 100

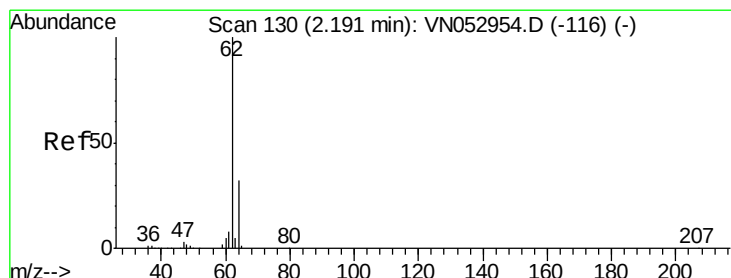
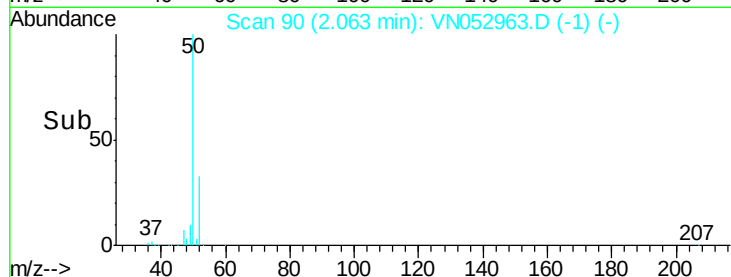
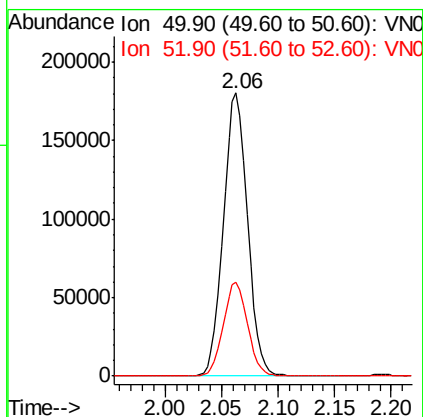
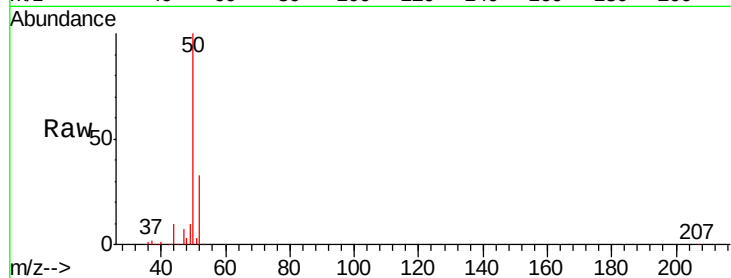
52 33.2 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.652 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052963.D

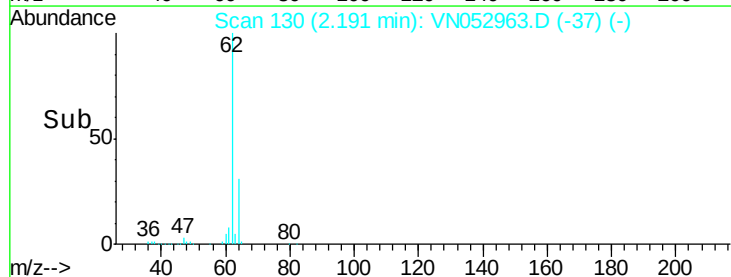
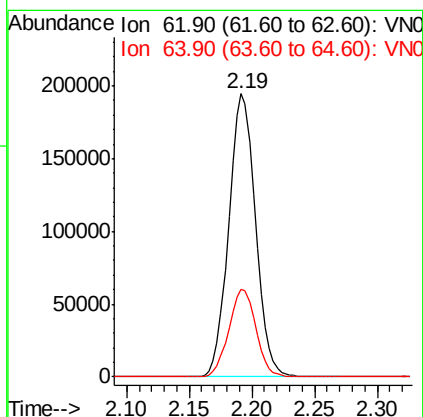
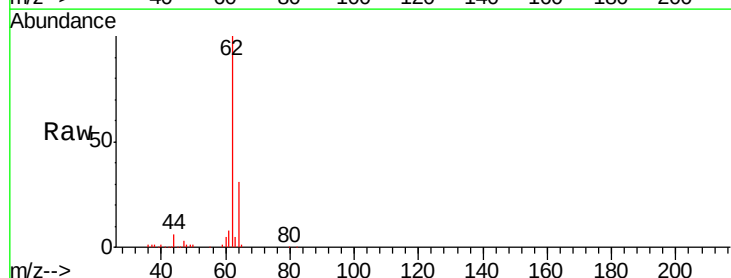
Acq: 18 Dec 2018 16:11

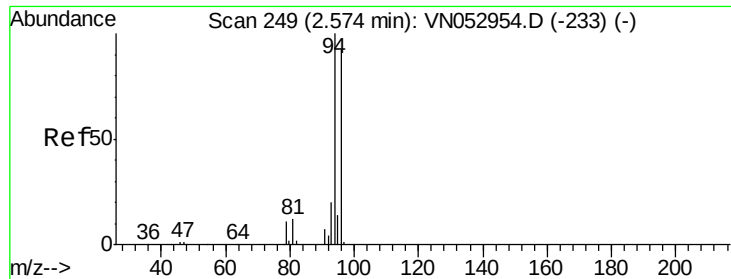
Tgt Ion: 62 Resp: 287759

Ion Ratio Lower Upper

62 100

64 30.9 25.5 38.3





#5

Bromomethane

Concen: 18.849 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

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ClientSampleId :

VN1218MBS01

Tgt Ion: 94 Resp: 191220

Ion Ratio Lower Upper

94 100

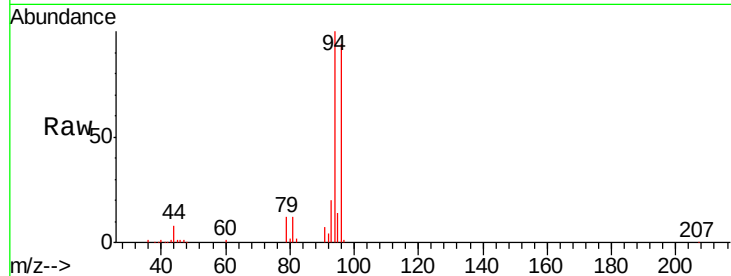
96 94.1 75.0 112.4

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

120000

100000

80000

60000

40000

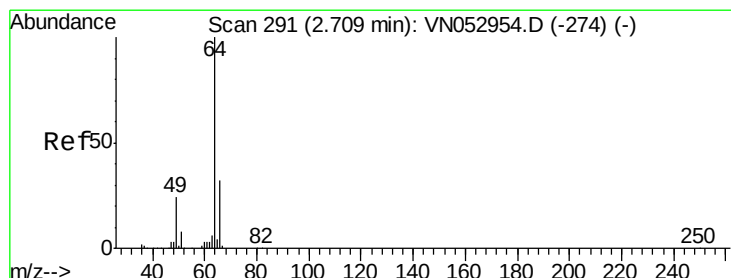
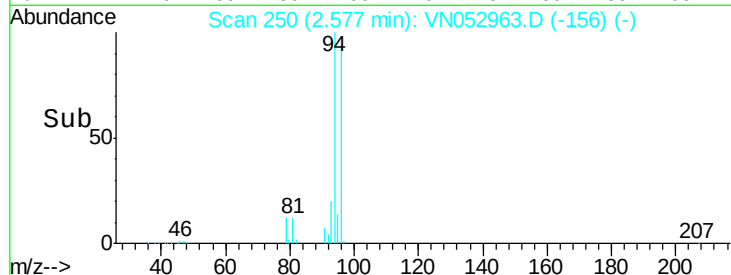
20000

0

Time-->

2.50 2.55 2.60 2.65 2.70

2.58



#6

Chloroethane

Concen: 19.808 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052963.D

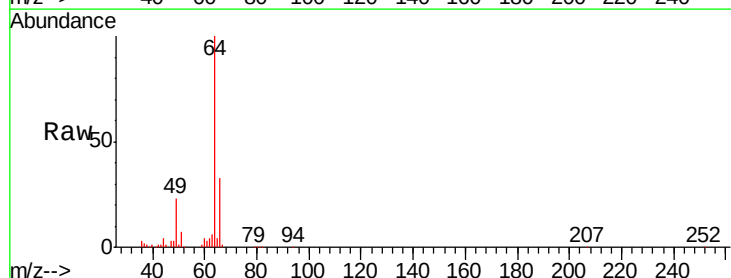
Acq: 18 Dec 2018 16:11

Tgt Ion: 64 Resp: 171777

Ion Ratio Lower Upper

64 100

66 32.5 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

100000

80000

60000

40000

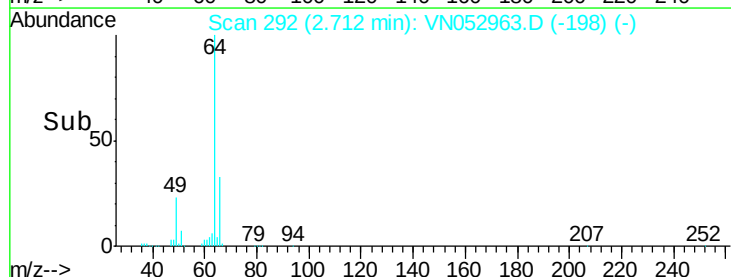
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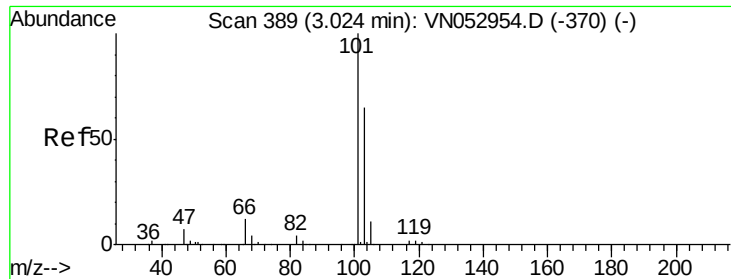
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Time-->

2.60 2.65 2.70 2.75 2.80

2.71





#7

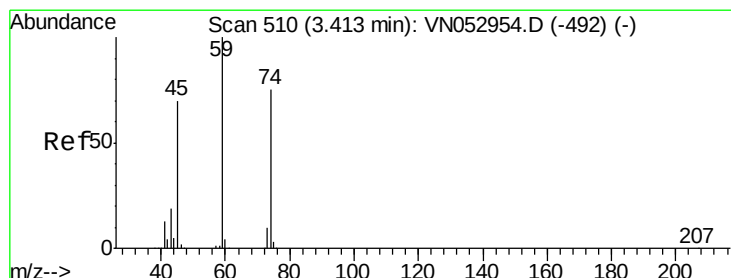
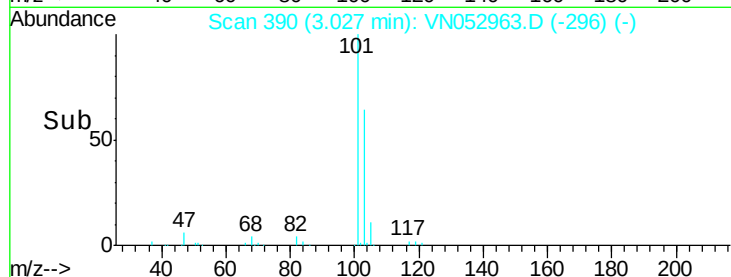
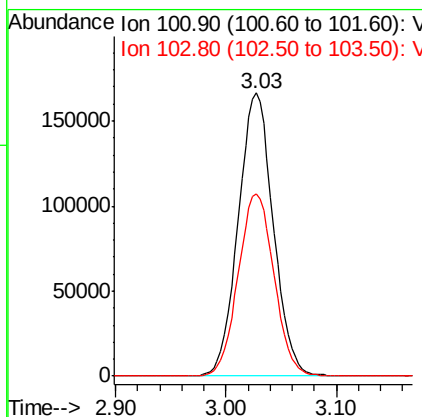
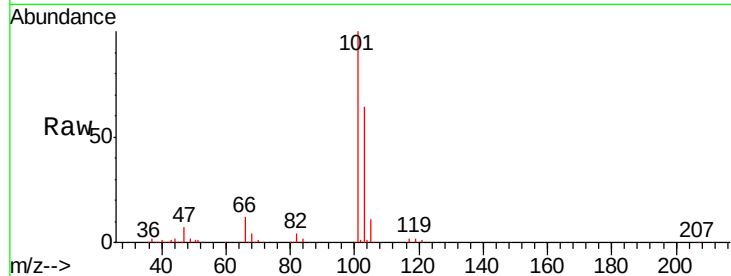
Trichlorofluoromethane
 Concen: 20.096 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	366579		
103	64.4	51.8	77.6	

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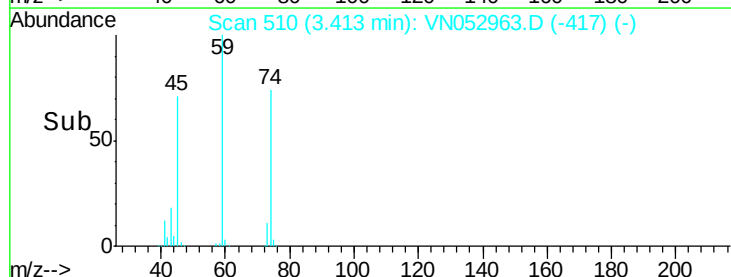
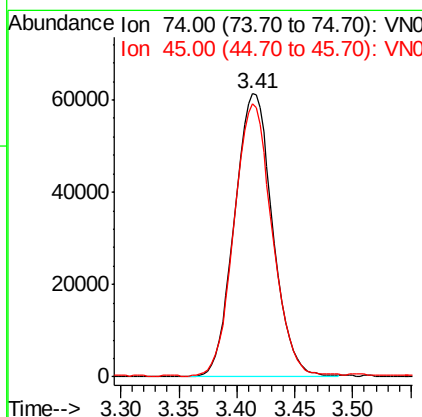
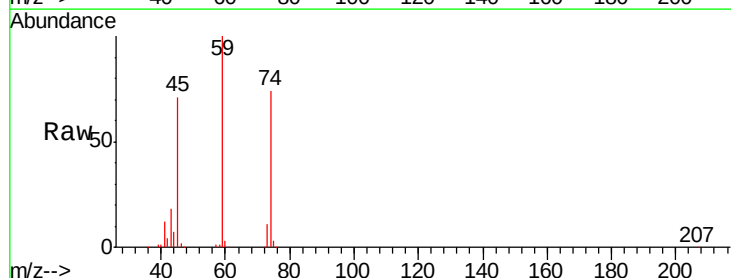
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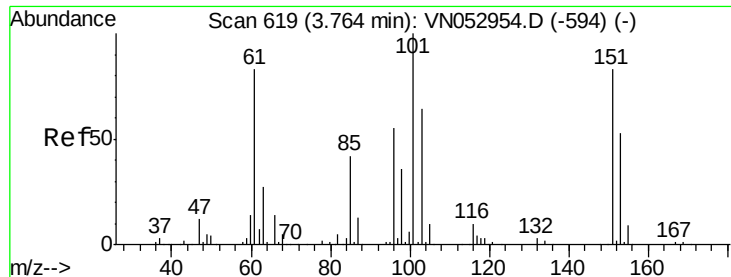


#8

Diethyl Ether
 Concen: 20.430 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	140594		
45	95.8	49.4	148.0	





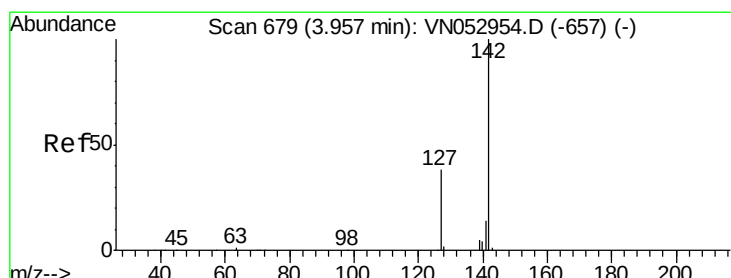
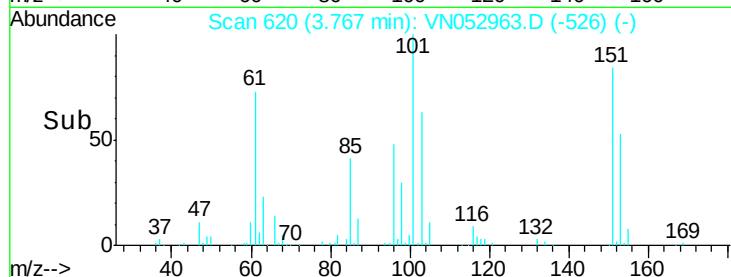
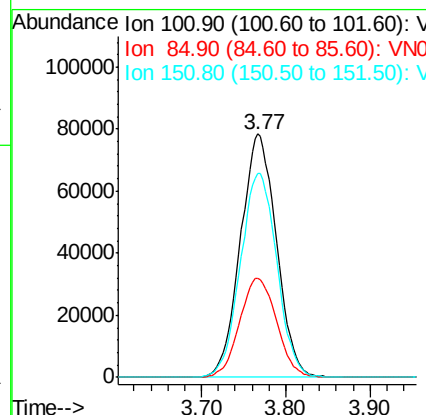
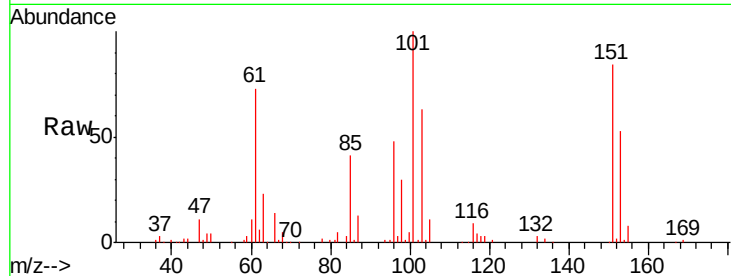
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.026 ug/l
RT: 3.77 min Scan# 620
Delta R.T. 0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	232913		
85	41.7	33.6	50.4	
151	85.1	65.5	98.3	

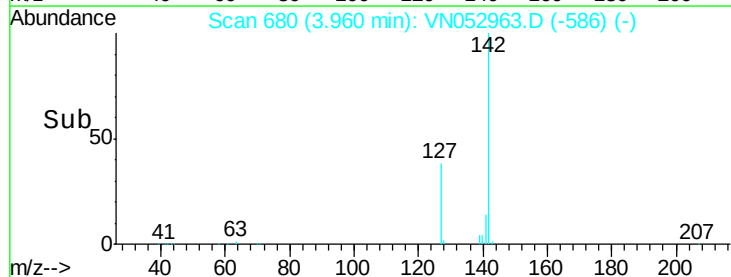
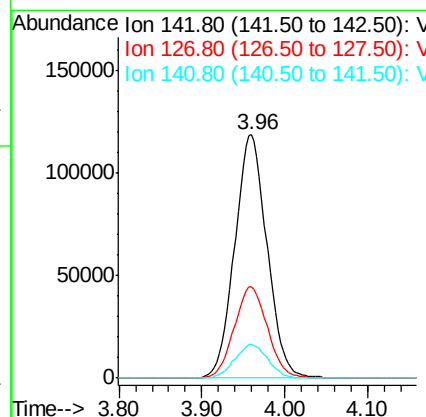
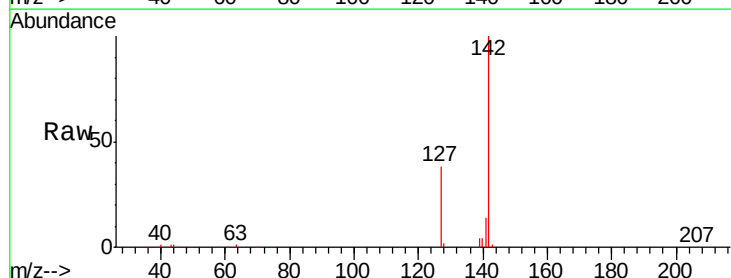
Manual Integrations
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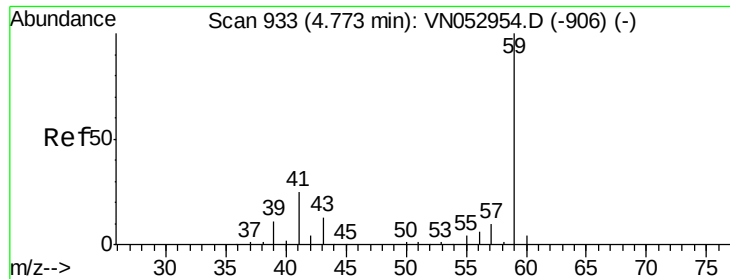
MMDadoda
12/19/2018 12:06:49 PM



#10
Methyl Iodide
Concen: 19.690 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	321600		
127	38.6	31.0	46.6	
141	14.1	11.2	16.8	





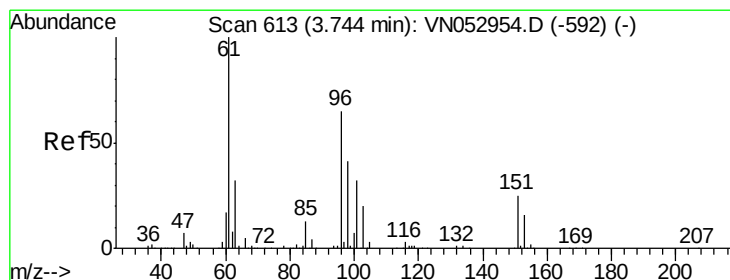
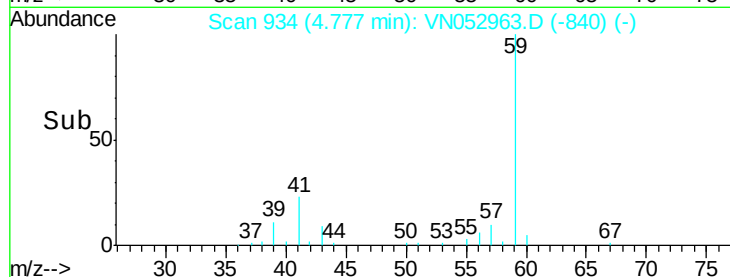
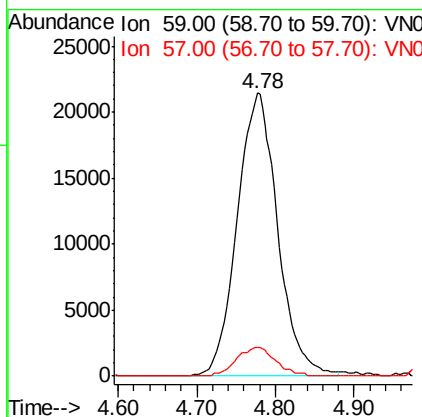
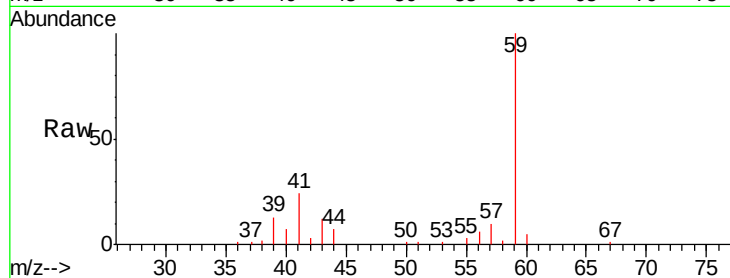
#11
Tert butyl alcohol
Concen: 106.136 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tgt Ion: 59 Resp: 77476
Ion Ratio Lower Upper
59 100
57 9.9 7.7 11.5

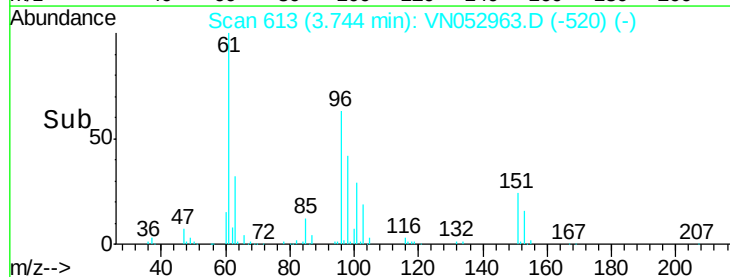
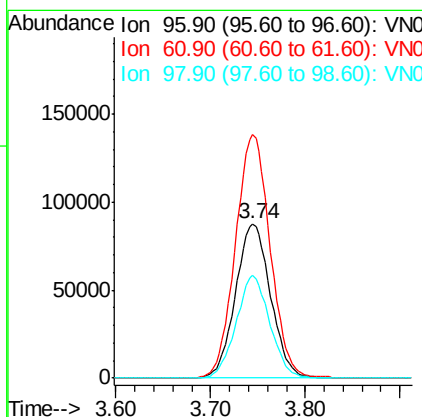
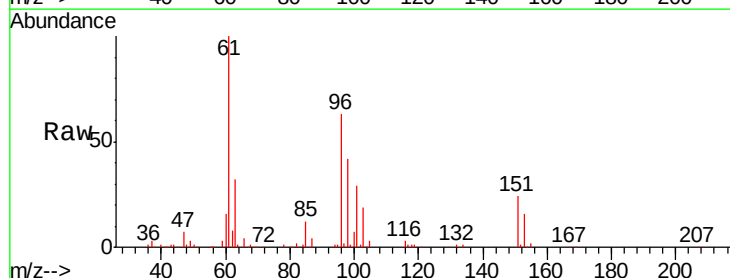
Manual Integrations
APPROVED

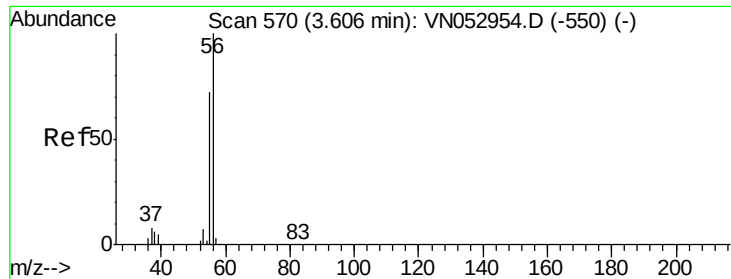
MMDadoda
12/19/2018 12:06:49 PM



#12
1,1-Dichloroethene
Concen: 20.076 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Tgt Ion: 96 Resp: 225578
Ion Ratio Lower Upper
96 100
61 157.8 125.6 188.4
98 66.2 50.6 75.8





#13

Acrolein

Concen: 132.193 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tgt Ion: 56 Resp: 87497

Ion Ratio Lower Upper

56 100

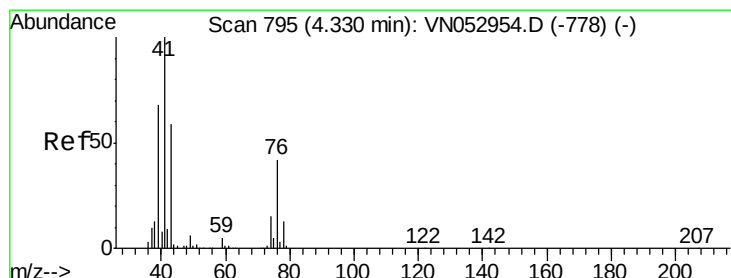
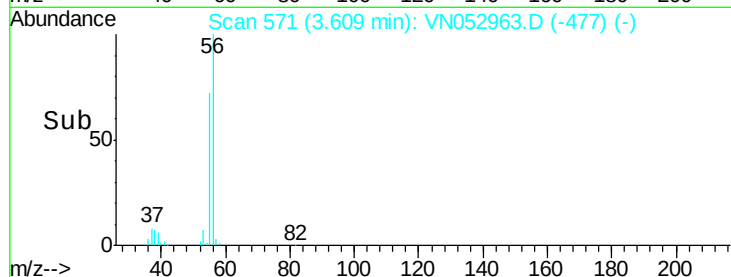
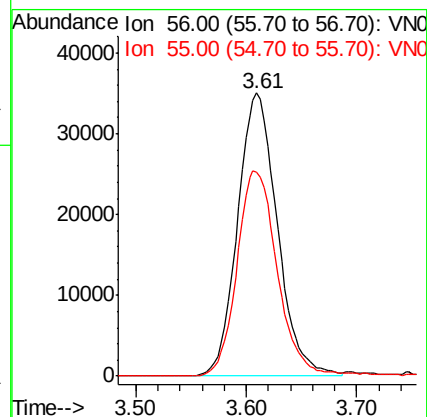
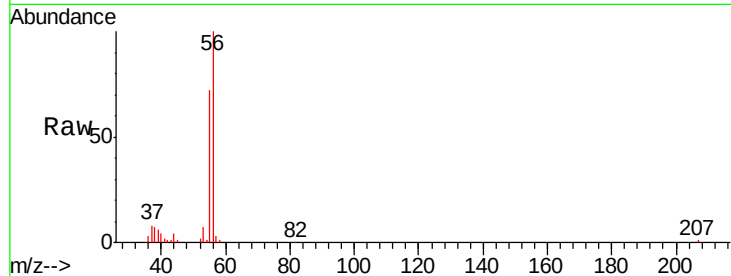
55 73.4 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.008 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

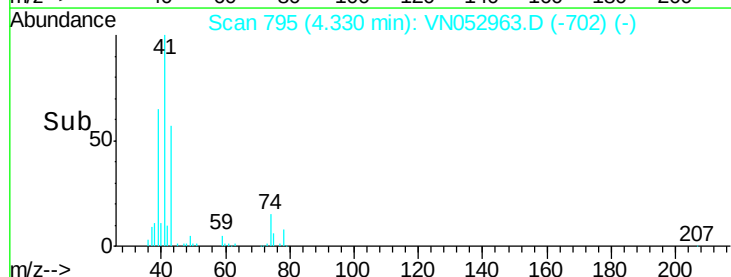
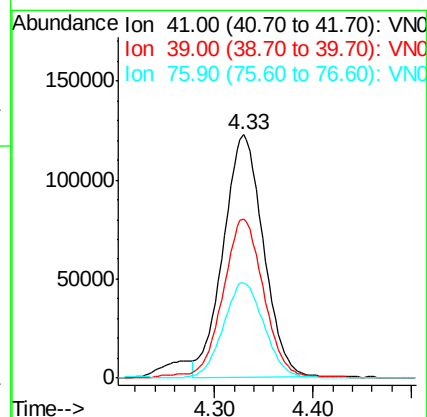
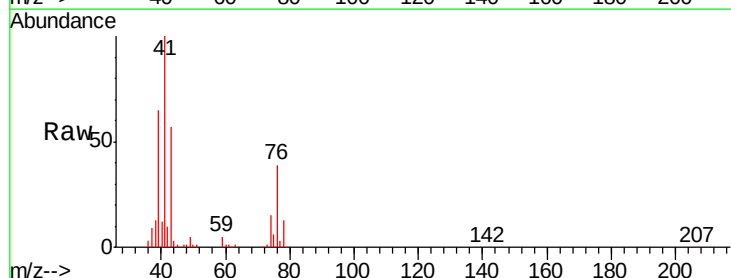
Tgt Ion: 41 Resp: 348231

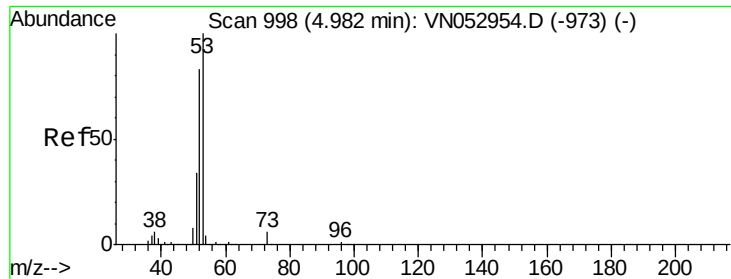
Ion Ratio Lower Upper

41 100

39 67.0 54.1 81.1

76 39.4 30.3 45.5





#15

Acrylonitrile

Concen: 102.047 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

MSVOA_N

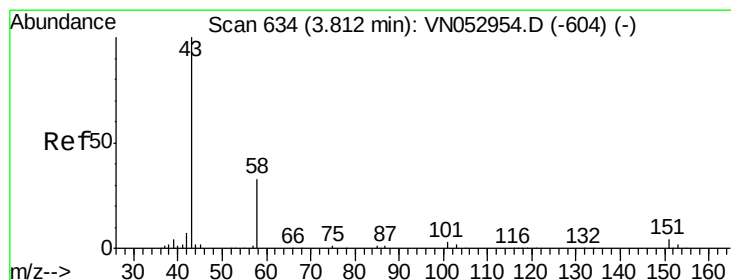
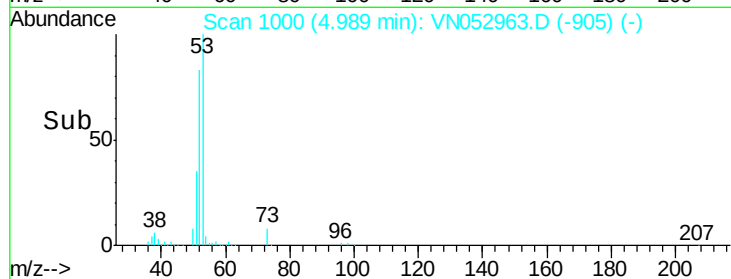
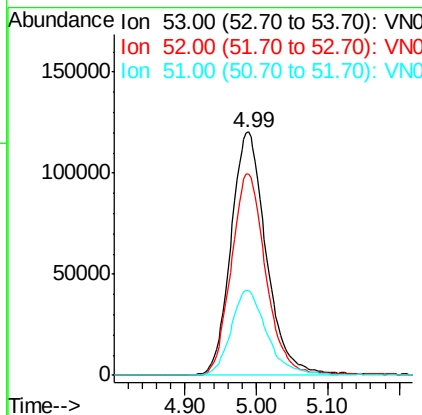
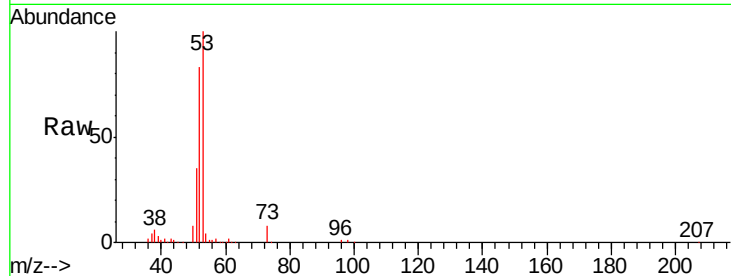
ClientSampleId :

VN1218MBS01

Tgt Ion:	53	Resp:	413834
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.1	97.7
51	35.6	28.1	42.1

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#16

Acetone

Concen: 104.087 ug/l

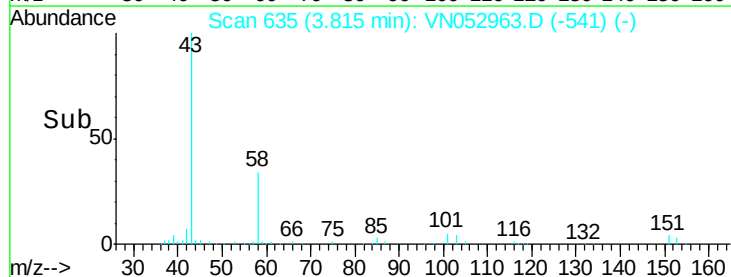
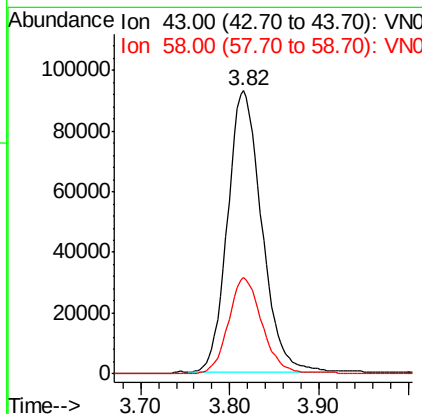
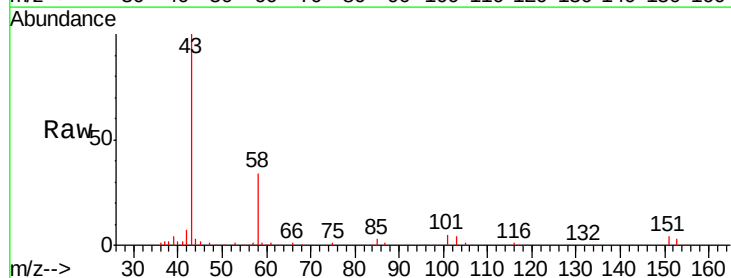
RT: 3.82 min Scan# 635

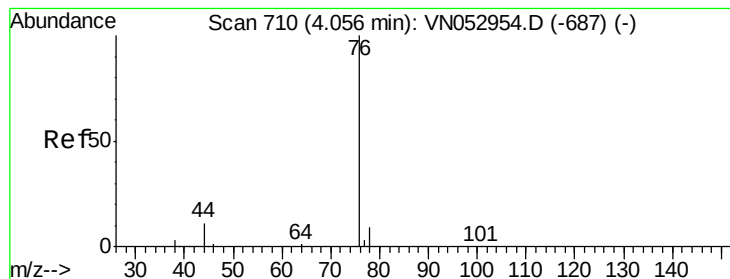
Delta R.T. 0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Tgt Ion:	43	Resp:	244154
Ion	Ratio	Lower	Upper
43	100		
58	34.1	25.4	38.0





#17

Carbon Disulfide

Concen: 19.123 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tgt Ion: 76 Resp: 700751

Ion Ratio Lower Upper

76 100

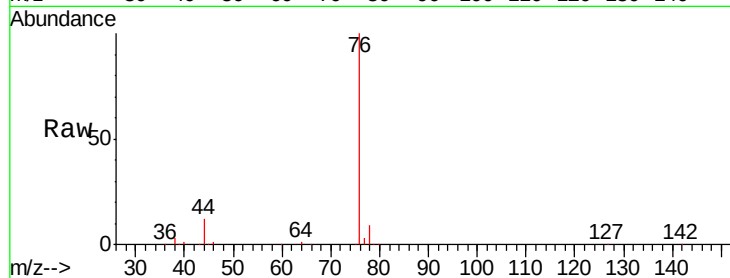
78 8.9 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

250000

200000

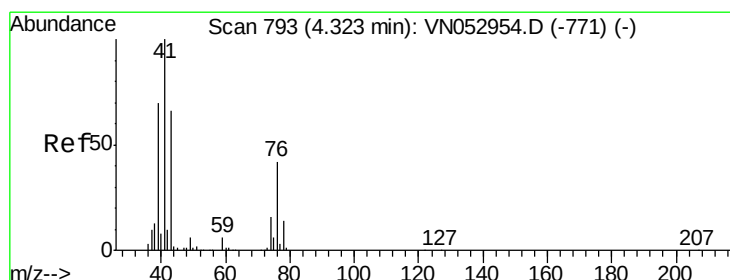
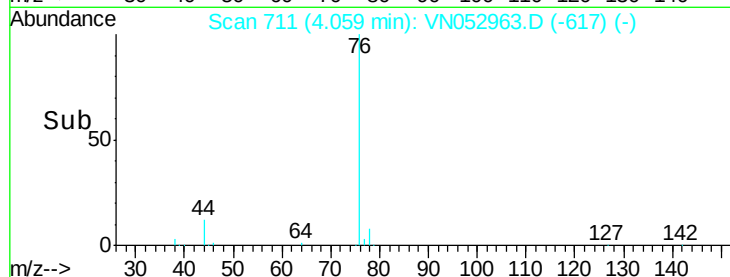
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.409 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN052963.D

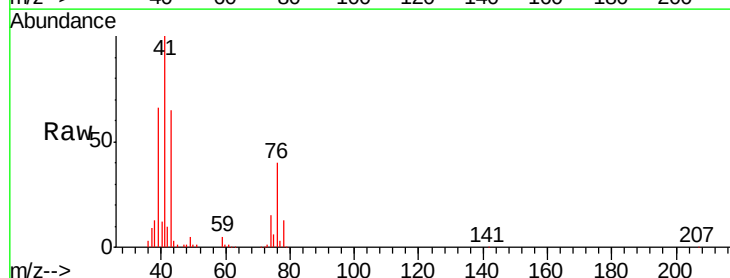
Acq: 18 Dec 2018 16:11

Tgt Ion: 43 Resp: 210903

Ion Ratio Lower Upper

43 100

74 25.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

80000

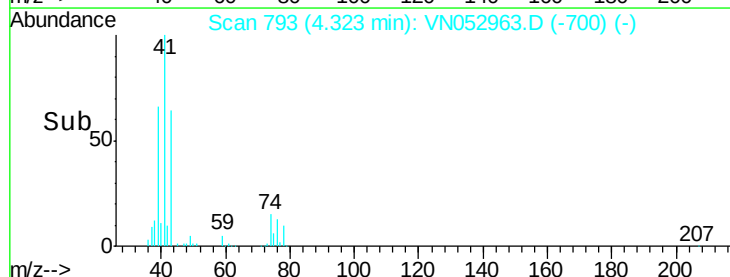
60000

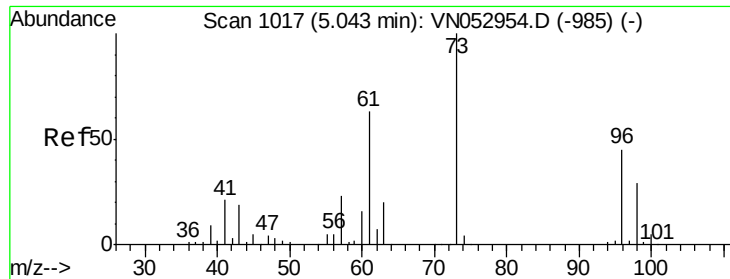
40000

20000

0

Time-->





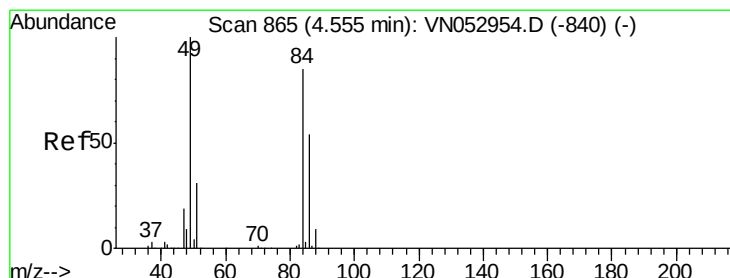
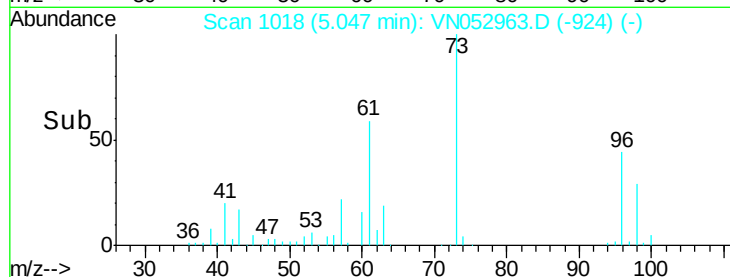
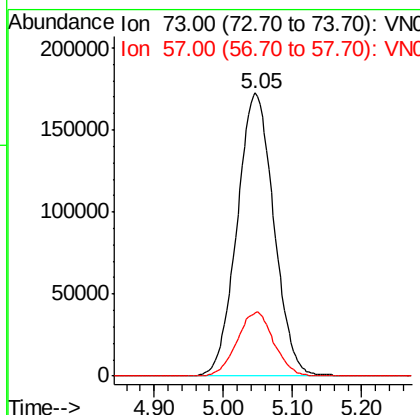
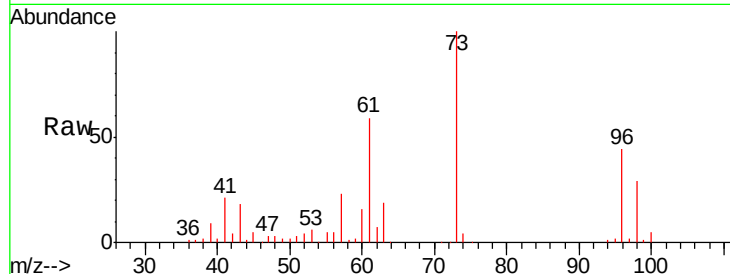
#19
Methyl tert-butyl Ether
Concen: 21.145 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tgt Ion: 73 Resp: 635832
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6

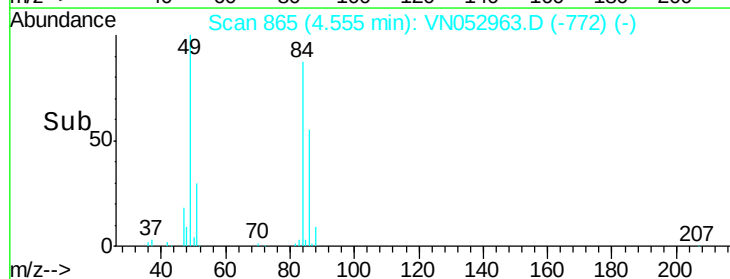
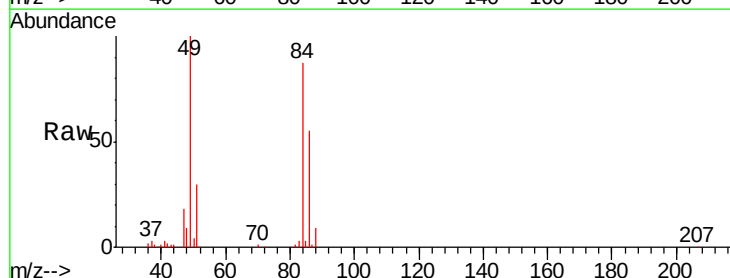
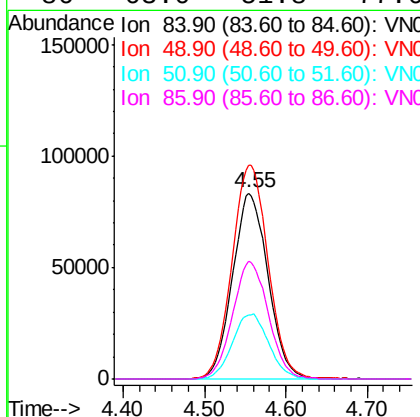
Manual Integrations
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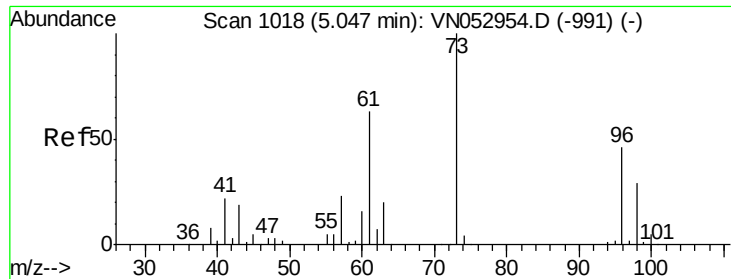
MMDadoda
12/19/2018 12:06:49 PM



#20
Methylene Chloride
Concen: 19.651 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Tgt Ion: 84 Resp: 251436
Ion Ratio Lower Upper
84 100
49 114.7 96.8 145.2
51 34.3 29.9 44.9
86 63.0 51.8 77.6





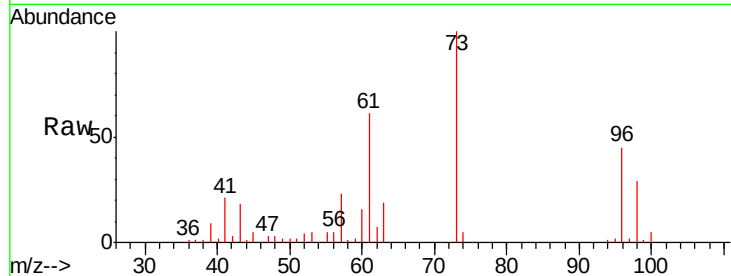
#21
trans-1,2-Dichloroethene
Concen: 20.351 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.8	110.8	166.2
98	64.1	51.4	77.2

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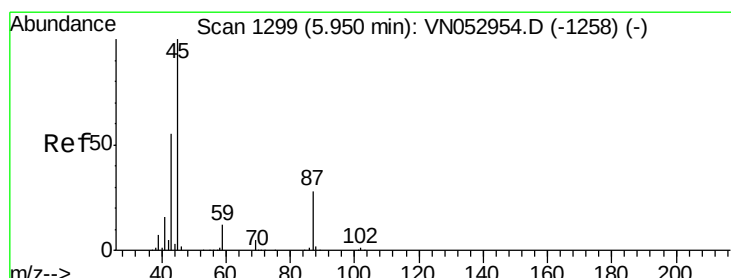
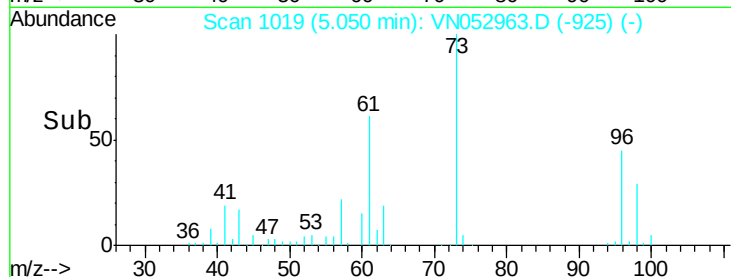
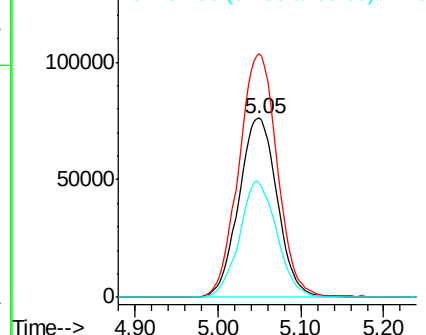


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 20.910 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.0	45.5	68.3
87	29.0	22.0	33.0
59	12.5	9.4	14.0

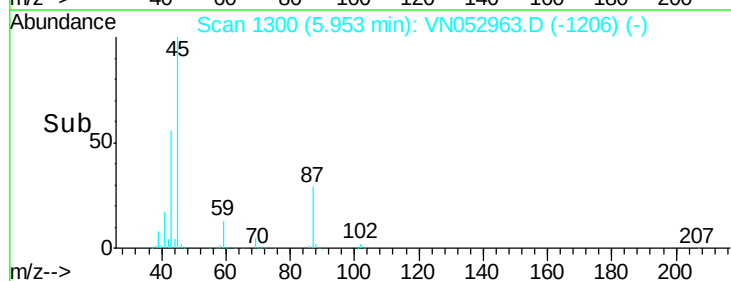
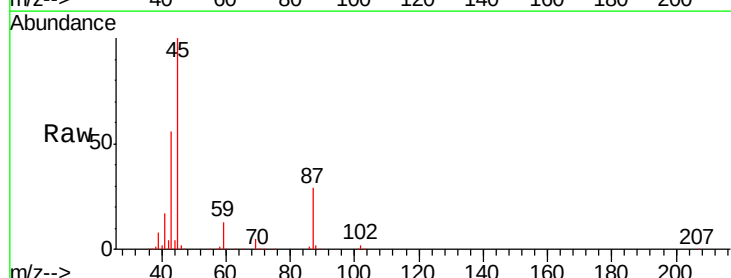
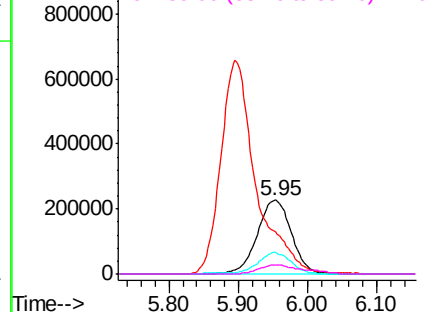
Abundance

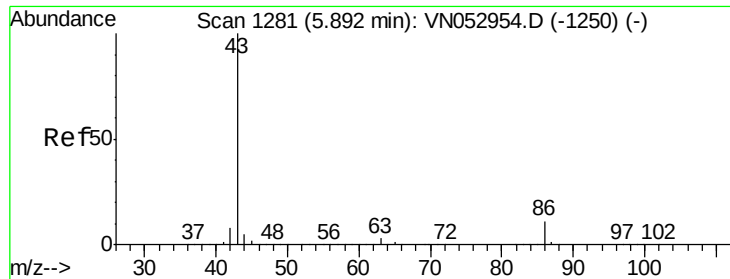
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





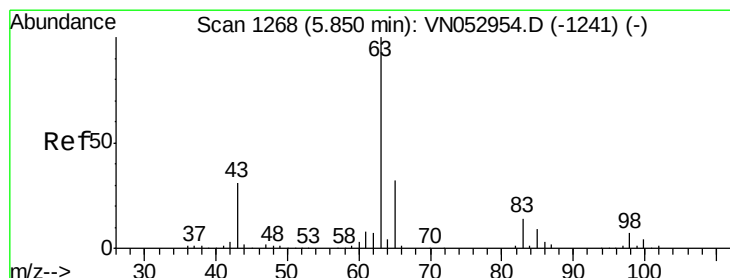
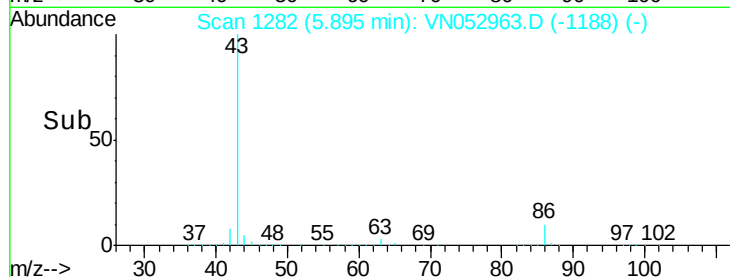
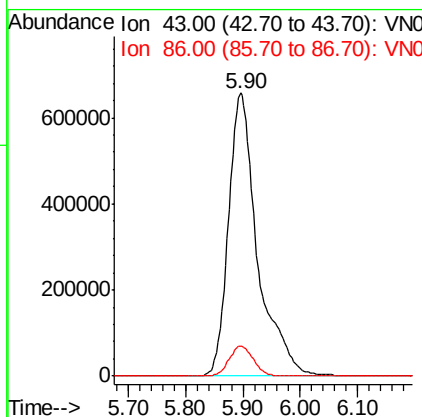
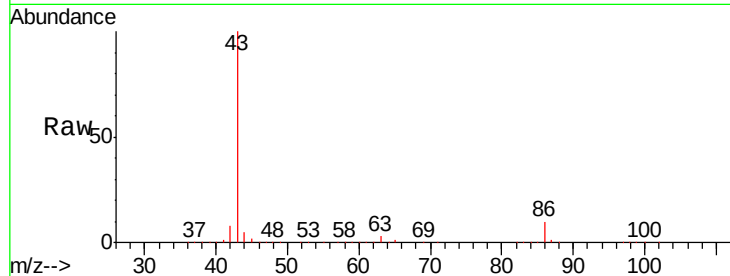
#23
 Vinyl Acetate
 Concen: 108.307 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Tgt Ion: 43 Resp: 2313744
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.1 12.1

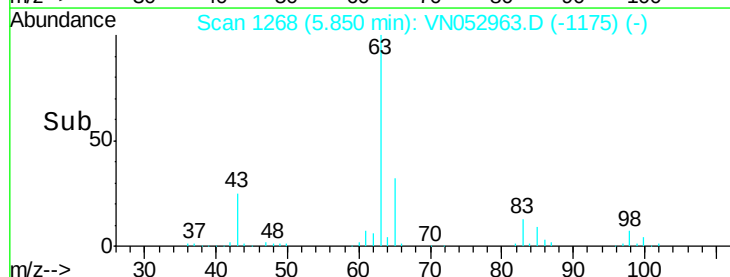
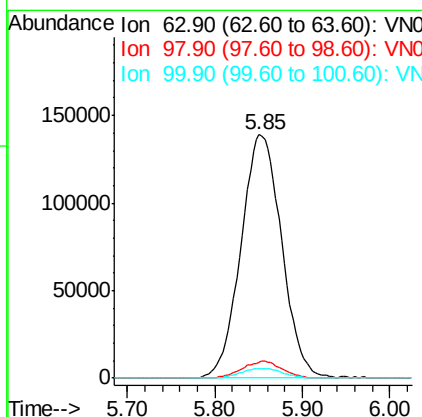
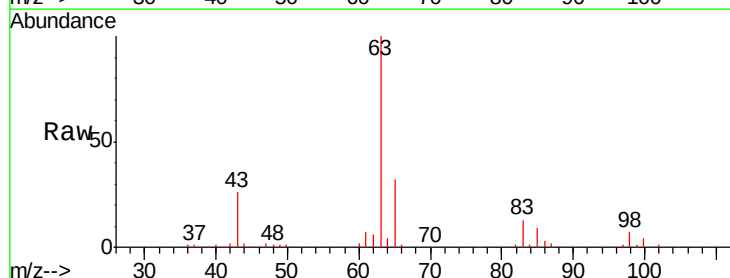
Manual Integrations
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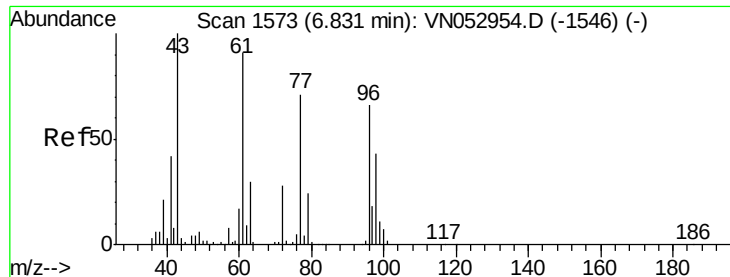
MMDadoda
 12/19/2018 12:06:49 PM



#24
 1,1-Dichloroethane
 Concen: 20.308 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Tgt Ion: 63 Resp: 448317
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.1 9.4
 100 3.9 2.0 5.8





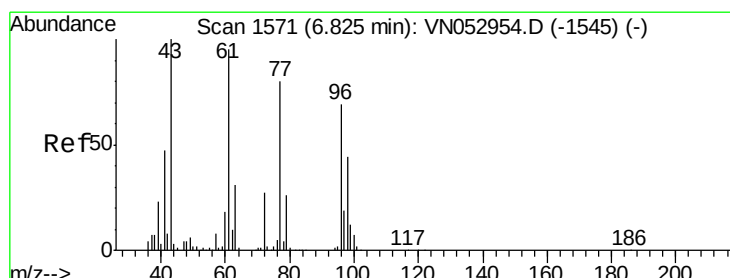
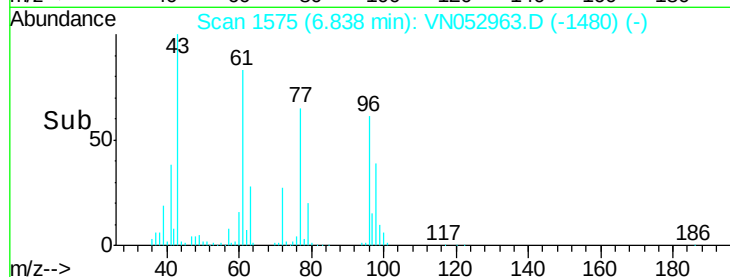
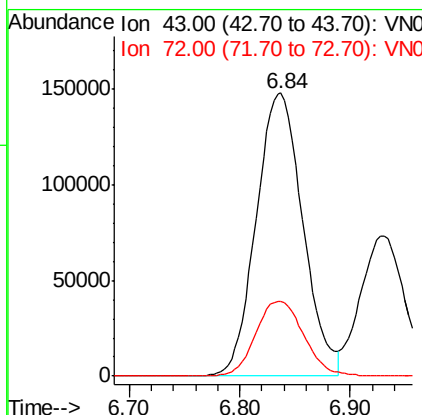
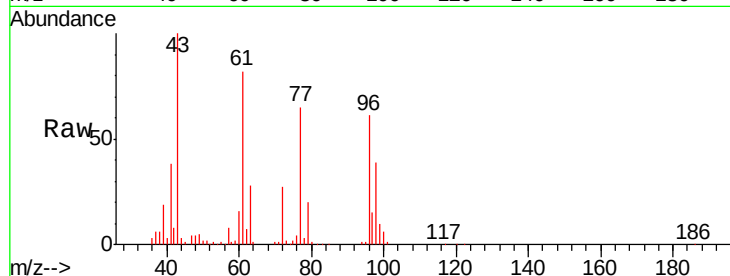
#25
2-Butanone
Concen: 109.607 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tgt Ion: 43 Resp: 431478
Ion Ratio Lower Upper
43 100
72 26.6 21.0 31.6

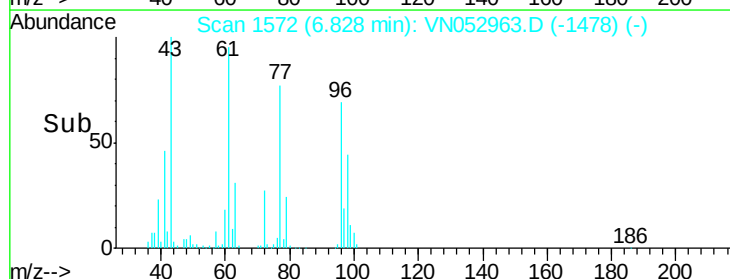
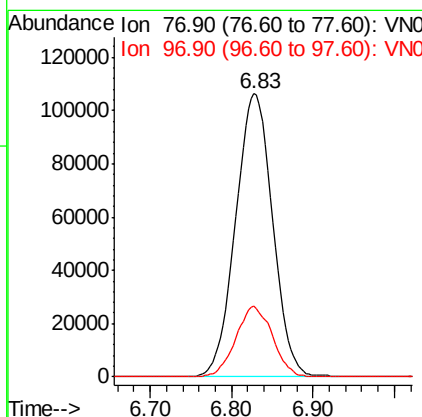
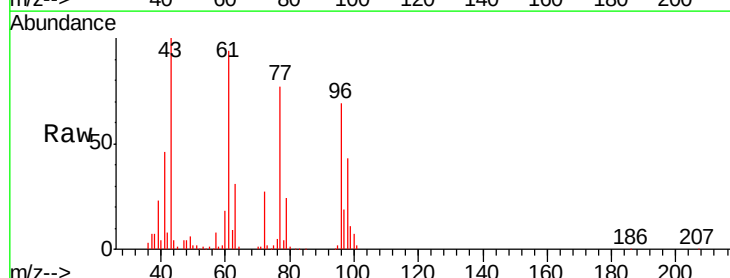
Manual Integrations
APPROVED

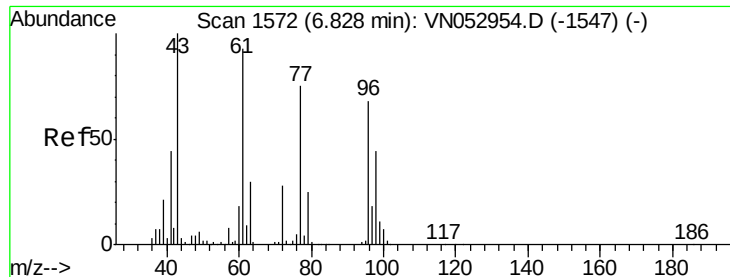
MMDadoda
12/19/2018 12:06:49 PM



#26
2,2-Dichloropropane
Concen: 19.840 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Tgt Ion: 77 Resp: 334339
Ion Ratio Lower Upper
77 100
97 24.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.438 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

MSVOA_N

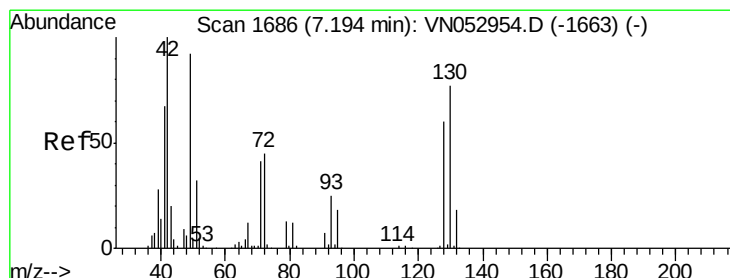
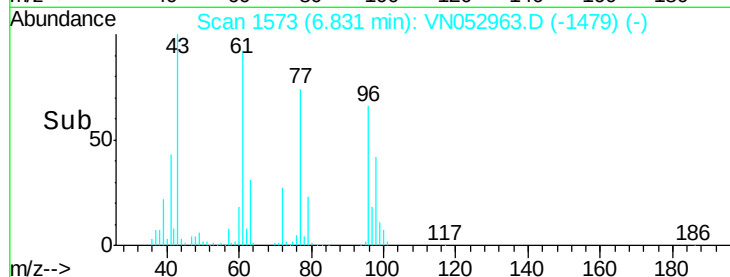
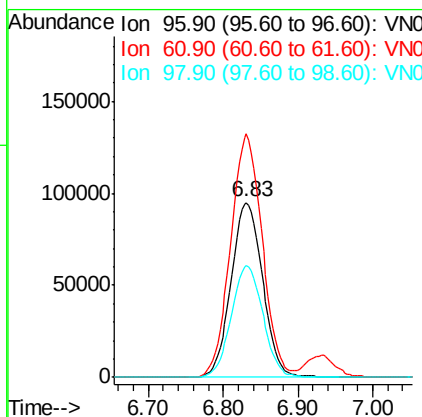
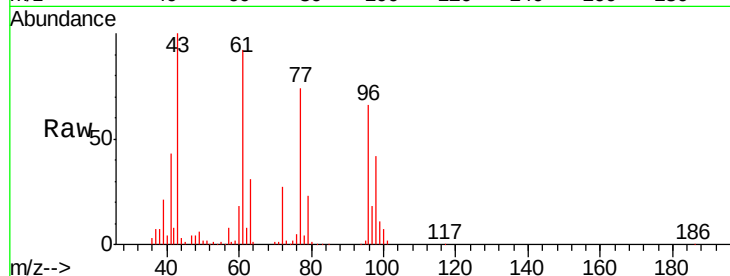
ClientSampleId :

VN1218MBS01

Tgt Ion:	96	Resp:	279333
Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	284.2
98	64.0	0.0	129.2

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#28

Bromochloromethane

Concen: 22.545 ug/l

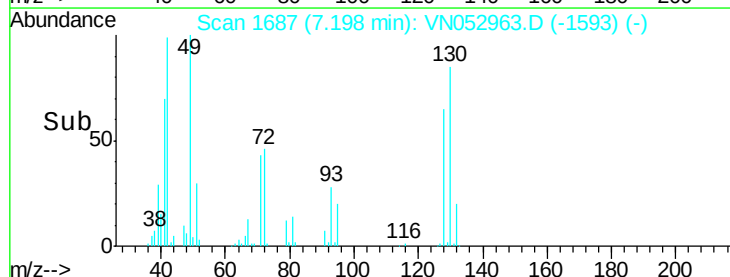
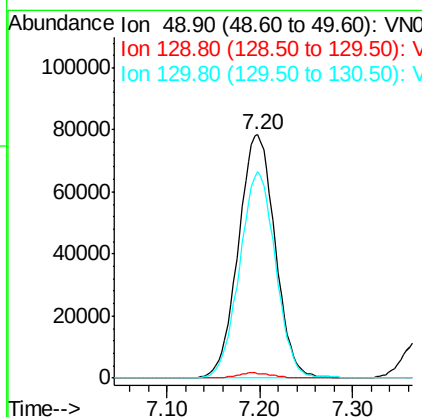
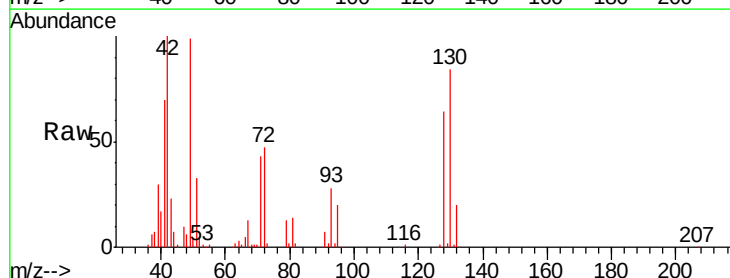
RT: 7.20 min Scan# 1687

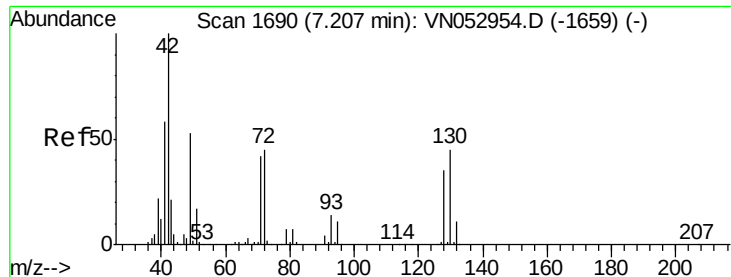
Delta R.T. 0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Tgt Ion:	49	Resp:	215668
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	83.0	63.3	94.9





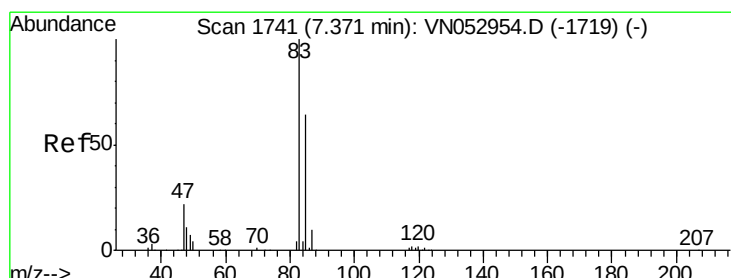
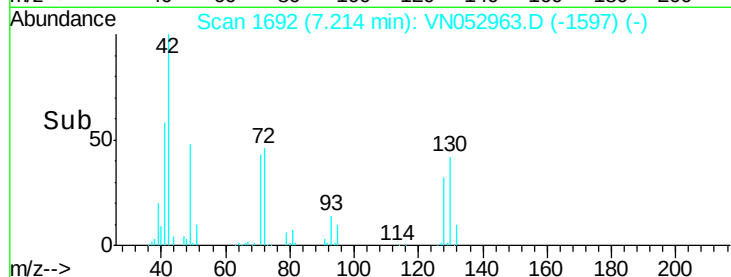
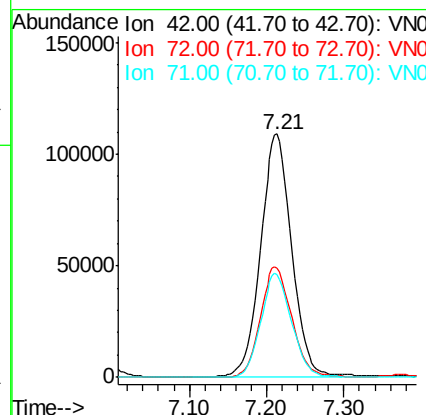
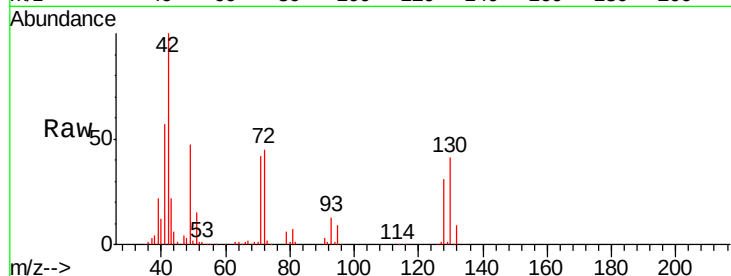
#29
Tetrahydrofuran
Concen: 103.878 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.7	34.7	52.1
71	42.3	32.3	48.5

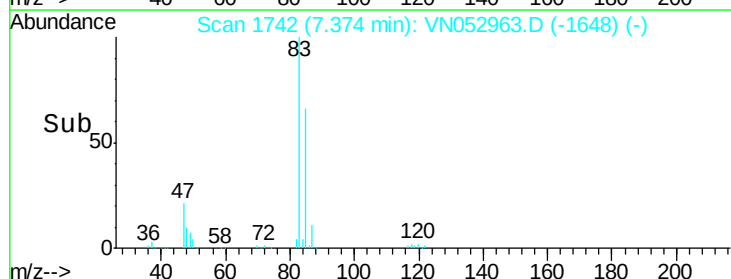
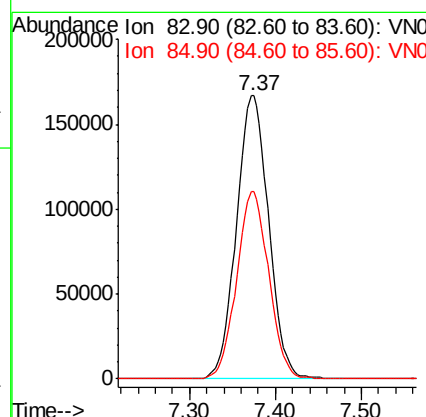
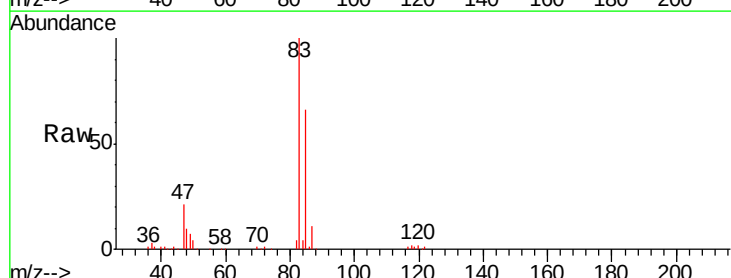
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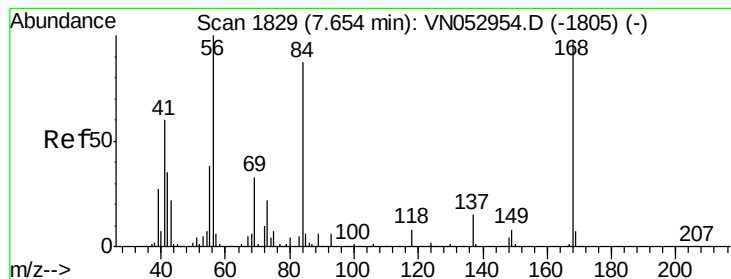
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#30
Chloroform
Concen: 20.035 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.1	78.1





#31

Cyclohexane

Concen: 20.396 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tgt Ion: 56 Resp: 435170
Ion Ratio Lower Upper

56 100

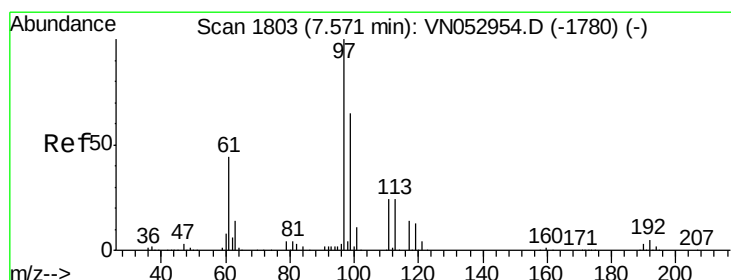
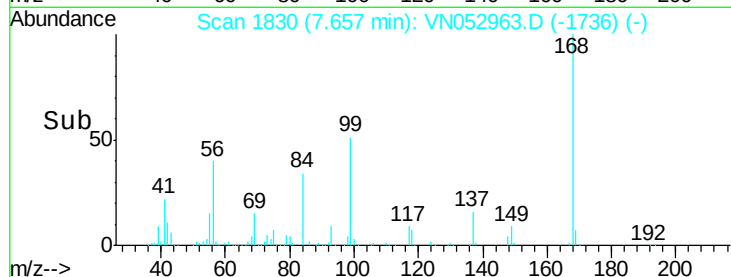
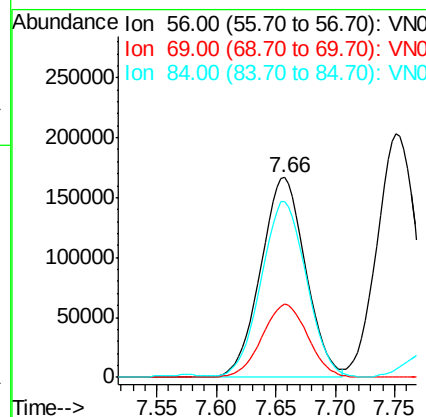
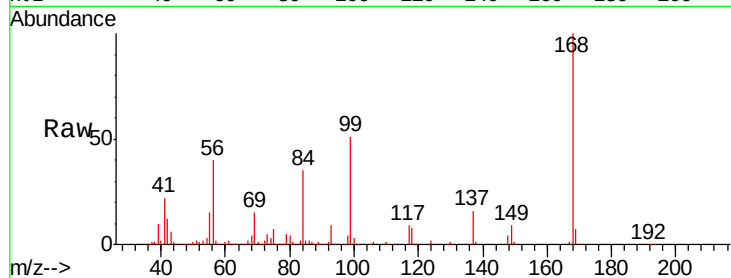
69 36.5 26.6 39.8

84 87.1 68.4 102.6

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#32

1,1,1-Trichloroethane

Concen: 20.150 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052963.D

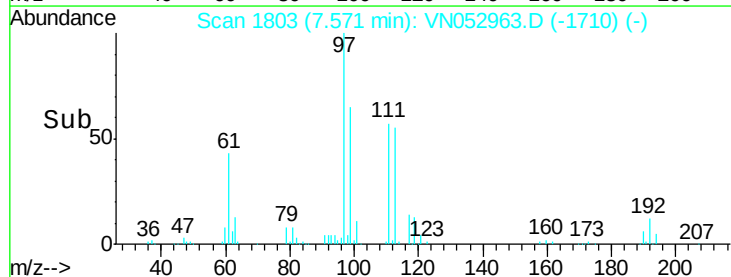
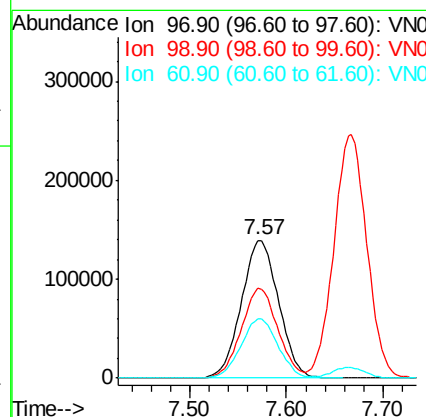
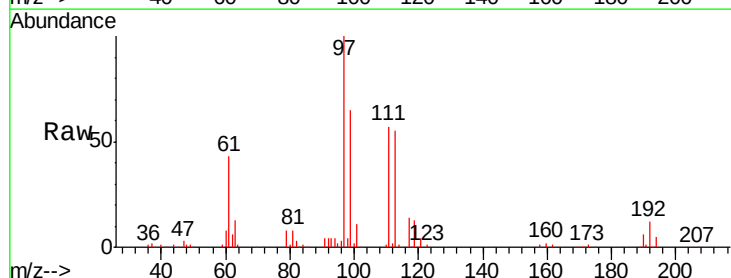
Acq: 18 Dec 2018 16:11

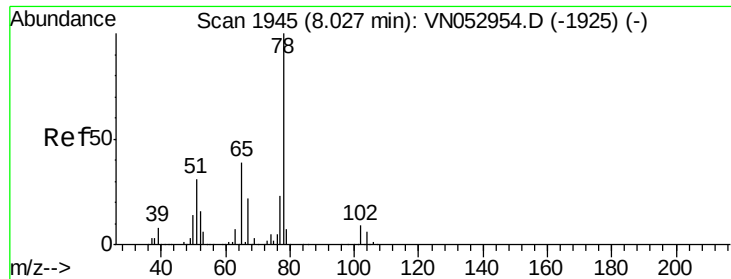
Tgt Ion: 97 Resp: 372253
Ion Ratio Lower Upper

97 100

99 64.0 51.1 76.7

61 43.0 35.0 52.6





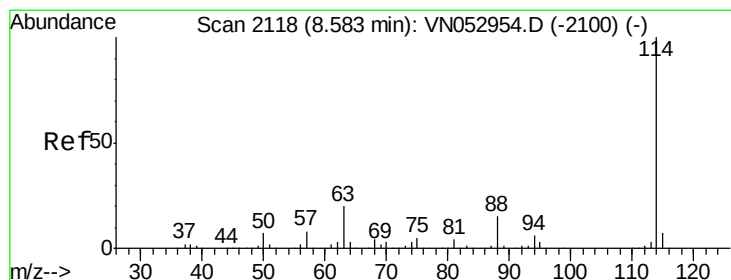
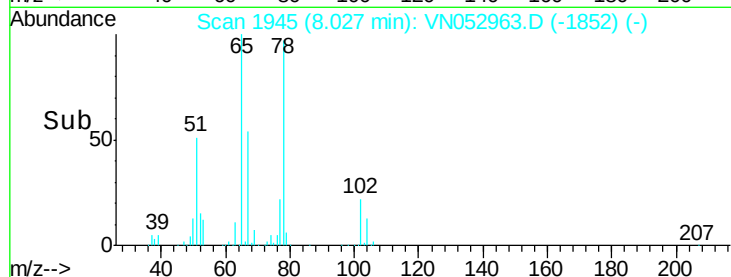
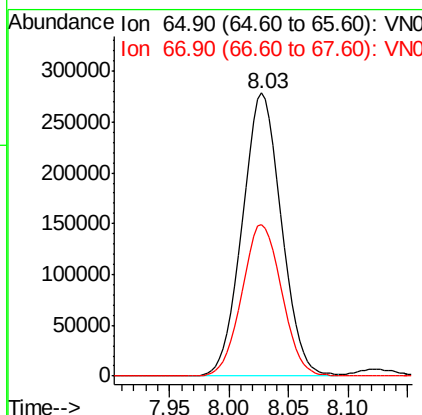
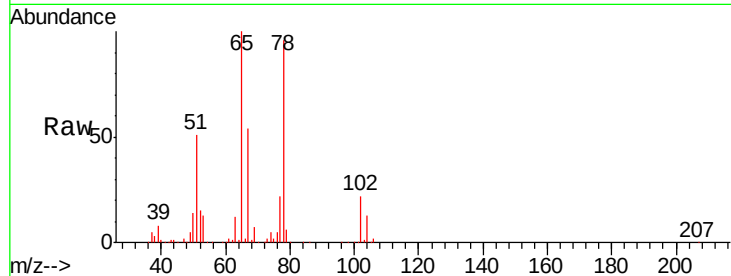
#33
 1,2-Dichloroethane-d4
 Concen: 20.150 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Tgt Ion: 65 Resp: 635274
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.4

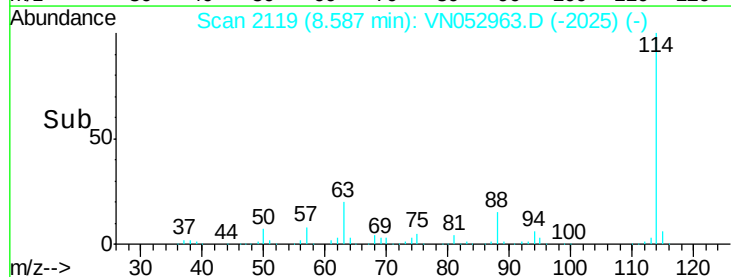
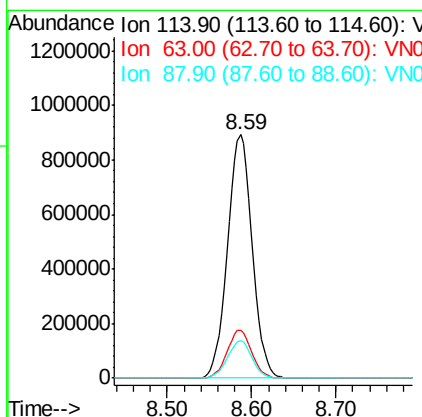
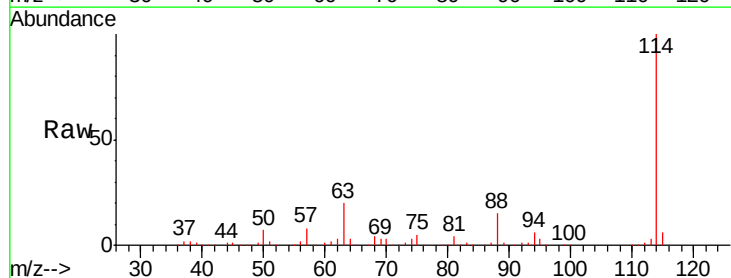
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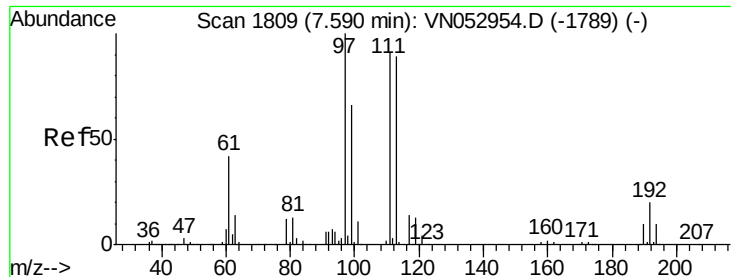
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Tgt Ion: 114 Resp: 1809126
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.2 0.0 31.0





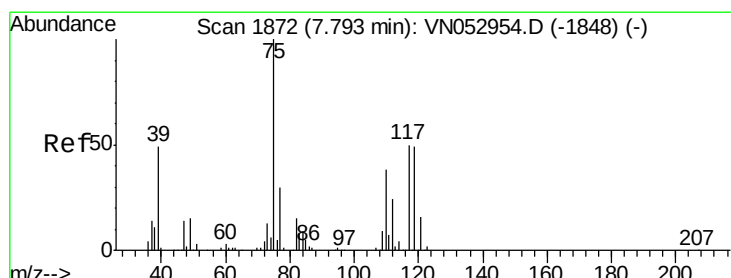
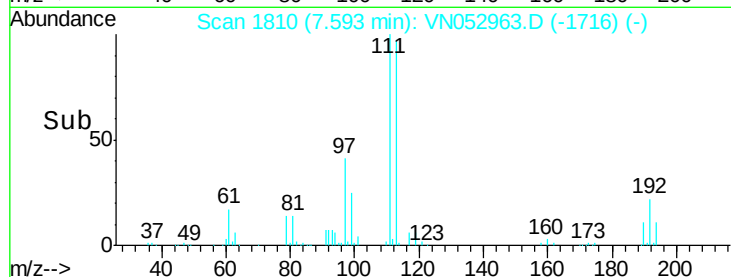
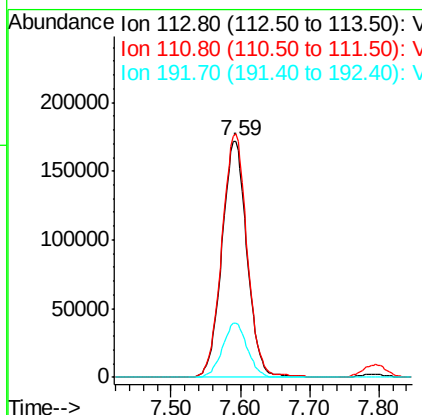
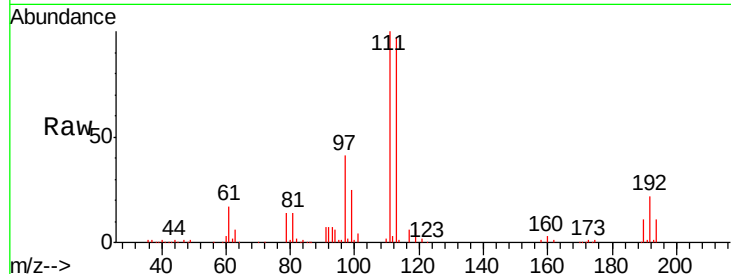
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	434490		
111	102.3	83.0	124.4	
192	22.6	17.5	26.3	

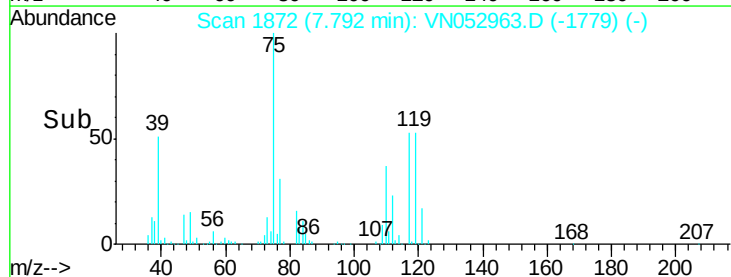
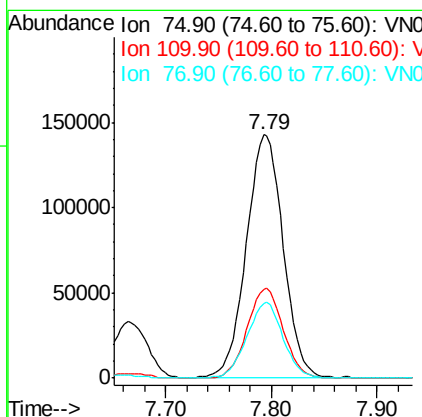
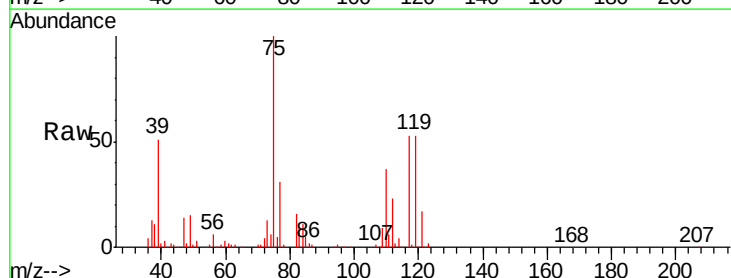
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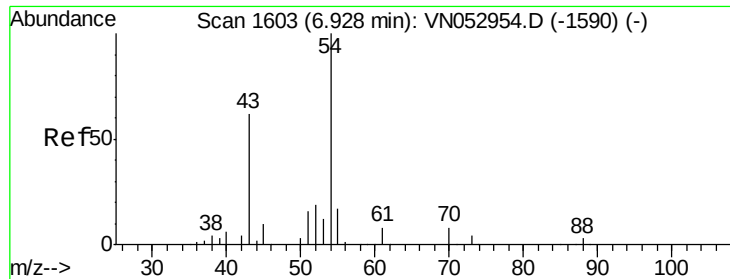
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#36
 1,1-Dichloropropene
 Concen: 19.846 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	344609		
110	36.4	18.2	54.6	
77	30.9	24.9	37.3	





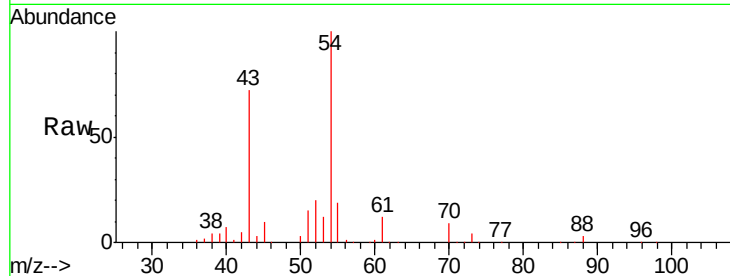
#37
Ethyl Acetate
Concen: 21.783 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

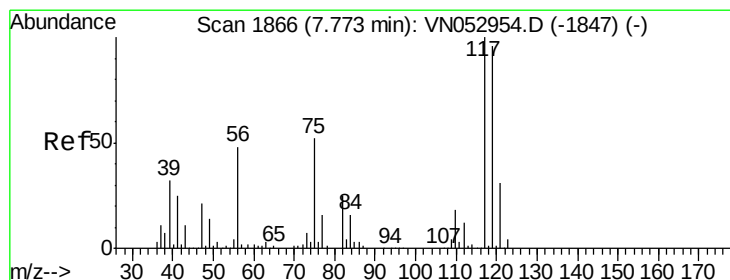
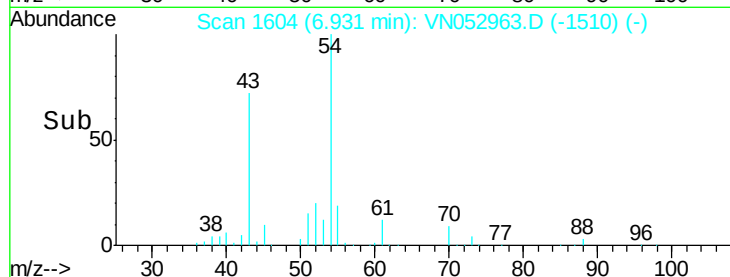
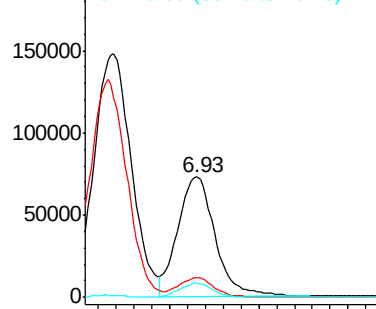
Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.6
70	10.9	8.4	12.6

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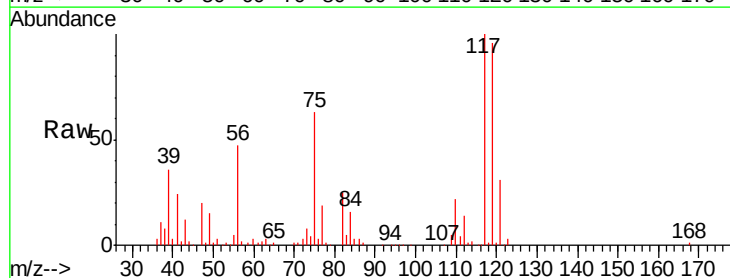


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1590) (-)

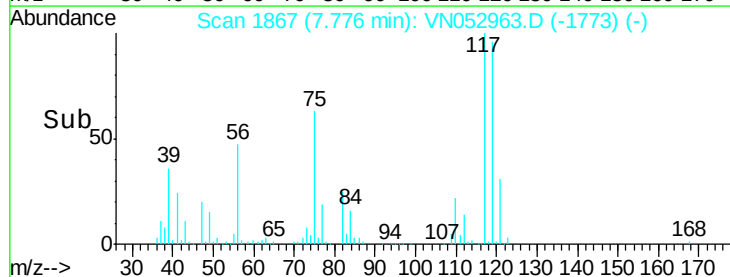
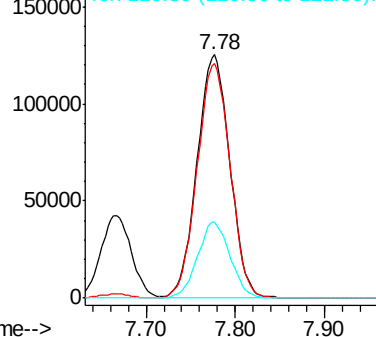


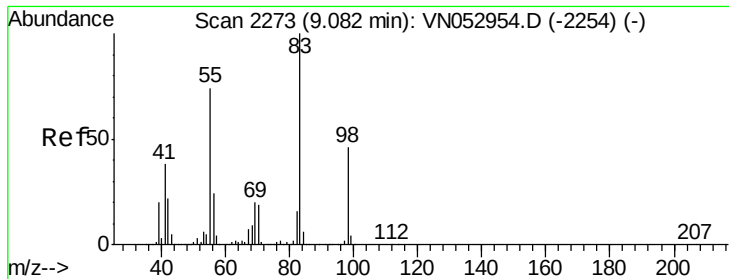
#38
Carbon Tetrachloride
Concen: 20.025 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.1	115.7
121	31.0	24.9	37.3



Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-1847) (-)





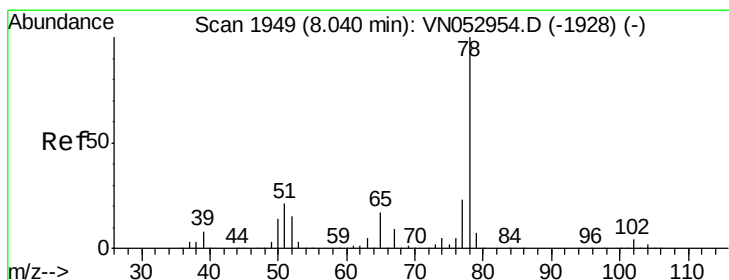
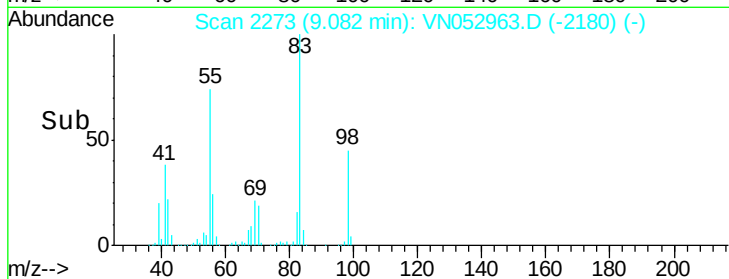
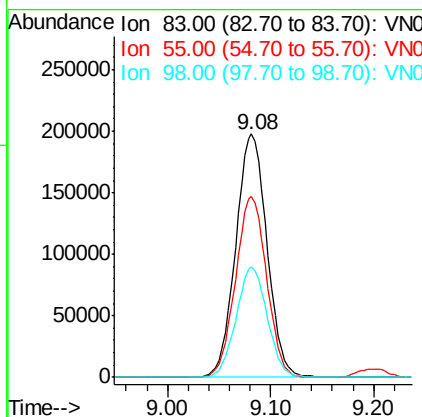
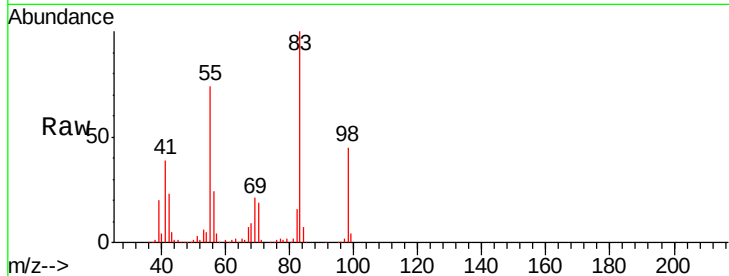
#39
Methylcyclohexane
Concen: 19.690 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.2	61.3	91.9
98	45.3	37.0	55.4

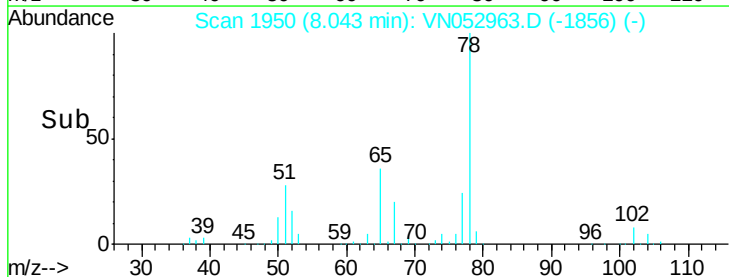
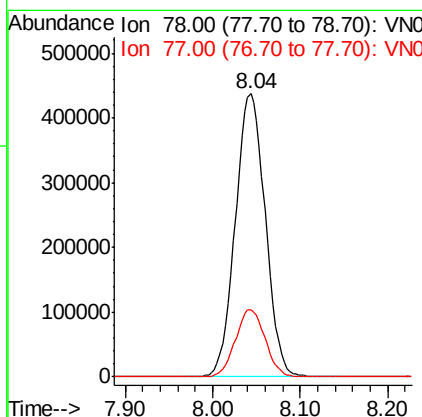
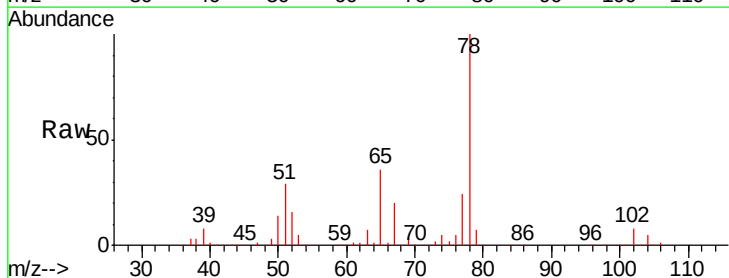
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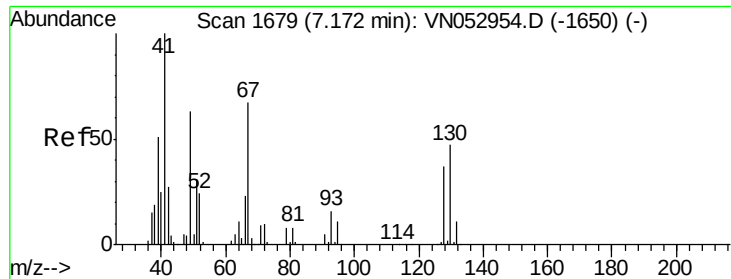
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#40
Benzene
Concen: 20.127 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.5	27.7





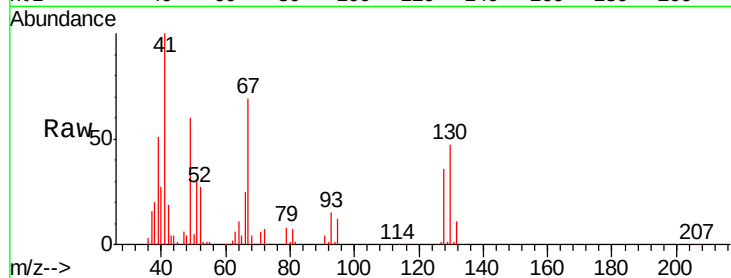
#41
Methacrylonitrile
Concen: 21.355 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

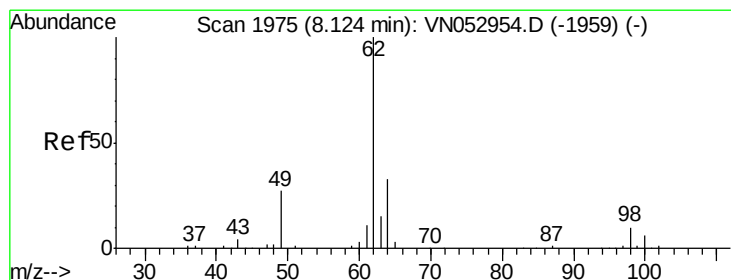
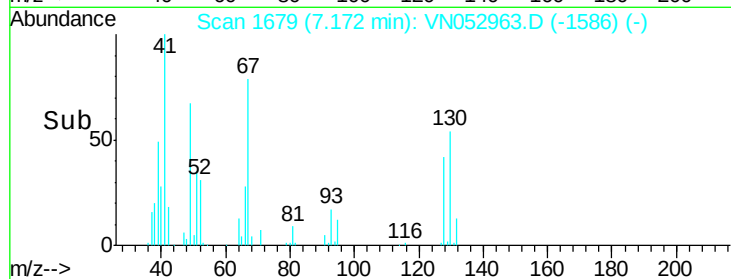
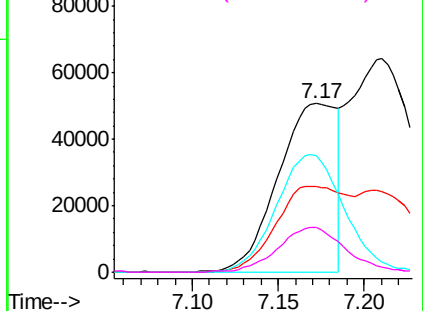
Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.6	48.0	72.0
67	82.5	70.3	105.5
52	31.0	26.9	40.3

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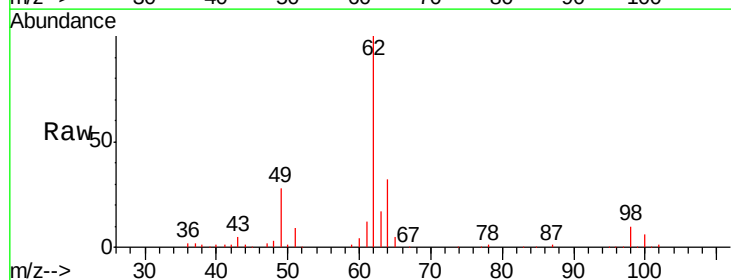


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

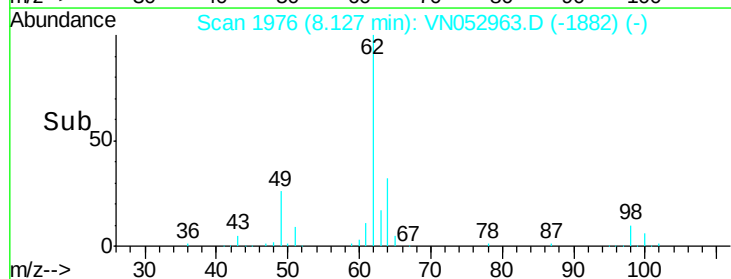
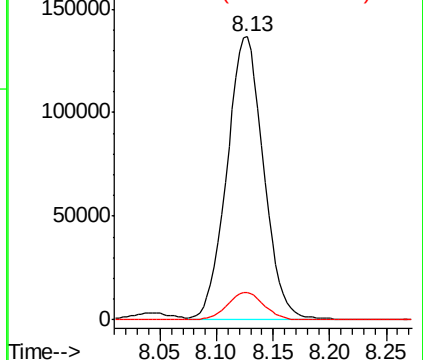


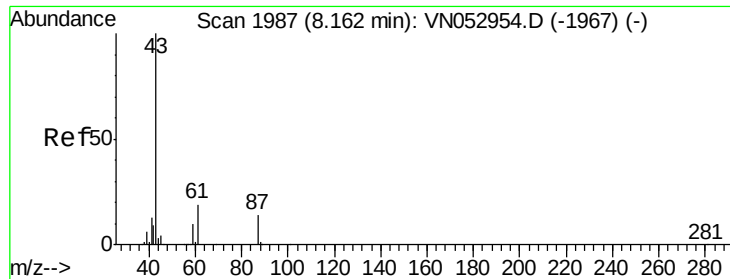
#42
1,2-Dichloroethane
Concen: 20.086 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.722 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

MSVOA_N

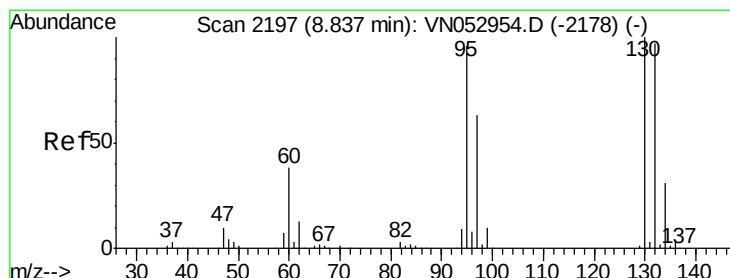
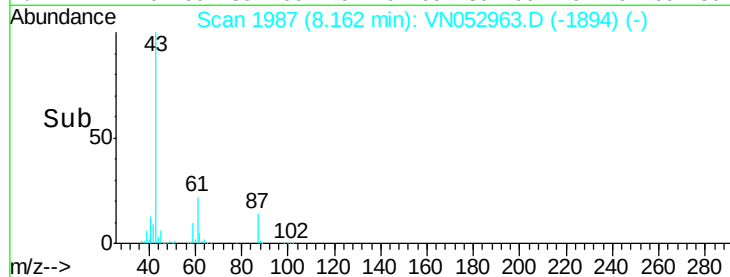
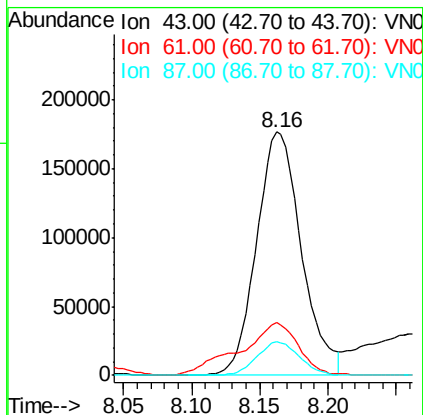
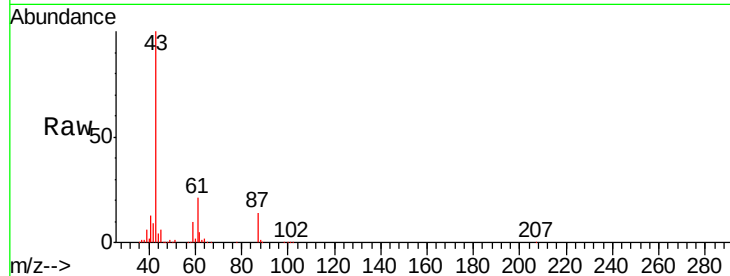
ClientSampleId :

VN1218MBS01

Tgt Ion:	43	Resp:	400202
Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.9	34.3
87	13.2	10.6	15.8

Manual Integrations
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#44

Trichloroethene

Concen: 19.576 ug/l

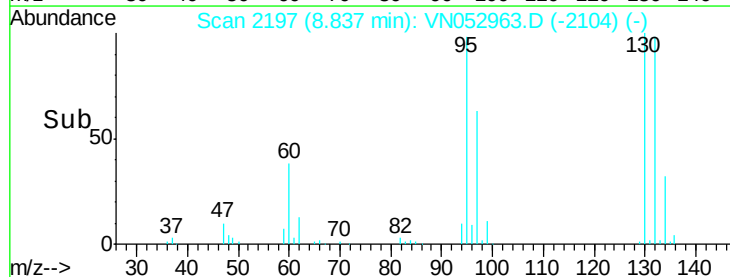
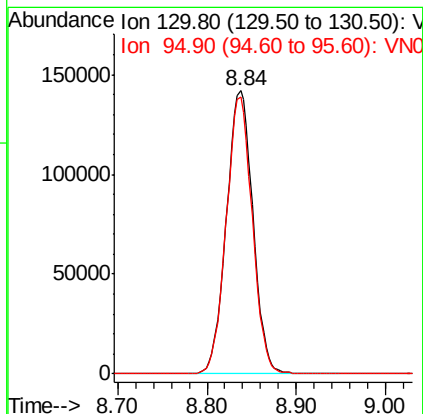
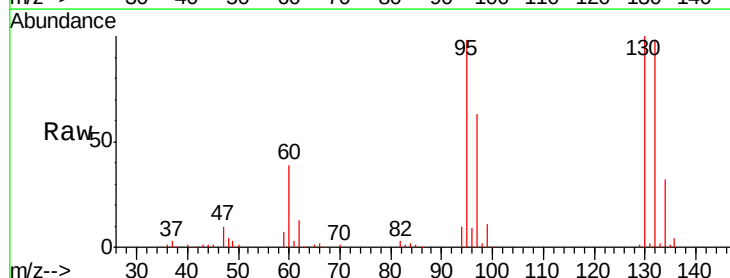
RT: 8.84 min Scan# 2197

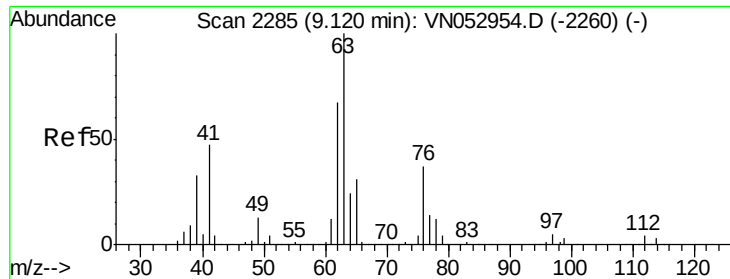
Delta R.T. -0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Tgt Ion:	130	Resp:	292449
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	197.8





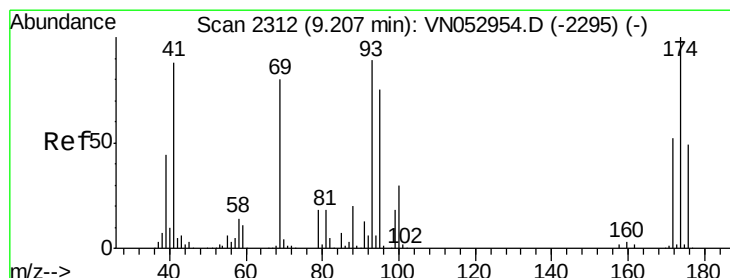
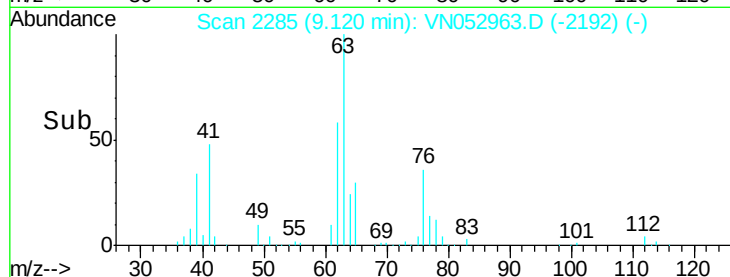
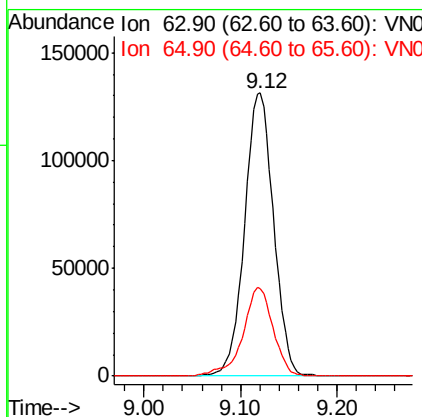
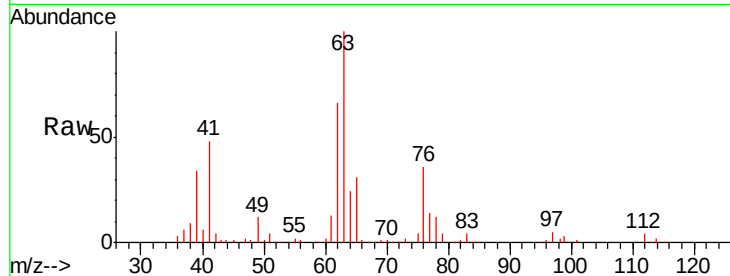
#45
 1,2-Dichloropropane
 Concen: 20.341 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Tgt Ion: 63 Resp: 273657
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 37.0

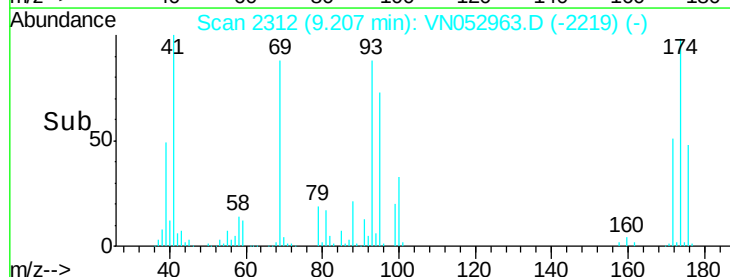
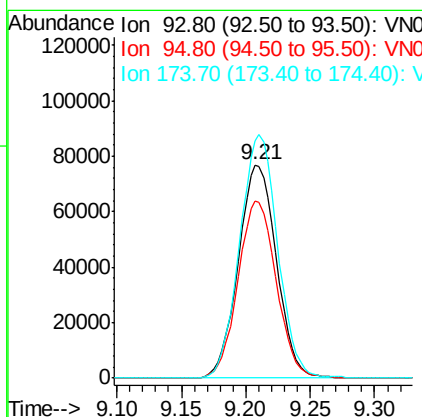
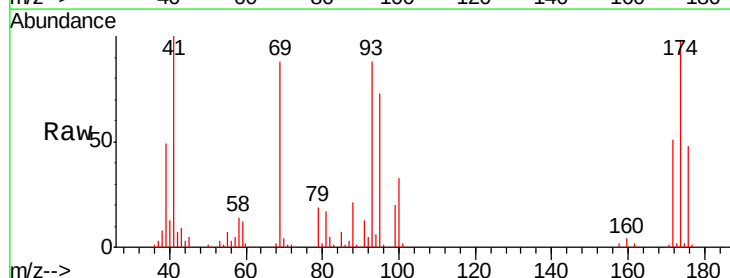
Manual Integrations
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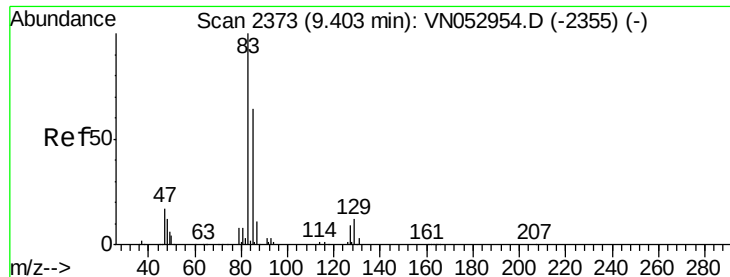
MMDadoda
 12/19/2018 12:06:49 PM



#46
 Dibromomethane
 Concen: 20.232 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Tgt Ion: 93 Resp: 158560
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.8 101.6
 174 114.0 89.0 133.4





#47

Bromodichloromethane

Concen: 20.073 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

MSVOA_N

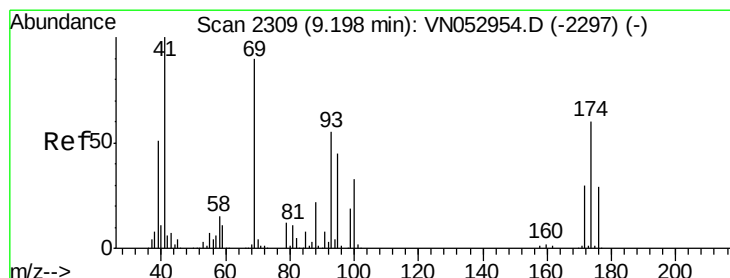
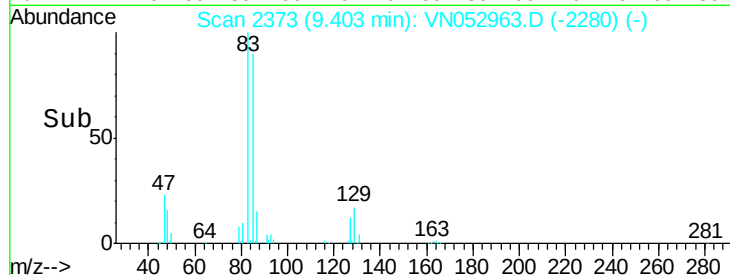
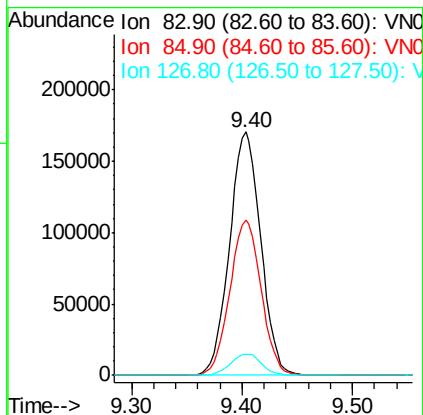
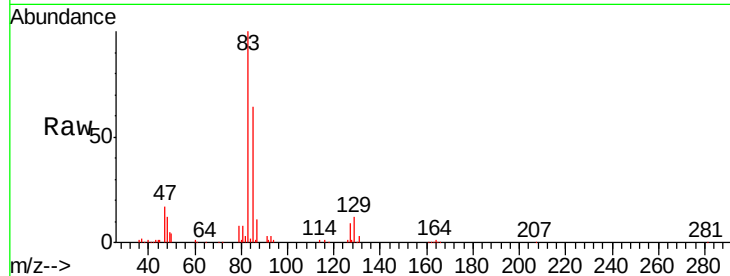
ClientSampleId :

VN1218MBS01

Tgt Ion:	83	Resp:	334407
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.6	77.4
127	8.8	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.687 ug/l

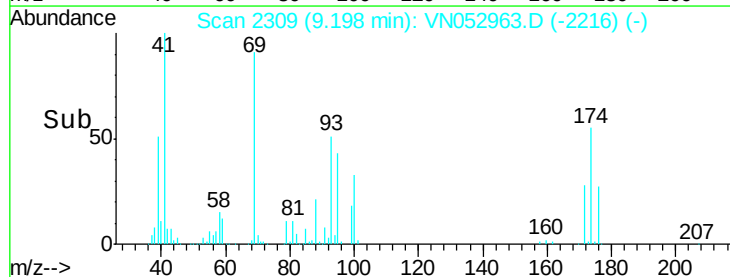
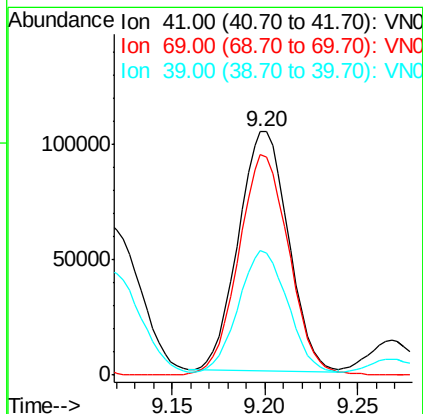
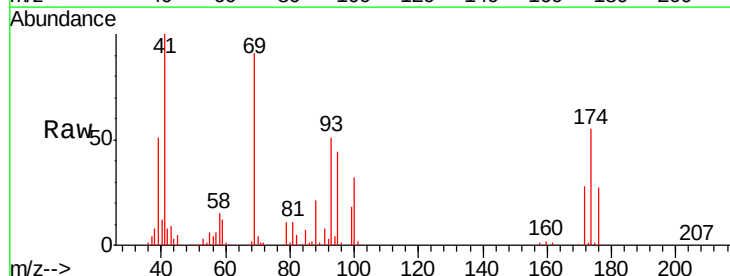
RT: 9.20 min Scan# 2309

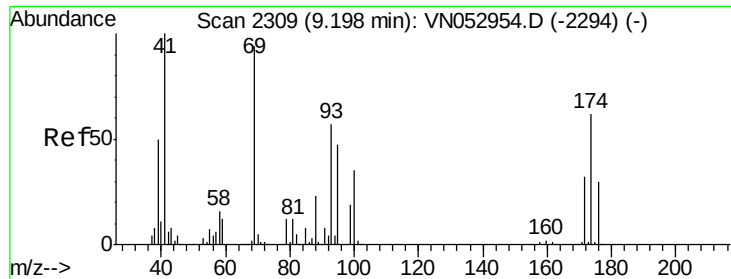
Delta R.T. -0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Tgt Ion:	41	Resp:	194594
Ion Ratio	Lower	Upper	
41	100		
69	93.0	72.2	108.2
39	52.3	41.9	62.9





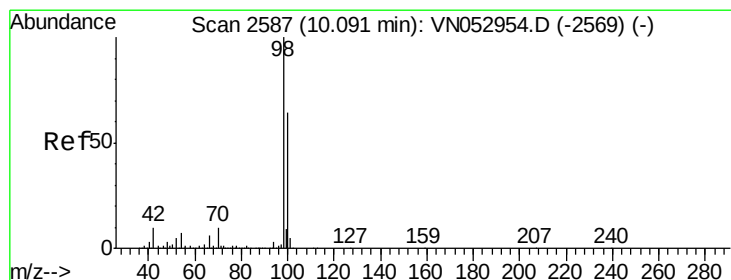
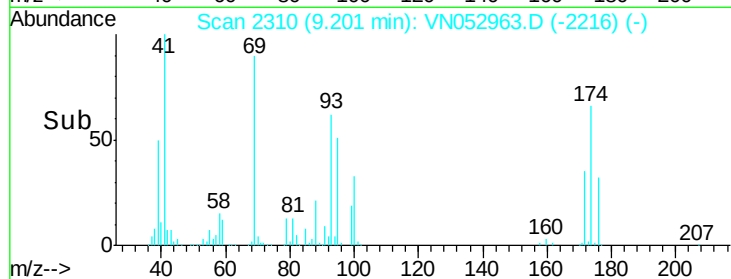
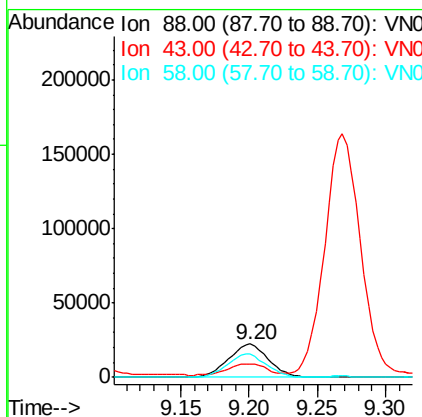
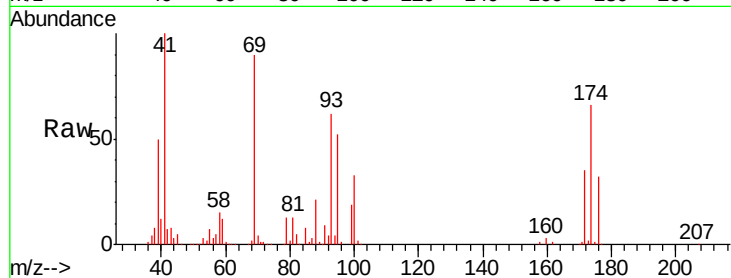
#49
1,4-Dioxane
Concen: 380.602 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.7	26.6	40.0
58	68.8	58.4	87.6

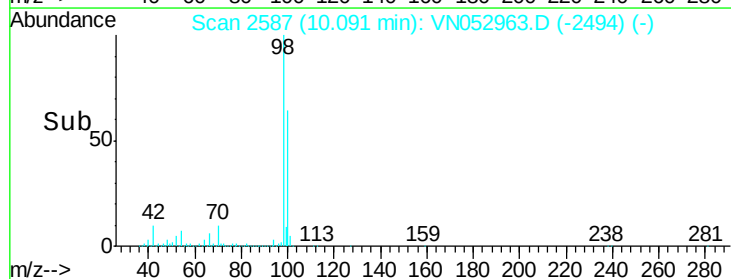
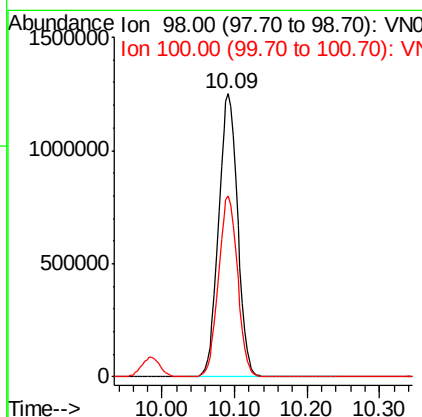
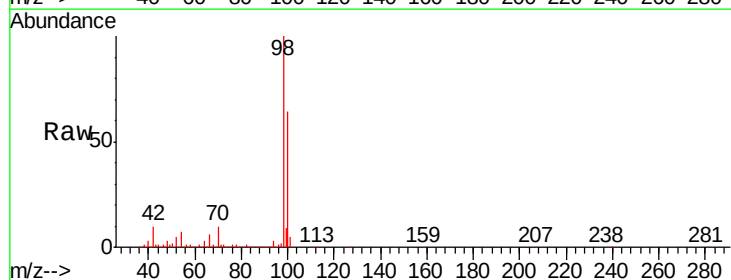
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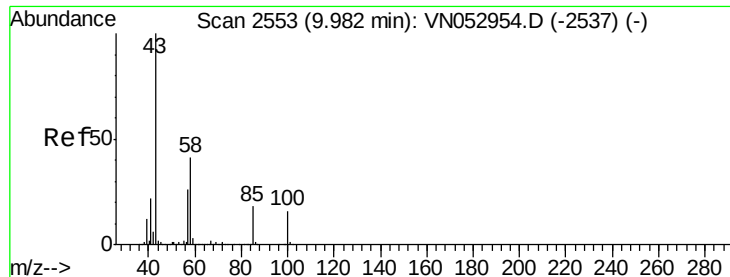
MMDadoda
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#50
Toluene-d8
Concen: 380.602 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





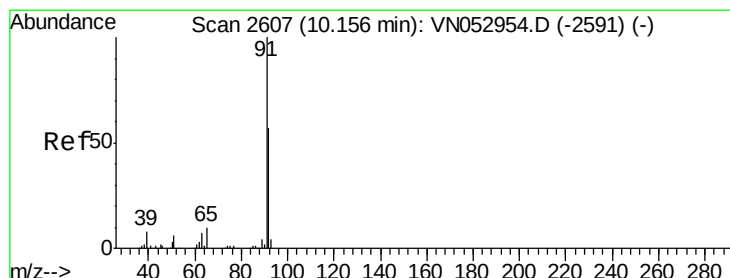
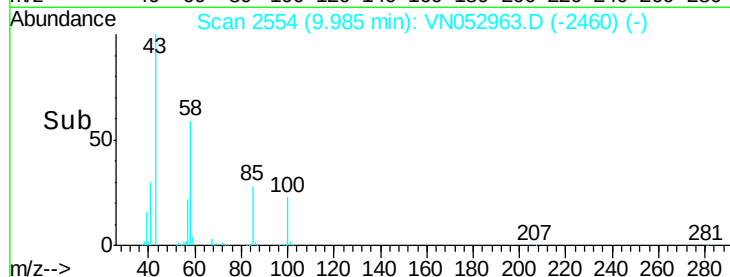
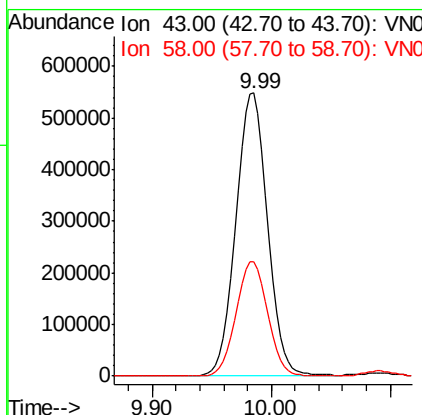
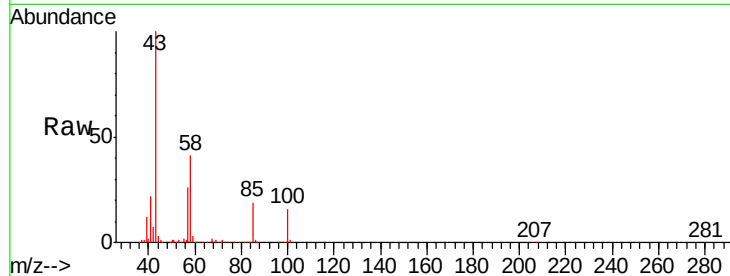
#51
 4-Methyl-2-Pentanone
 Concen: 106.960 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Tgt Ion: 43 Resp: 1004095
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.2 48.4

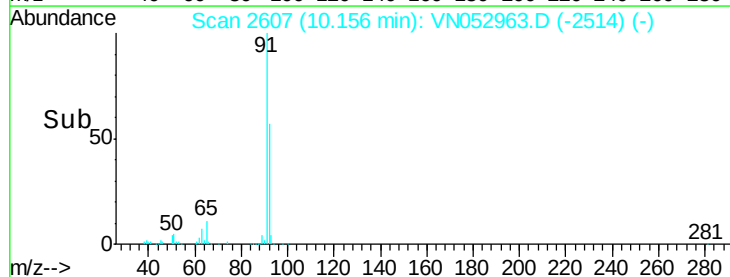
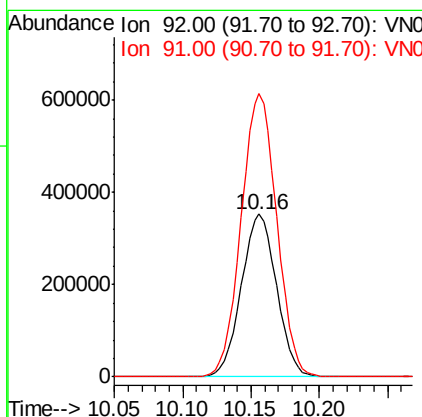
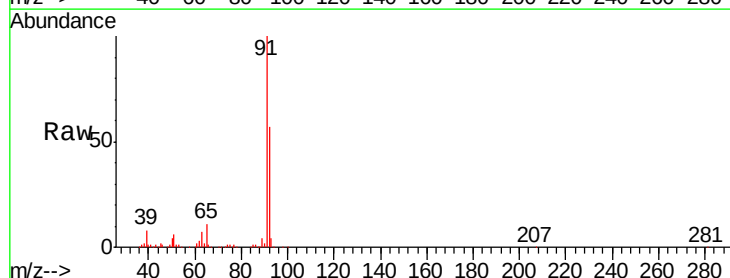
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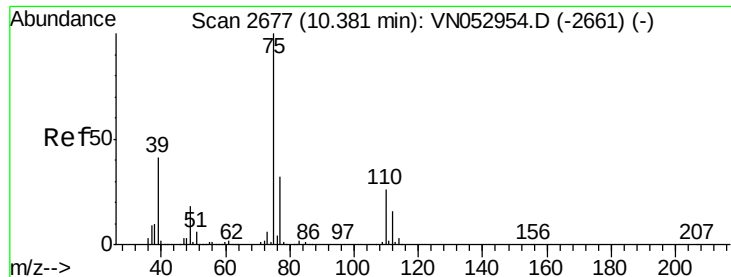
MMDadoda
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#52
 Toluene
 Concen: 19.737 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Tgt Ion: 92 Resp: 631855
 Ion Ratio Lower Upper
 92 100
 91 176.3 139.8 209.6





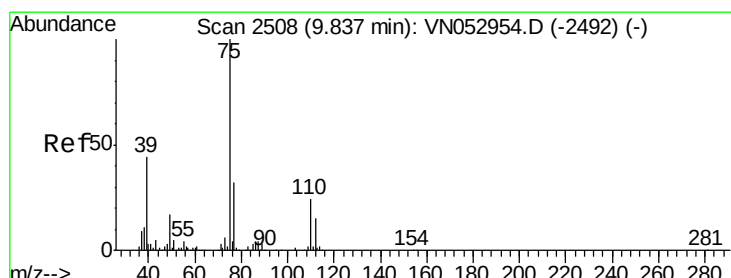
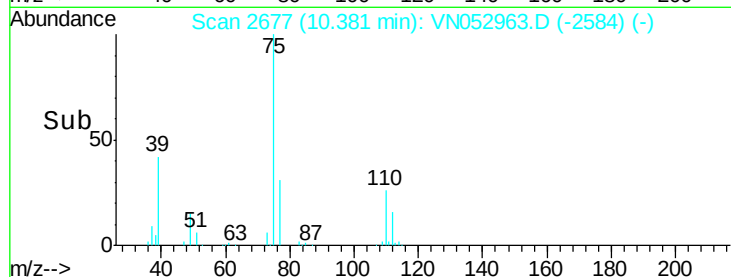
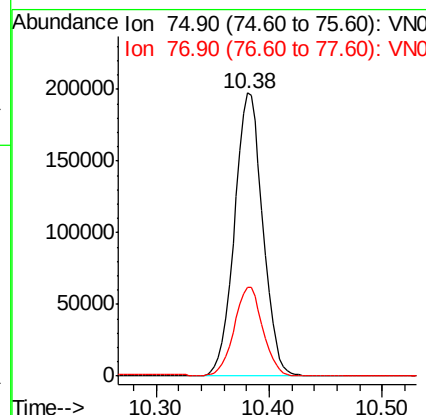
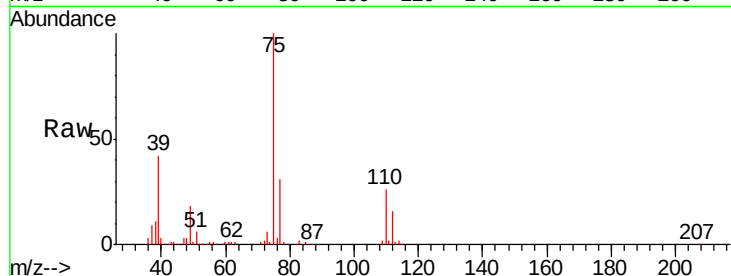
#53
t-1,3-Dichloropropene
Concen: 19.629 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tgt Ion: 75 Resp: 343858
Ion Ratio Lower Upper
75 100
77 31.3 25.6 38.4

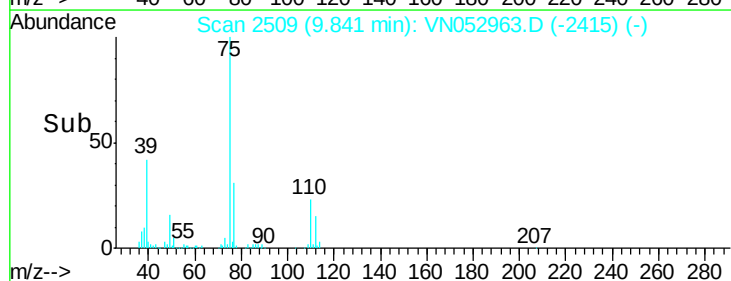
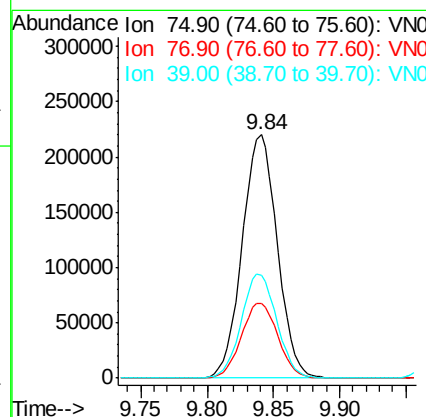
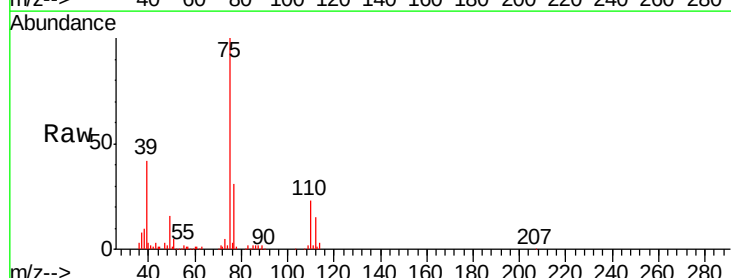
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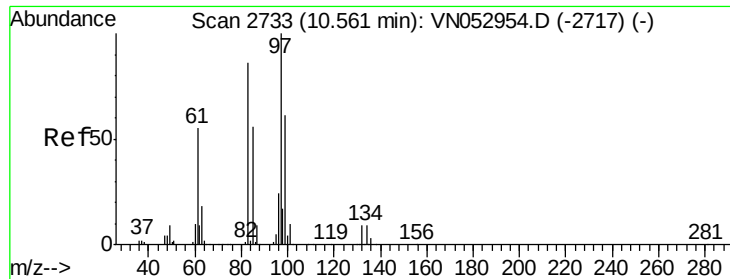
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.117 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Tgt Ion: 75 Resp: 404516
Ion Ratio Lower Upper
75 100
77 30.8 25.8 38.8
39 42.2 34.8 52.2





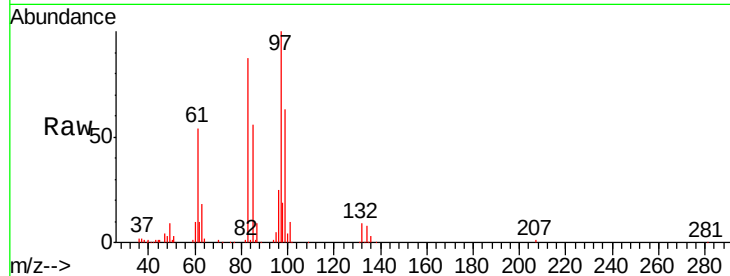
#55
 1,1,2-Trichloroethane
 Concen: 20.269 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.9	106.3
85	56.1	45.4	68.2
99	63.4	50.4	75.6

Manual Integrations
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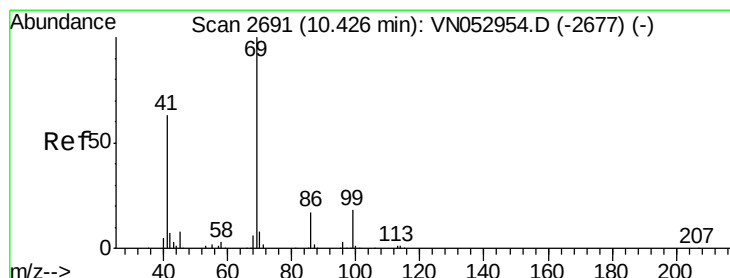
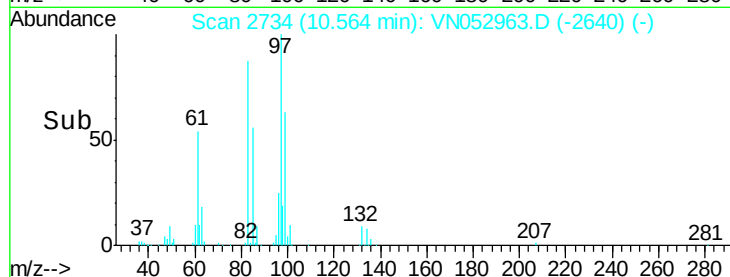
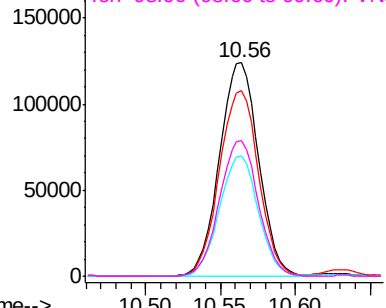


Abundance Ion 96.90 (96.60 to 97.60): VN052963.D (-2640) (-)

Ion 82.90 (82.60 to 83.60): VN052963.D (-2640) (-)

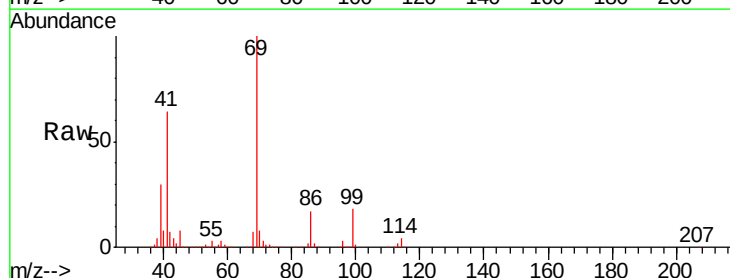
Ion 84.90 (84.60 to 85.60): VN052963.D (-2640) (-)

Ion 98.90 (98.60 to 99.60): VN052963.D (-2640) (-)



#56
 Ethyl methacrylate
 Concen: 20.817 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

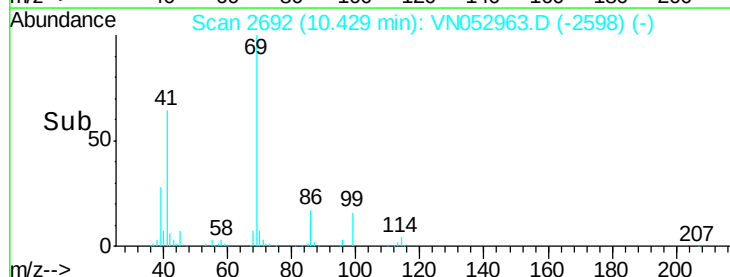
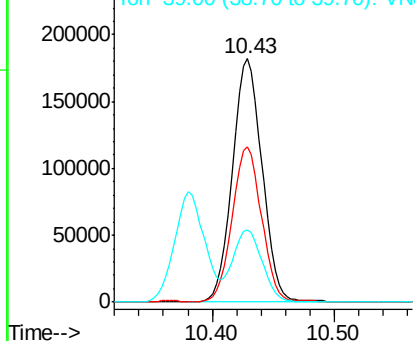
Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.4	51.7	77.5
39	29.6	24.6	37.0

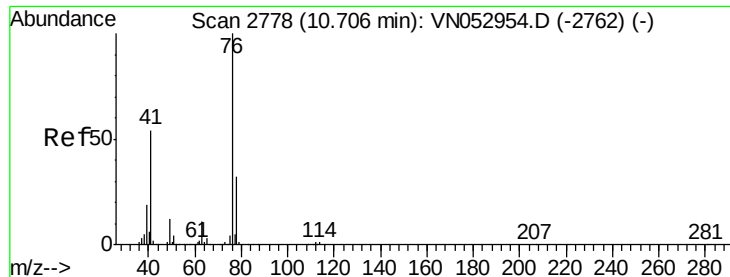


Abundance Ion 69.00 (68.70 to 69.70): VN052963.D (-2598) (-)

Ion 41.00 (40.70 to 41.70): VN052963.D (-2598) (-)

Ion 39.00 (38.70 to 39.70): VN052963.D (-2598) (-)





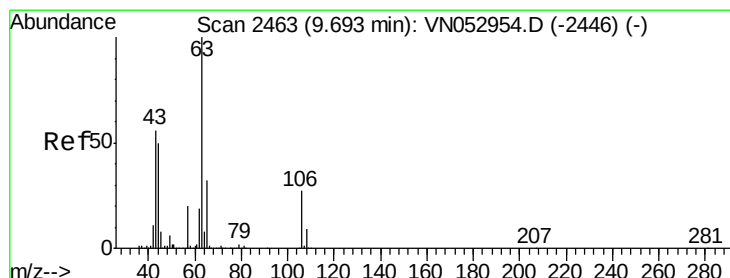
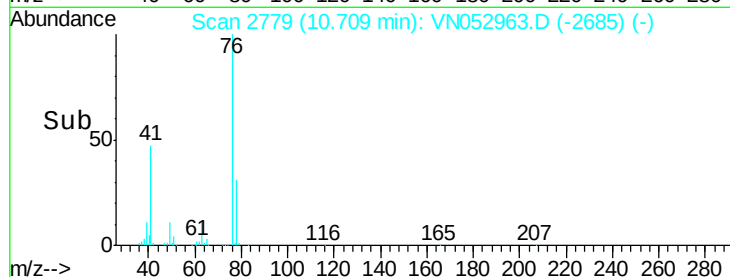
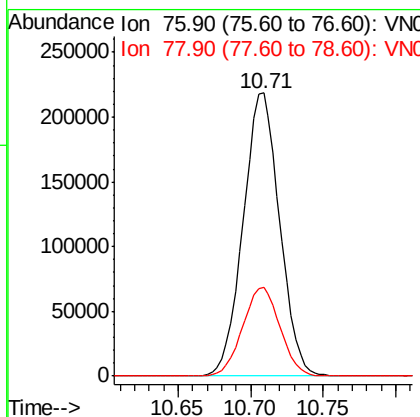
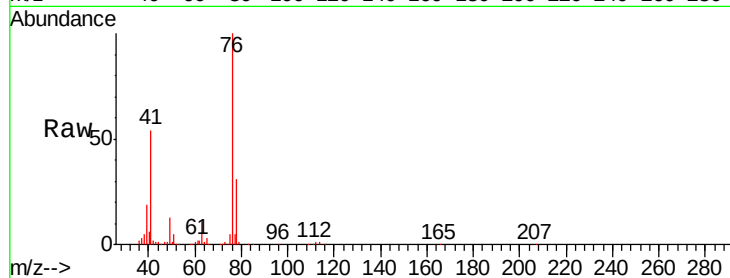
#57
 1,3-Dichloropropane
 Concen: 20.000 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

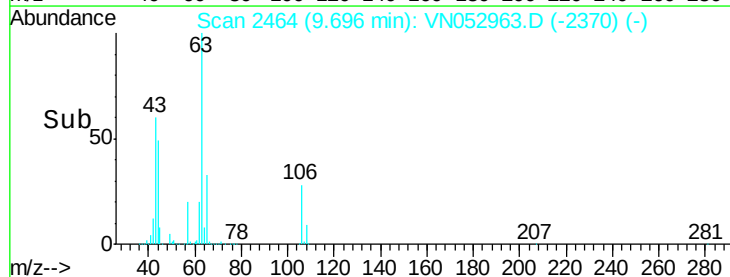
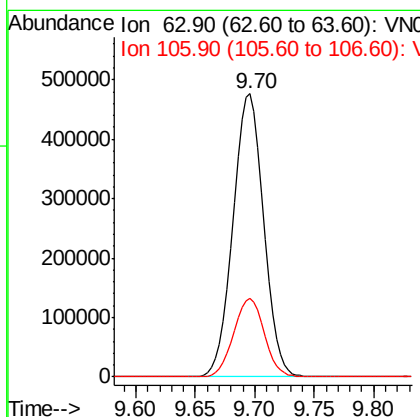
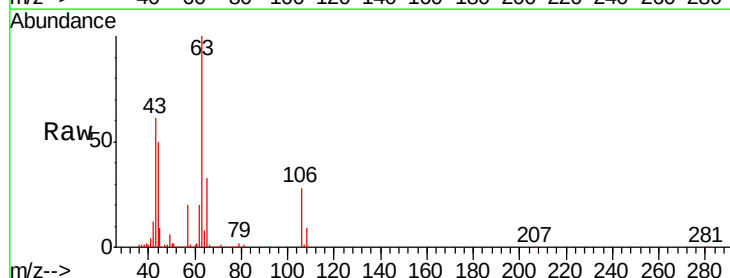
Manual Integrations
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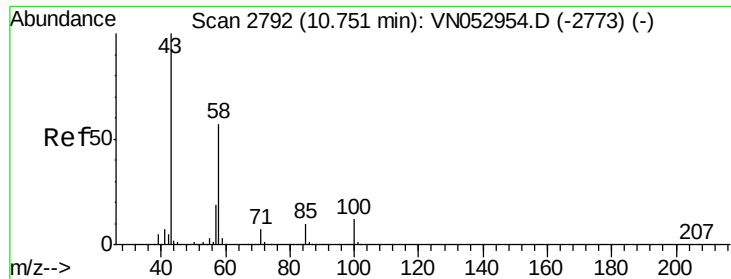
MMDadoda
 12/19/2018 12:06:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.827 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.0	31.6





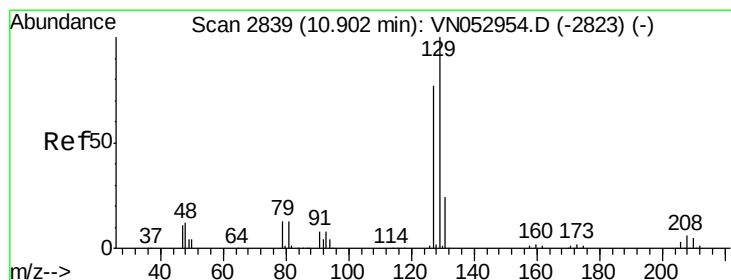
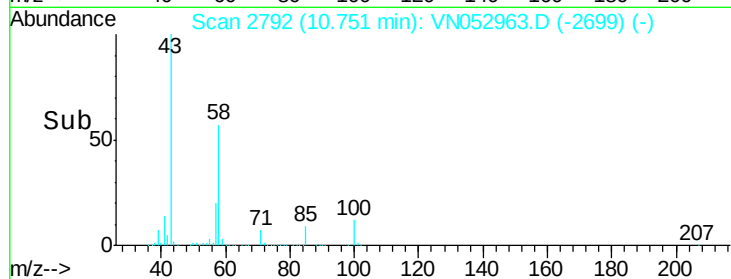
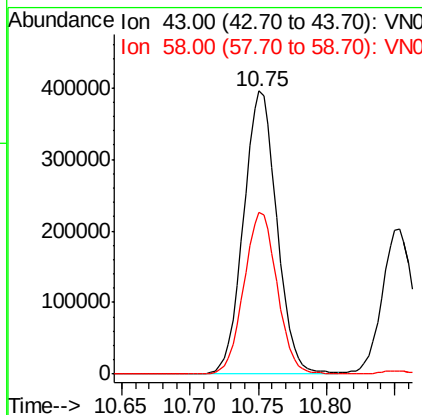
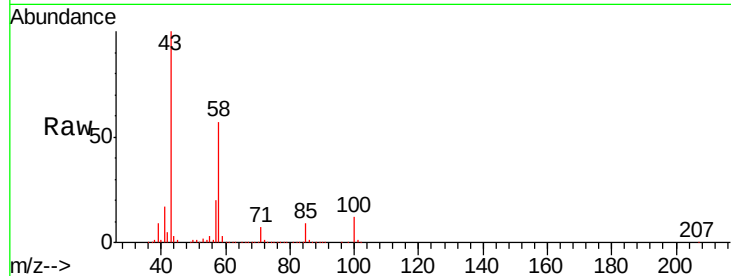
#59
2-Hexanone
Concen: 105.091 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tgt Ion: 43 Resp: 667480
Ion Ratio Lower Upper
43 100
58 57.4 28.1 84.3

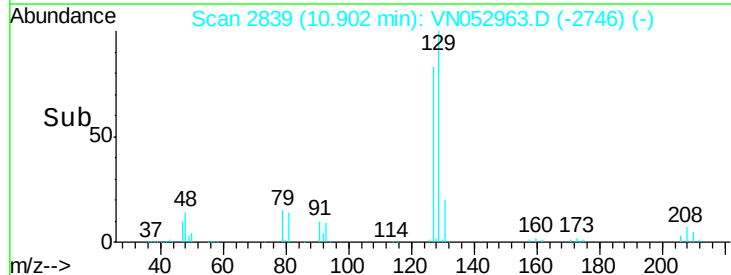
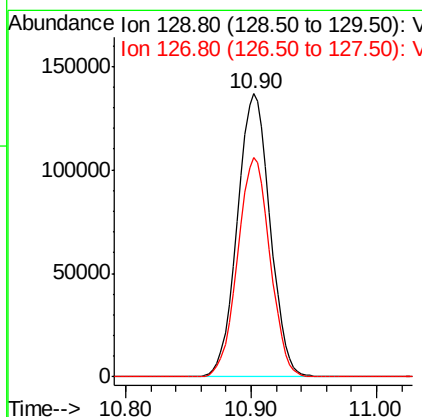
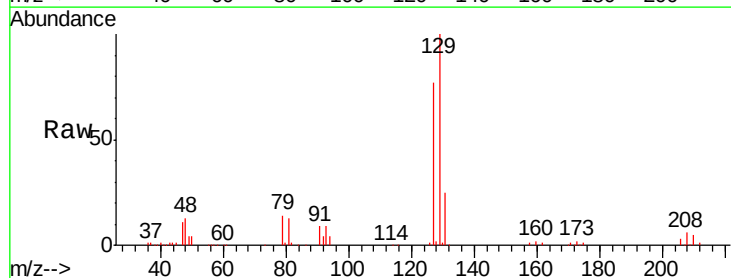
Manual Integrations
APPROVED

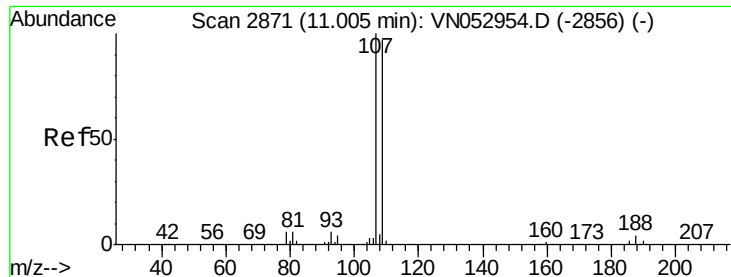
MMDadoda
12/19/2018 12:06:49 PM



#60
Dibromochloromethane
Concen: 19.438 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Tgt Ion: 129 Resp: 248508
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.959 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tgt Ion: 107 Resp: 226396

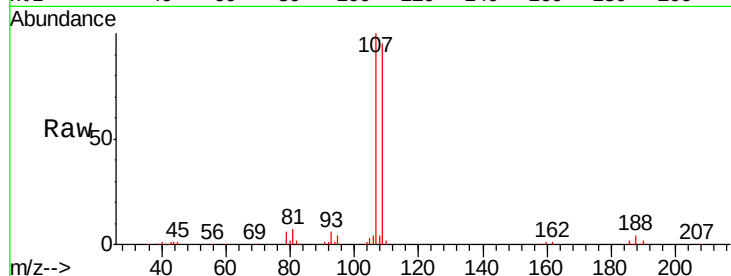
Ion Ratio Lower Upper

107 100

109 95.1 75.4 113.0

Manual Integrations
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MMDadoda
12/19/2018 12:06:49 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

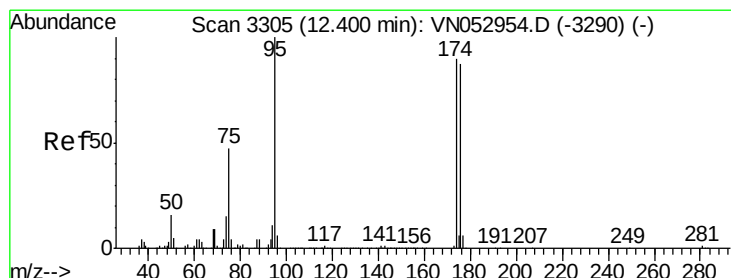
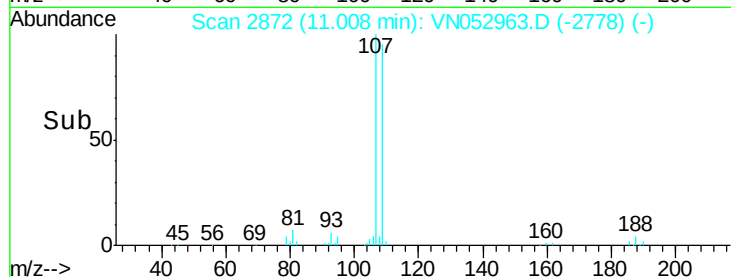
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 19.959 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

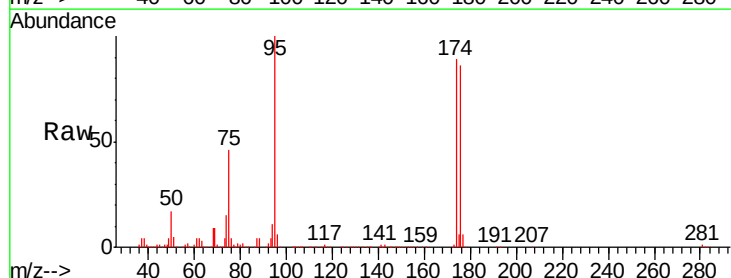
Tgt Ion: 95 Resp: 735937

Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.8

176 87.7 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

600000

500000

400000

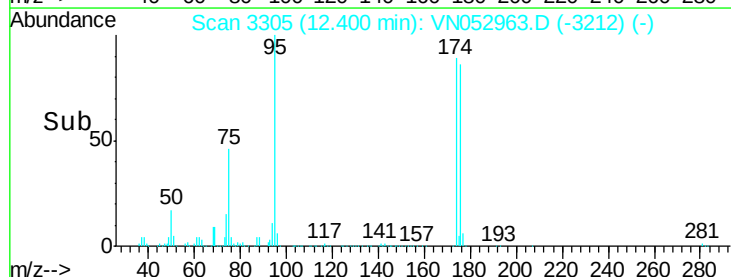
300000

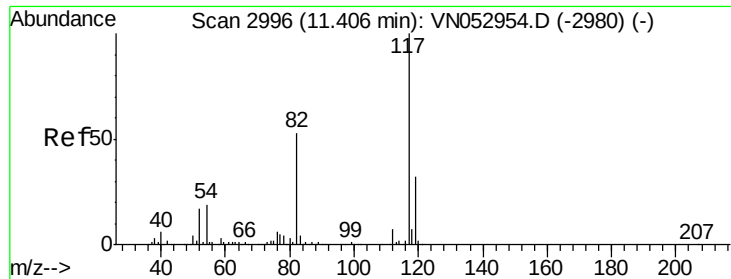
200000

100000

0

Time--> 12.35 12.40 12.45





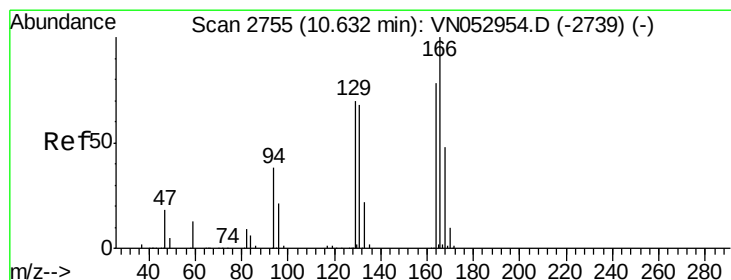
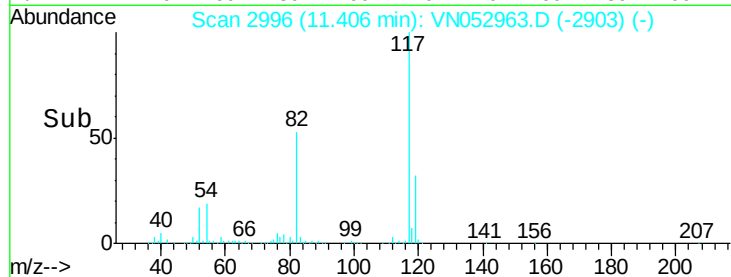
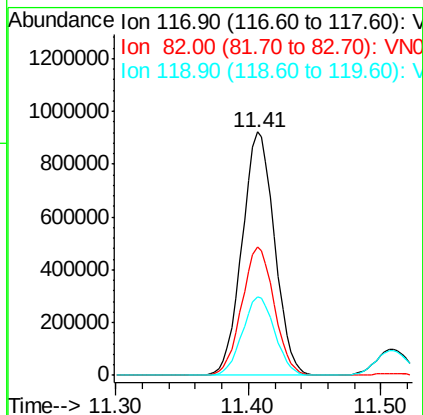
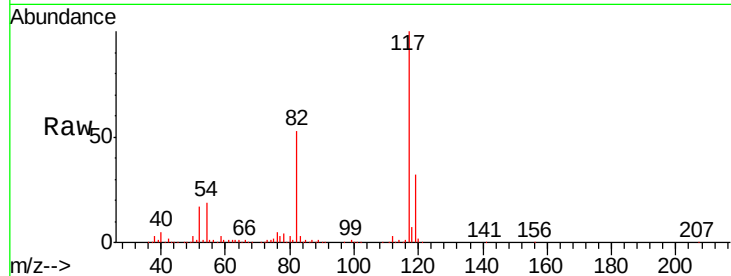
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tgt Ion:117 Resp: 1562920
Ion Ratio Lower Upper
117 100
82 52.6 42.8 64.2
119 32.3 25.5 38.3

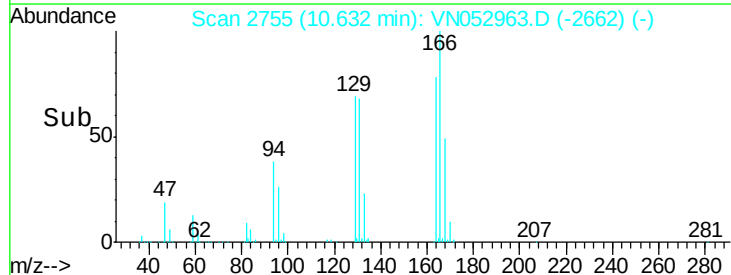
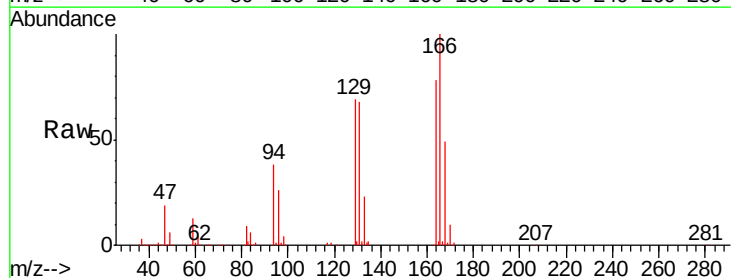
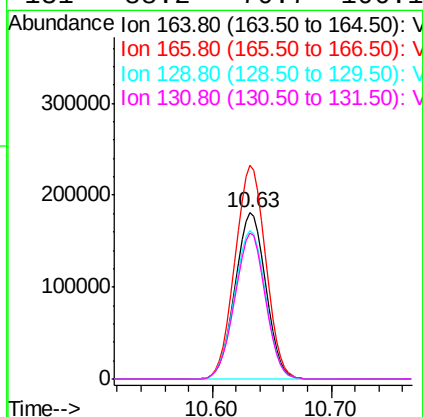
Manual Integrations
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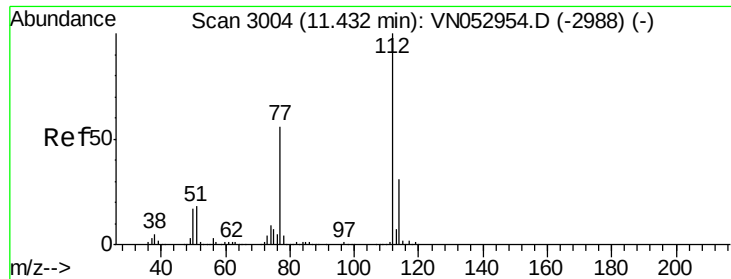
MMDadoda
12/19/2018 12:06:49 PM



#64
Tetrachloroethene
Concen: 19.187 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Tgt Ion:164 Resp: 324840
Ion Ratio Lower Upper
164 100
166 128.8 102.9 154.3
129 89.4 73.7 110.5
131 88.2 70.7 106.1





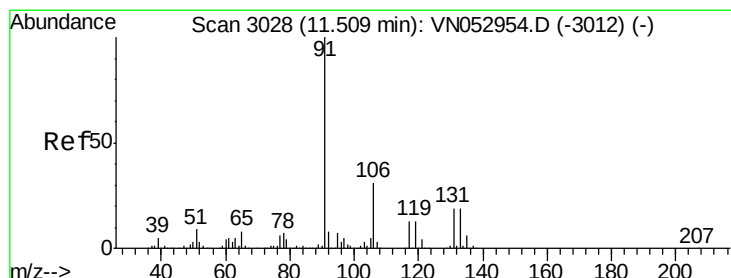
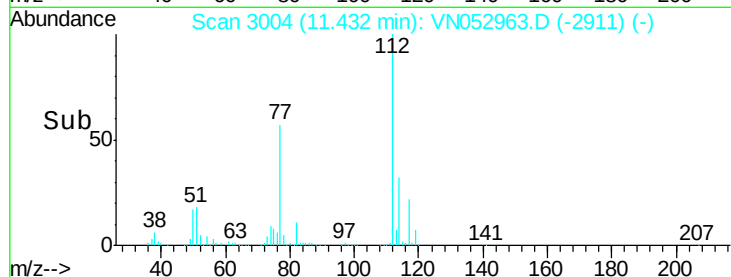
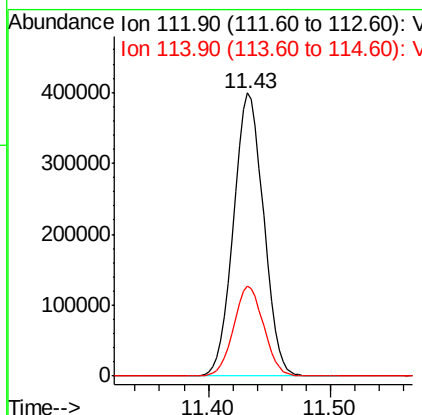
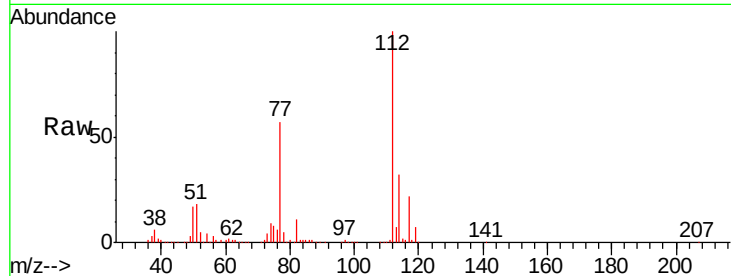
#65
Chlorobenzene
Concen: 19.703 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tgt Ion:112 Resp: 682636
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3

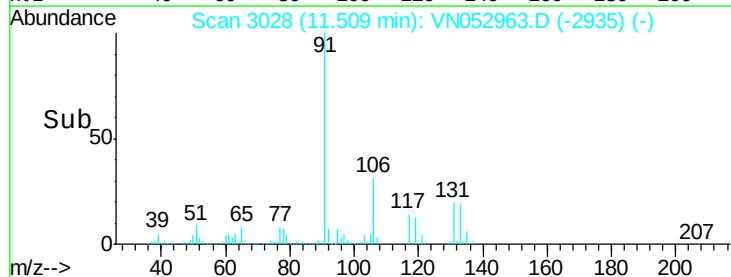
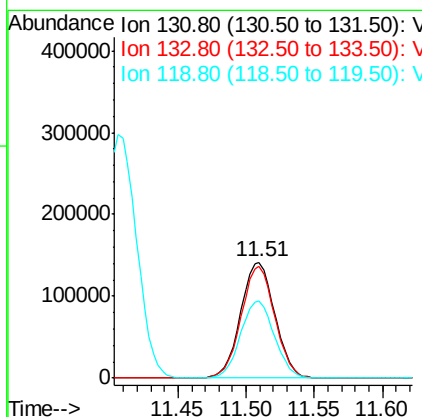
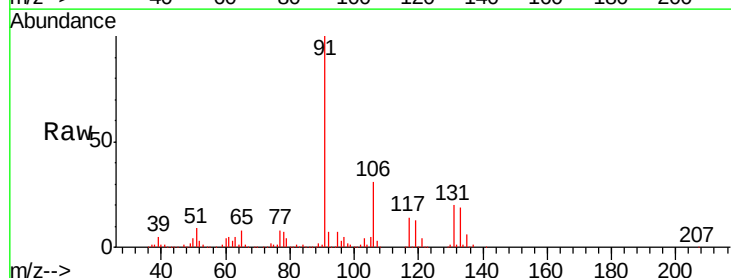
Manual Integrations
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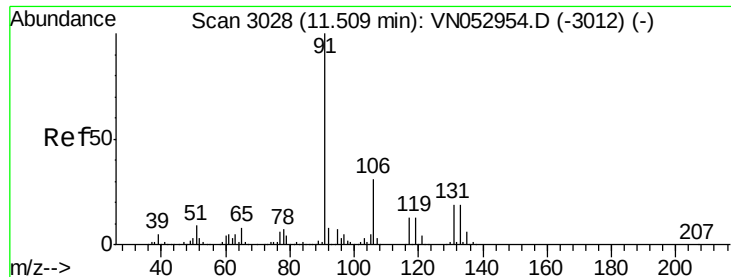
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.440 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Tgt Ion:131 Resp: 246264
Ion Ratio Lower Upper
131 100
133 94.8 47.6 142.9
119 66.2 33.3 99.8





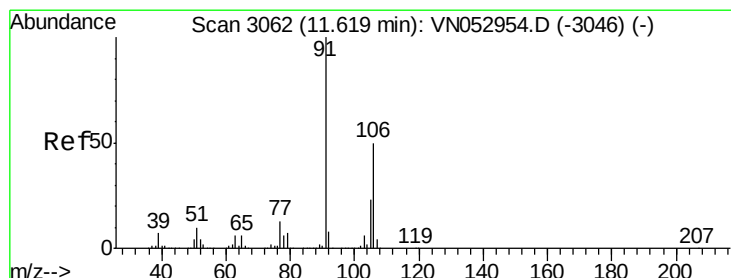
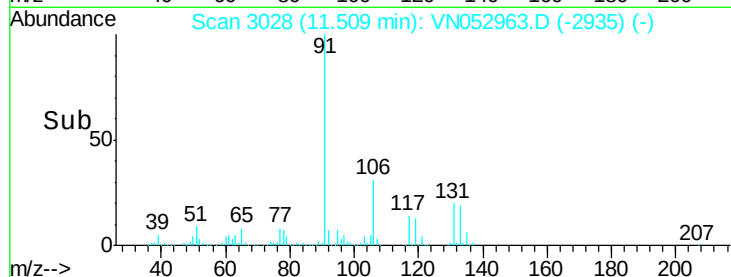
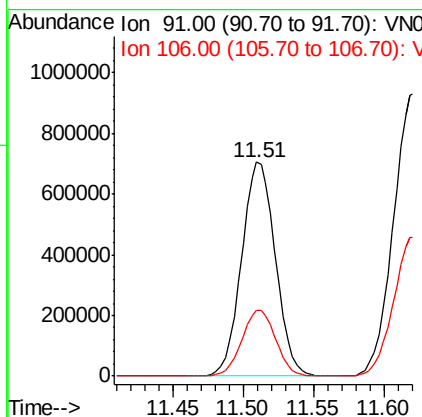
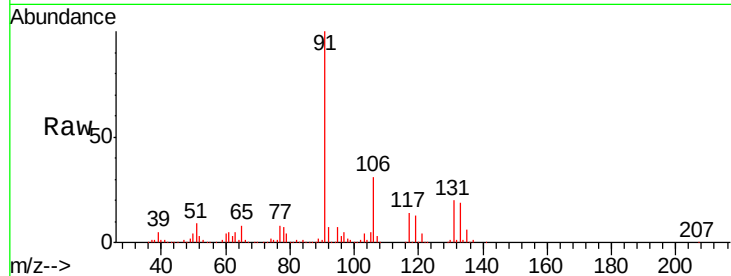
#67
Ethyl Benzene
Concen: 19.828 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tgt Ion: 91 Resp: 1181388
Ion Ratio Lower Upper
91 100
106 30.8 24.9 37.3

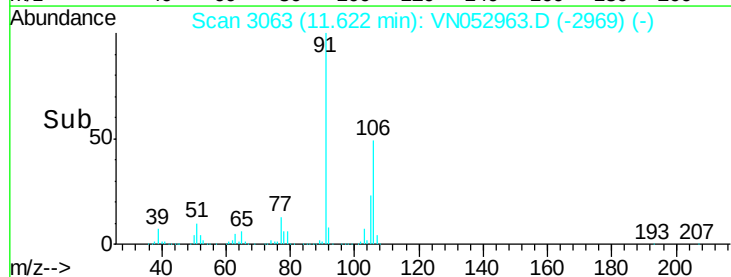
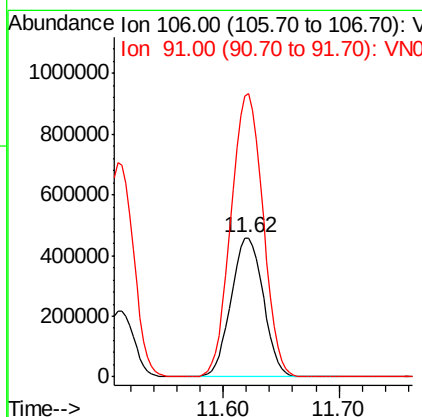
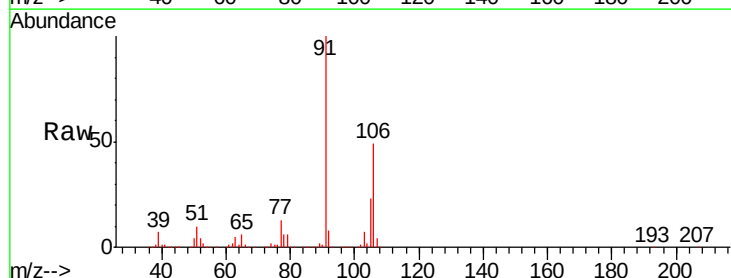
Manual Integrations
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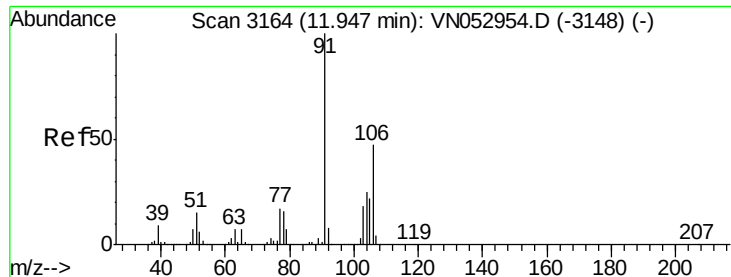
MMDadoda
12/19/2018 12:06:49 PM



#68
m/p-Xylenes
Concen: 38.978 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Tgt Ion: 106 Resp: 882858
Ion Ratio Lower Upper
106 100
91 202.4 162.2 243.4





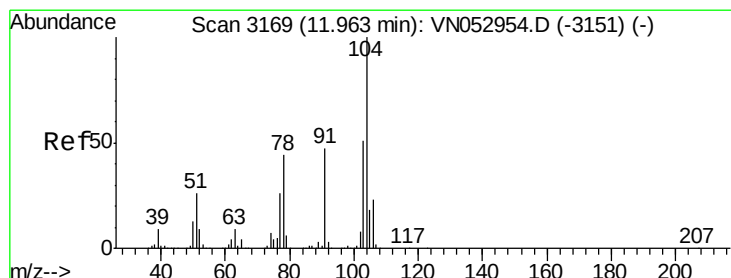
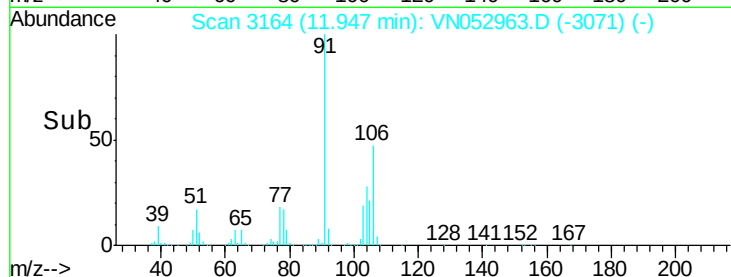
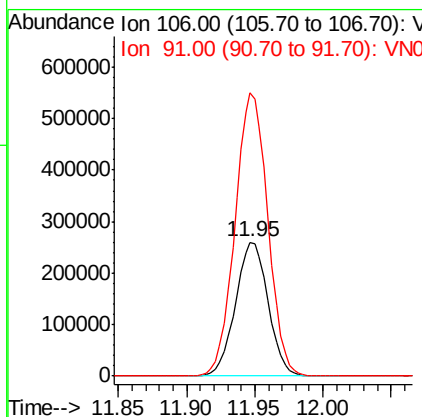
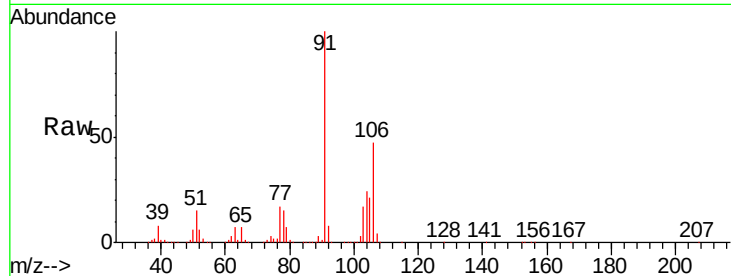
#69
o-Xylene
Concen: 19.800 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tgt Ion:106 Resp: 430339
Ion Ratio Lower Upper
106 100
91 212.7 106.6 319.8

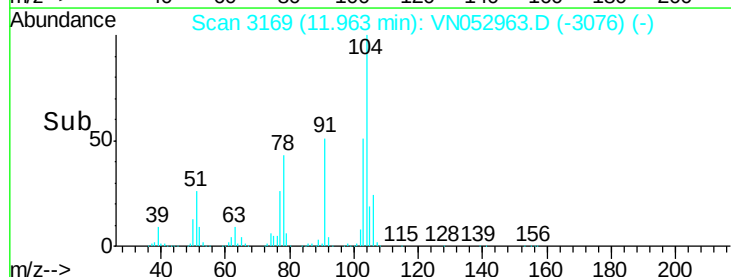
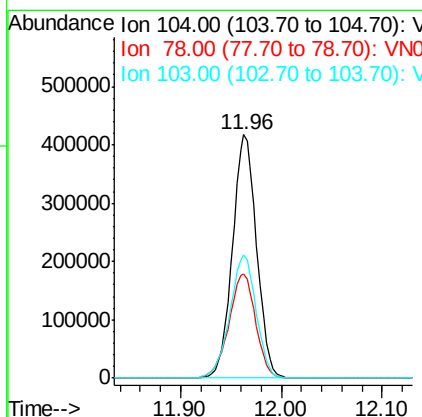
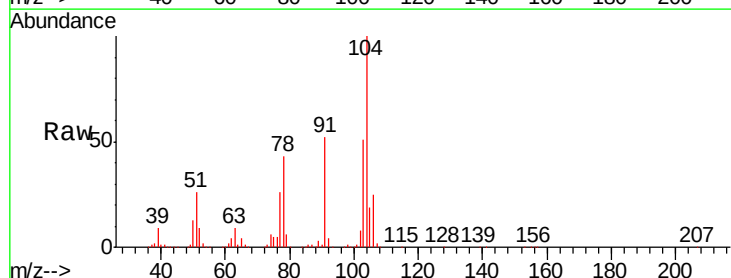
Manual Integrations
APPROVED

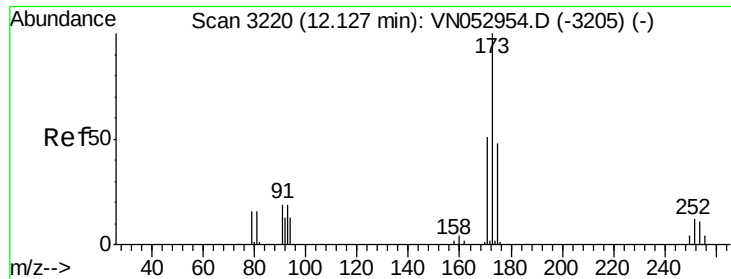
MMDadoda
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#70
Styrene
Concen: 19.611 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Tgt Ion:104 Resp: 695013
Ion Ratio Lower Upper
104 100
78 47.5 38.9 58.3
103 55.1 44.3 66.5





#71

Bromoform

Concen: 19.119 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tgt Ion:173 Resp: 166405

Ion Ratio Lower Upper

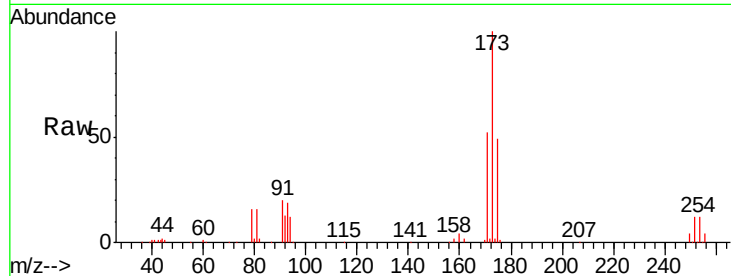
173 100

175 48.5 24.3 72.9

254 0.0 0.1 0.1#

Manual Integrations
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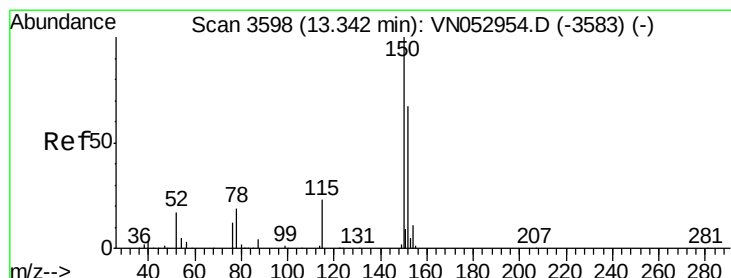
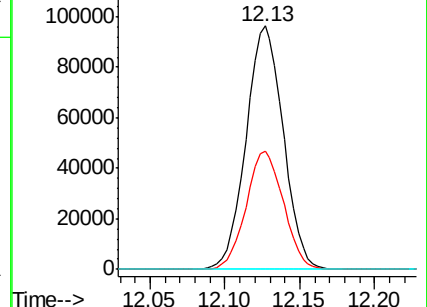
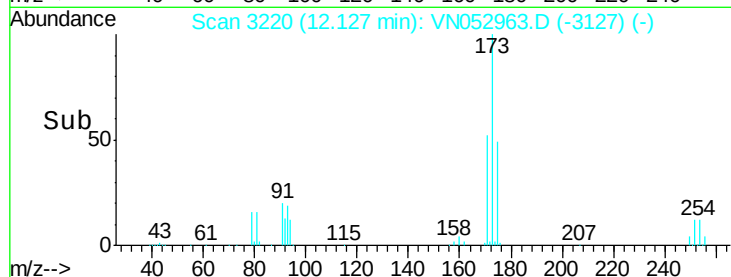
MMDadoda
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN052963.D

Acq: 18 Dec 2018 16:11

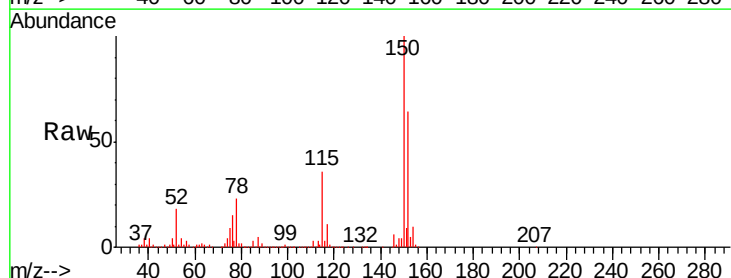
Tgt Ion:152 Resp: 666136

Ion Ratio Lower Upper

152 100

115 56.0 28.3 85.0

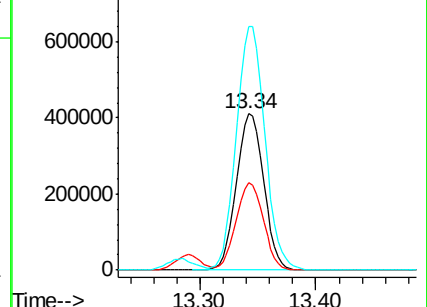
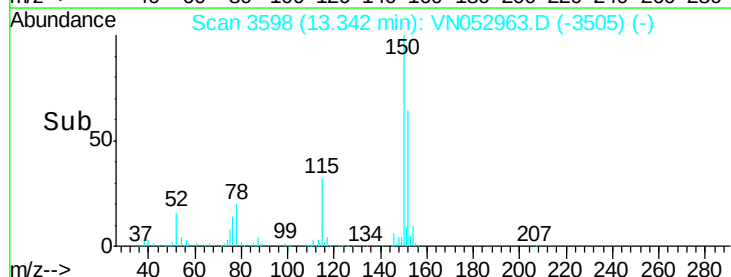
150 163.1 0.0 347.8

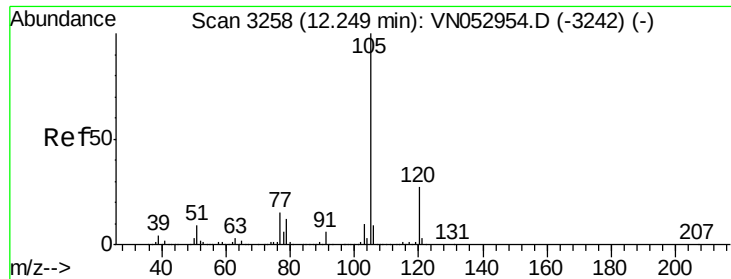


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





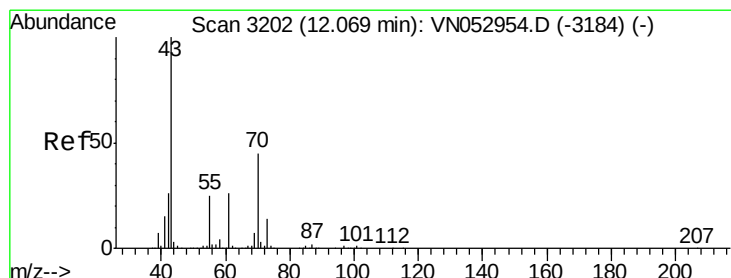
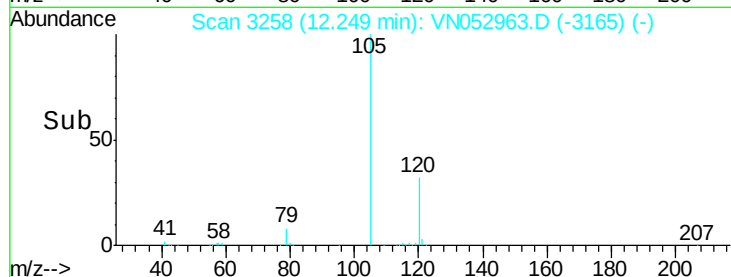
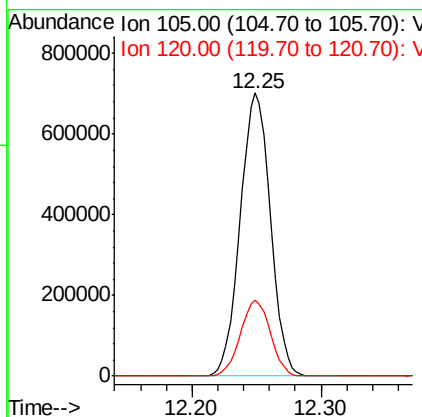
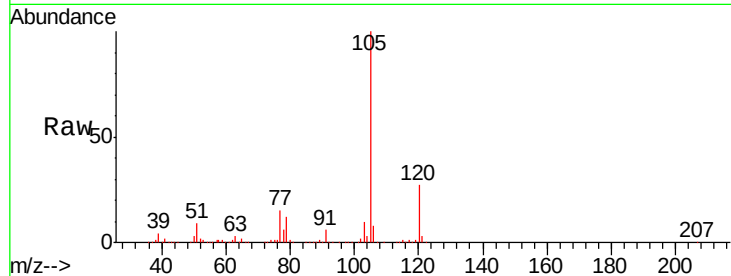
#73
Isopropylbenzene
Concen: 21.940 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS01

Tgt Ion: 105 Resp: 1143500
Ion Ratio Lower Upper
105 100
120 26.6 13.3 39.9

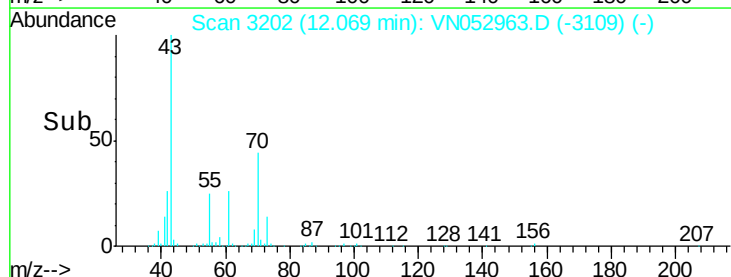
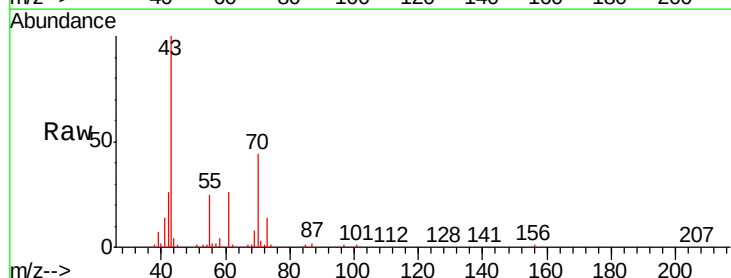
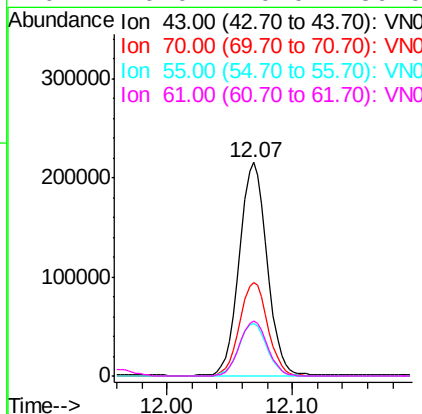
Manual Integrations
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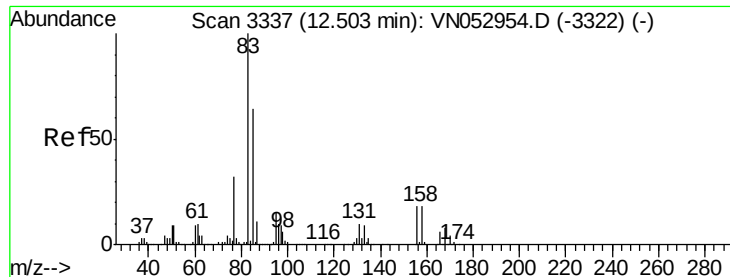
MMDadoda
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#74
N-ethyl acetate
Concen: 22.877 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052963.D
Acq: 18 Dec 2018 16:11

Tgt Ion: 43 Resp: 331030
Ion Ratio Lower Upper
43 100
70 44.5 34.2 51.4
55 25.3 20.3 30.5
61 26.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.197 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tgt Ion: 83 Resp: 237186
Ion Ratio Lower Upper

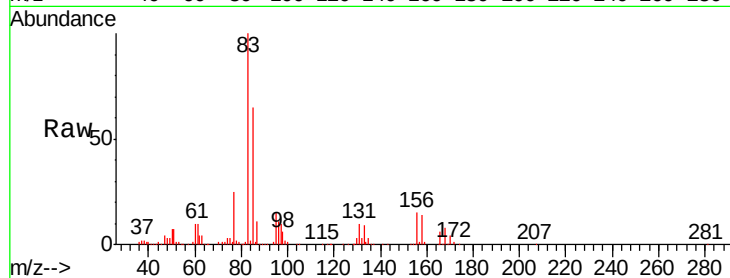
83 100

131 10.5 5.2 15.6

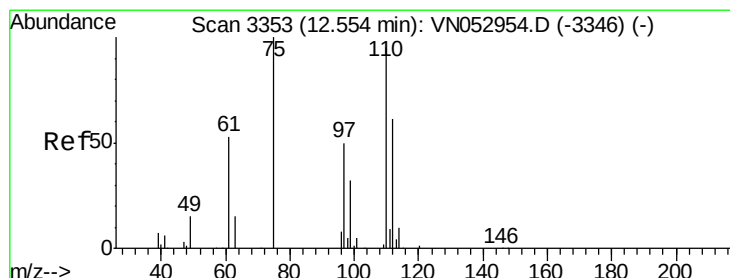
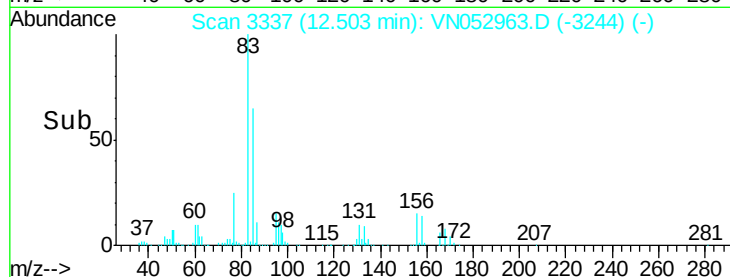
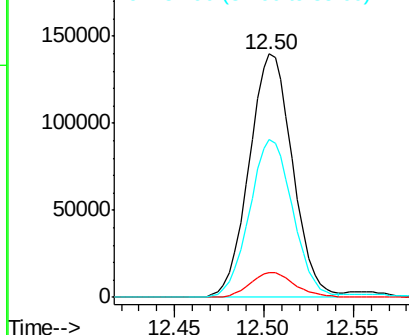
85 65.0 32.4 97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 19.370 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

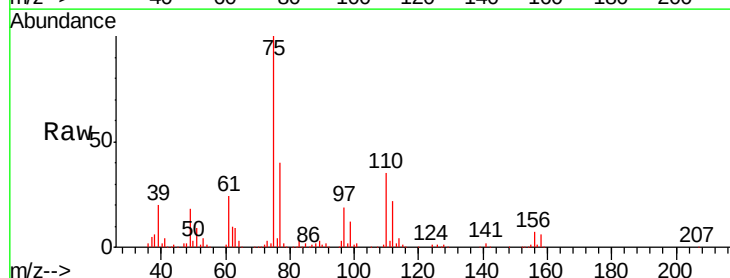
Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

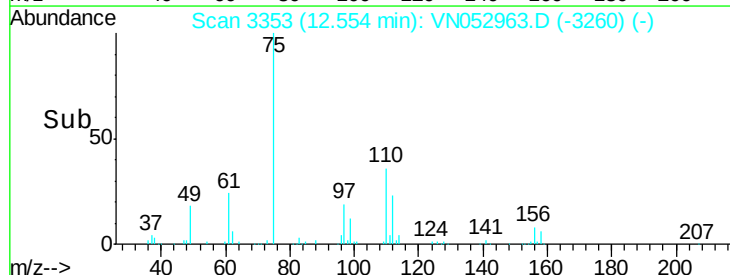
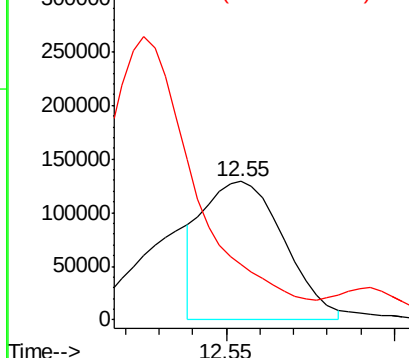
Tgt Ion: 75 Resp: 217214
Ion Ratio Lower Upper

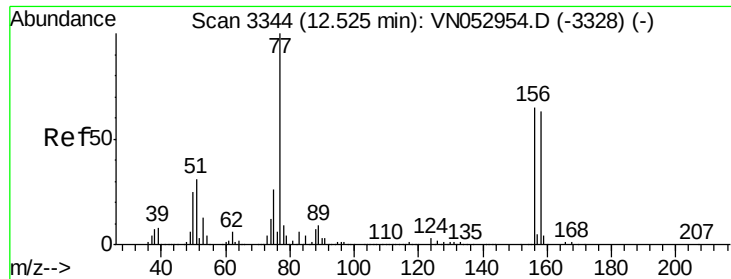
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 22.173 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

MSVOA_N

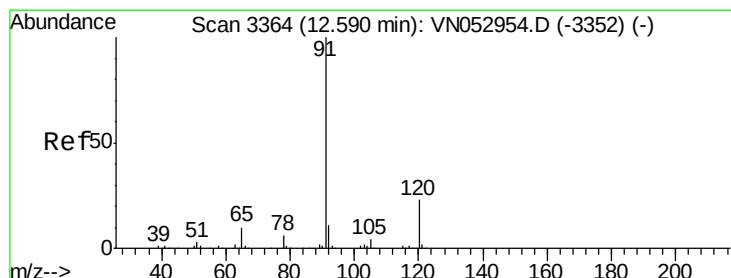
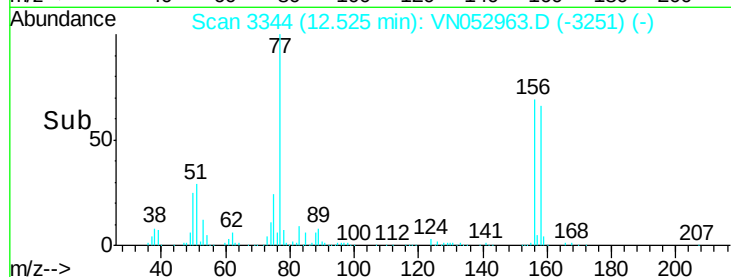
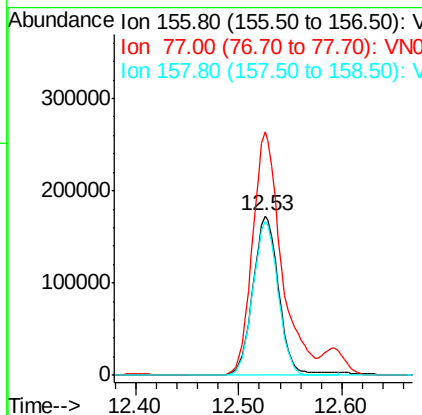
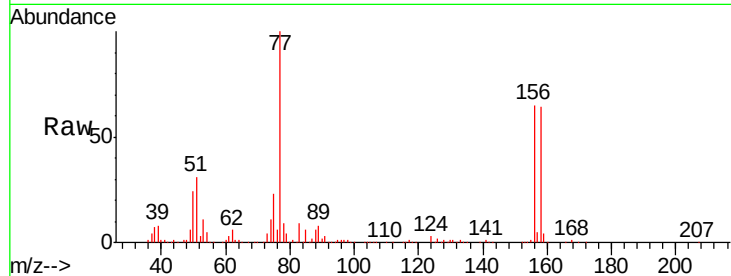
ClientSampleId :

VN1218MBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	171.0	91.3	273.8
158	93.1	49.0	147.2

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#78

n-propylbenzene

Concen: 21.199 ug/l

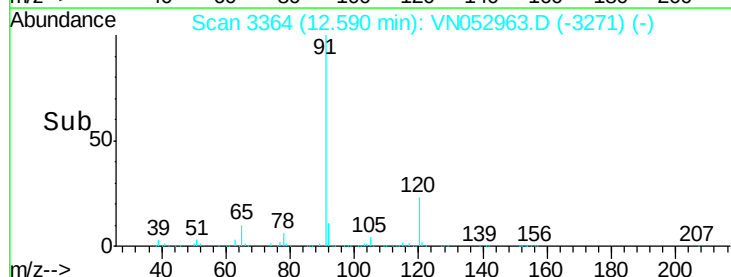
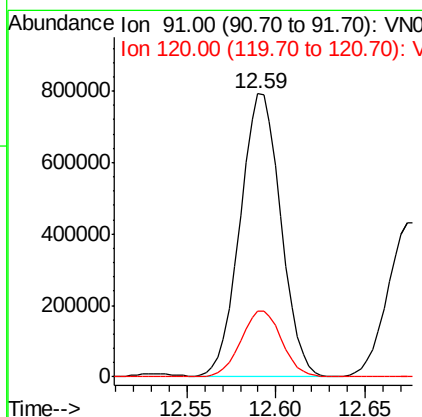
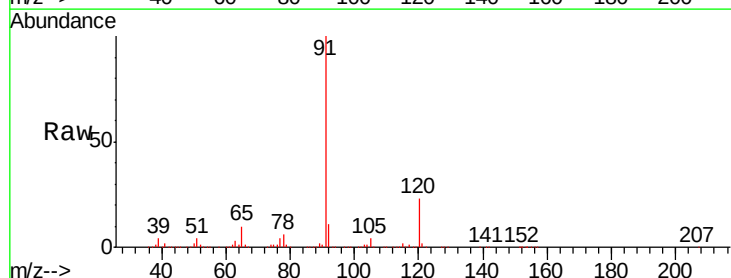
RT: 12.59 min Scan# 3364

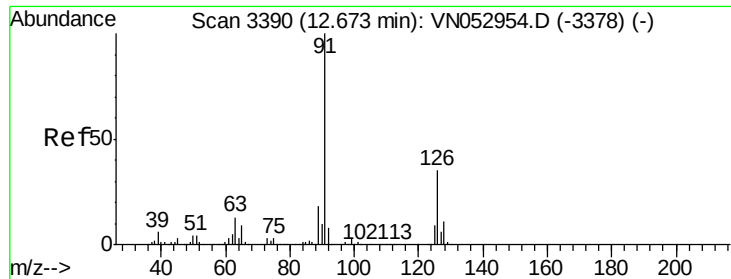
Delta R.T. -0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.5	34.5





#79

2-Chlorotoluene

Concen: 19.909 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tgt Ion: 91 Resp: 732525

Ion Ratio Lower Upper

91 100

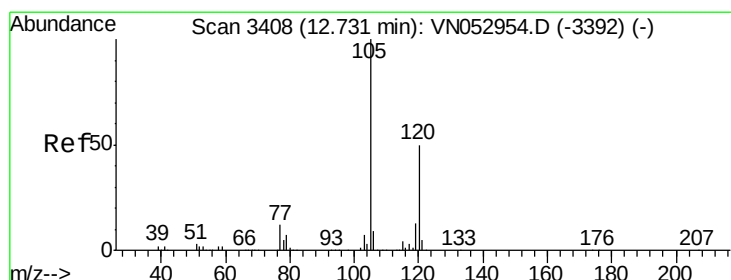
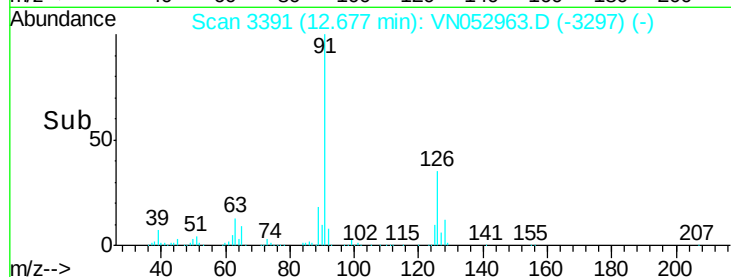
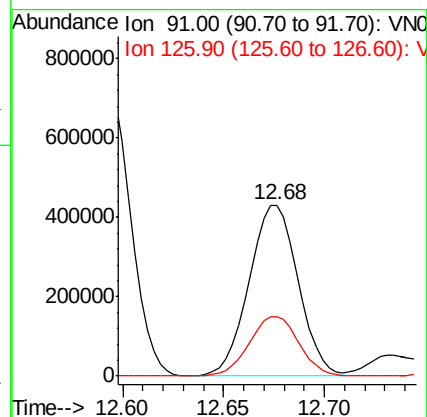
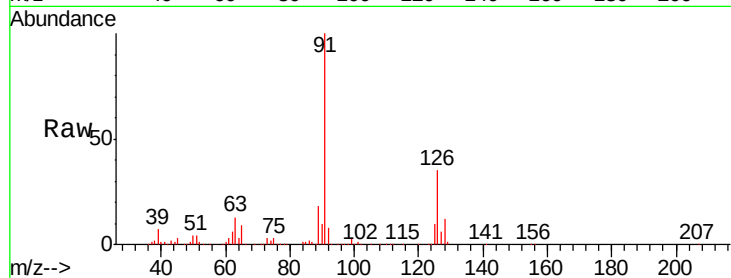
126 35.3 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.757 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052963.D

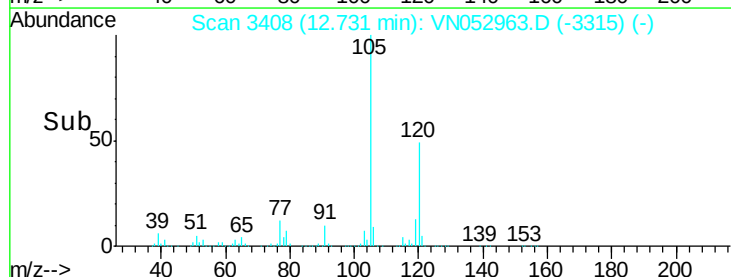
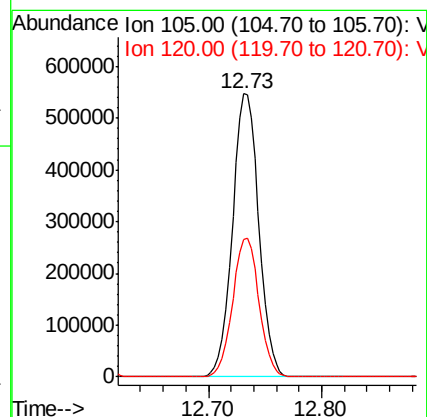
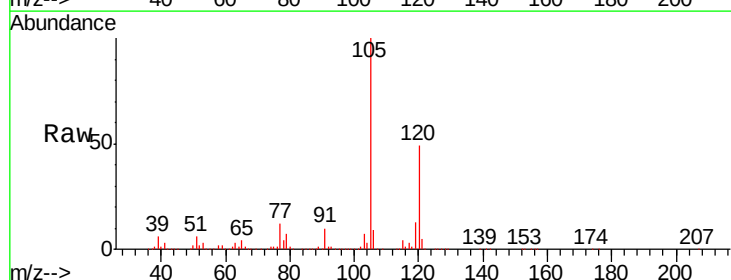
Acq: 18 Dec 2018 16:11

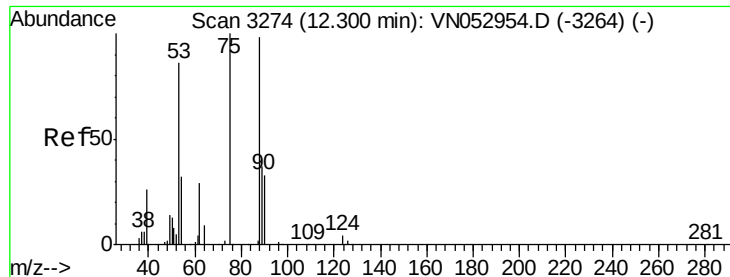
Tgt Ion: 105 Resp: 881782

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 21.524 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tgt Ion: 75 Resp: 74886

Ion Ratio Lower Upper

75 100

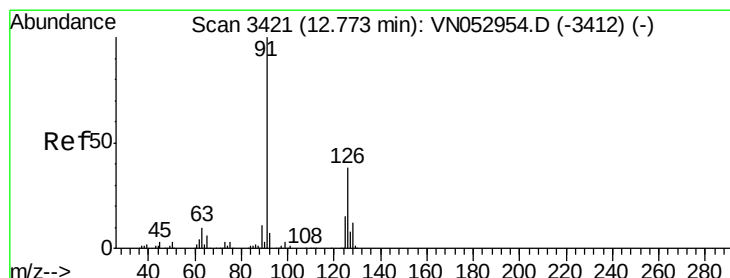
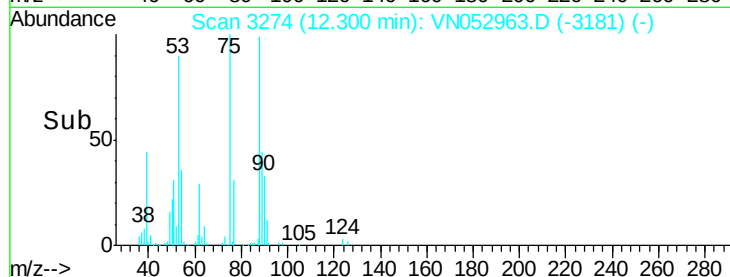
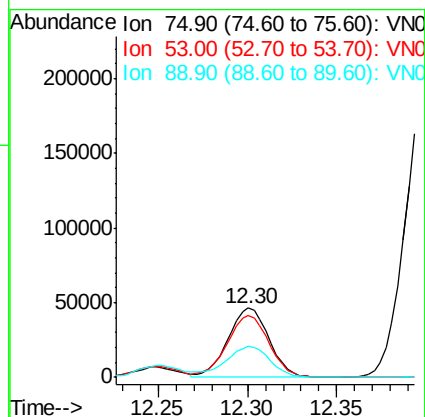
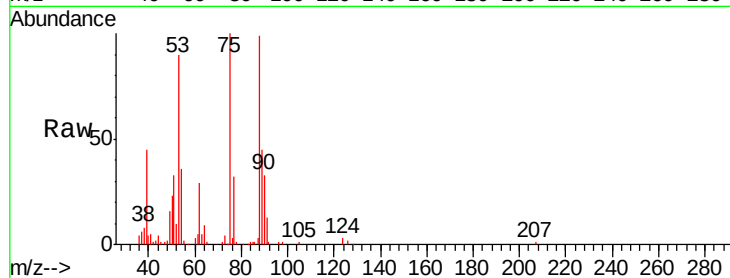
53 91.8 74.7 112.1

89 47.6 36.1 54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.660 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052963.D

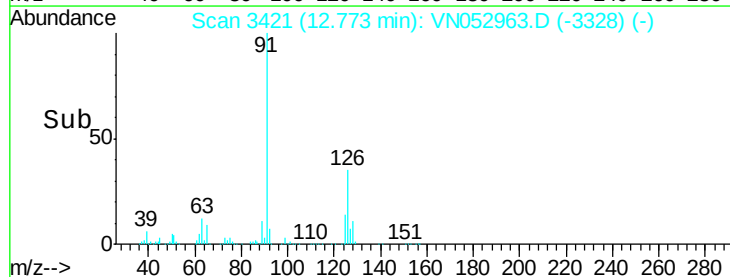
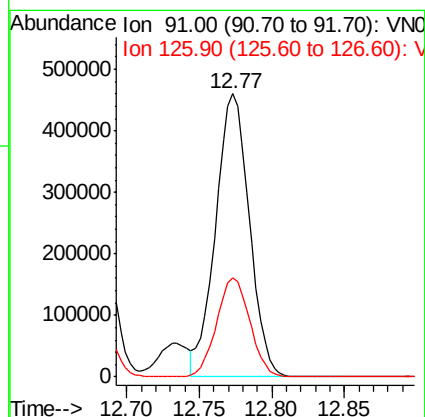
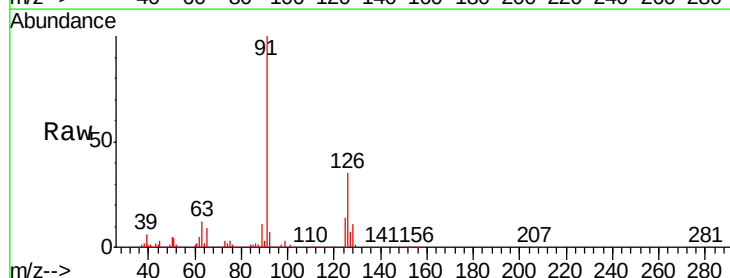
Acq: 18 Dec 2018 16:11

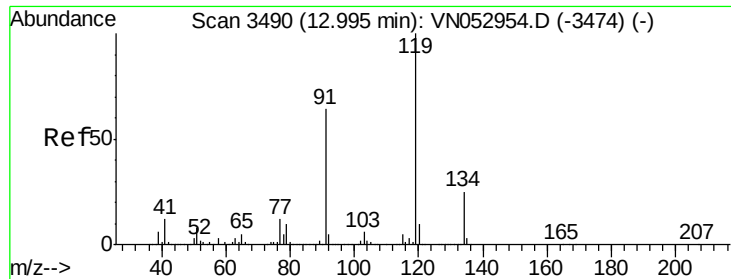
Tgt Ion: 91 Resp: 744111

Ion Ratio Lower Upper

91 100

126 34.6 17.3 51.7





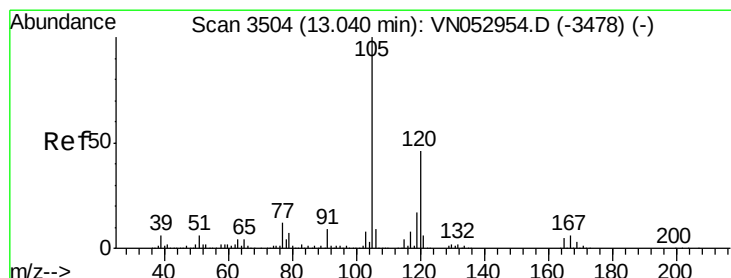
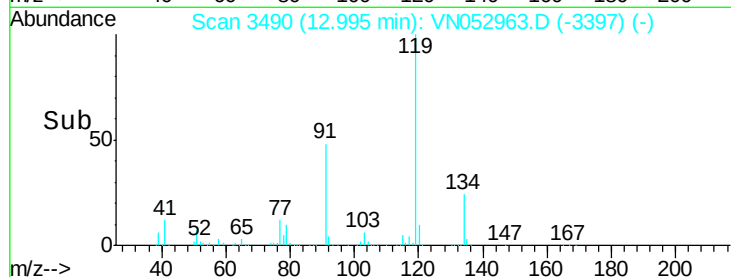
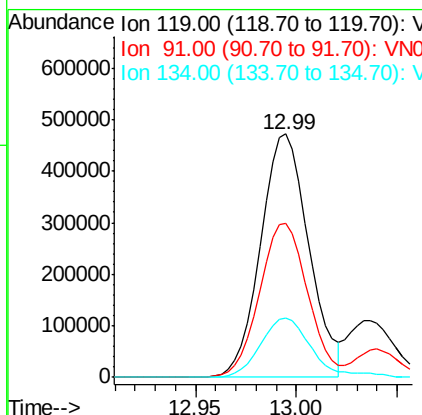
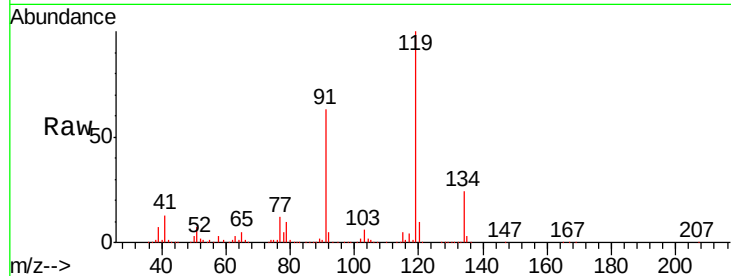
#83
 tert-Butylbenzene
 Concen: 20.931 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	786406		
91	63.5		31.9	95.5
134	25.8		12.8	38.4

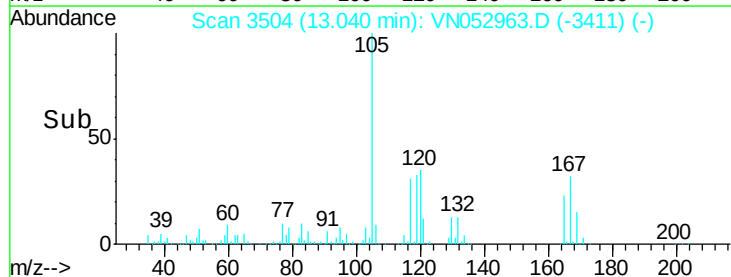
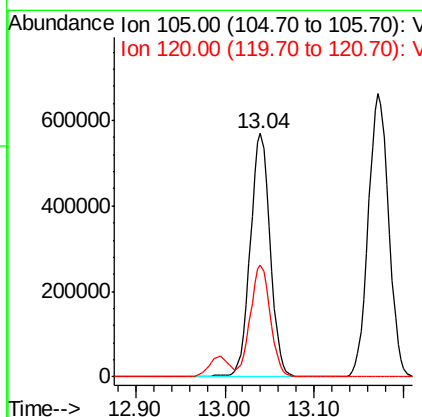
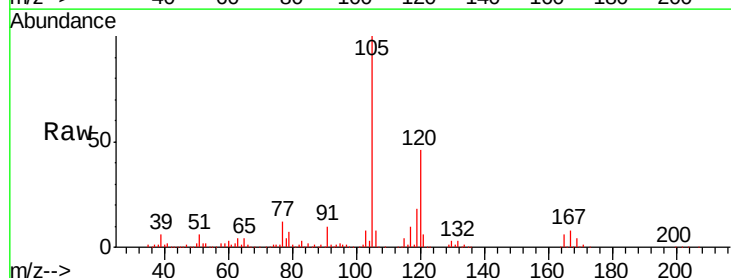
Manual Integrations
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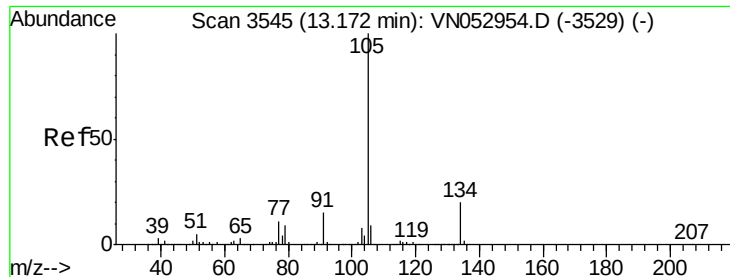
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.706 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	884260		
120	46.1		22.9	68.8





#85

sec-Butylbenzene

Concen: 20.548 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS01

Tgt Ion:105 Resp: 1044225

Ion Ratio Lower Upper

105 100

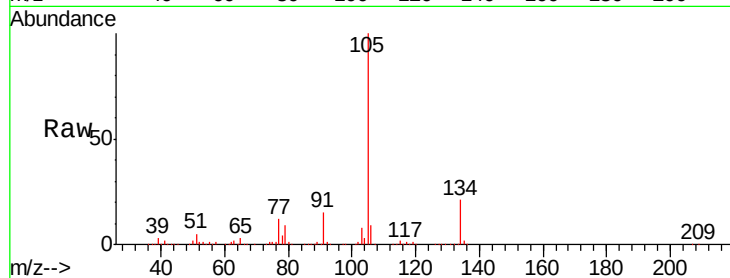
134 20.6 10.1 30.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

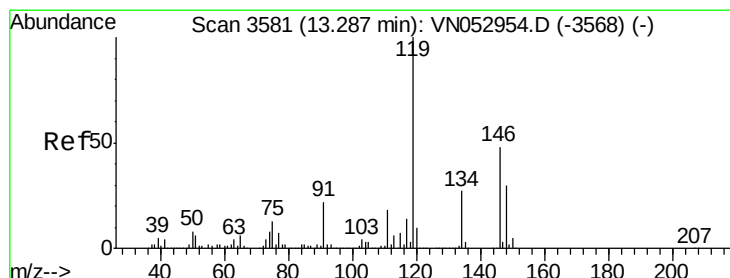
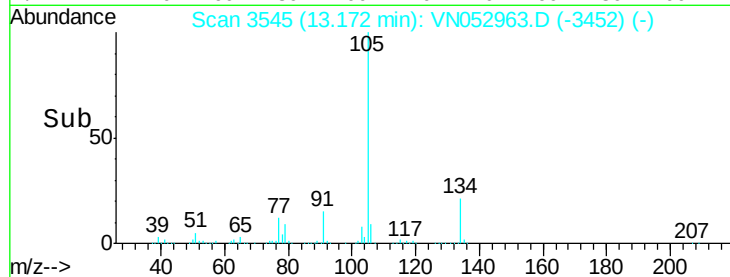
600000

400000

200000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.369 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

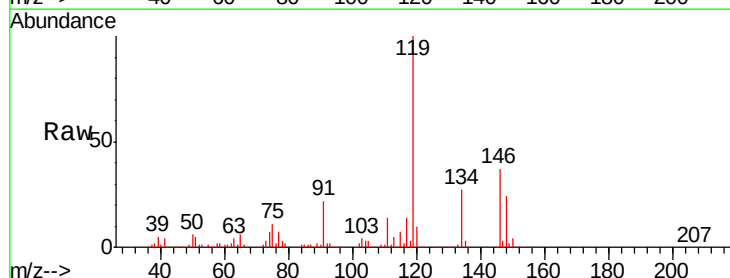
Tgt Ion:119 Resp: 894450

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 21.9 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

13.29

800000

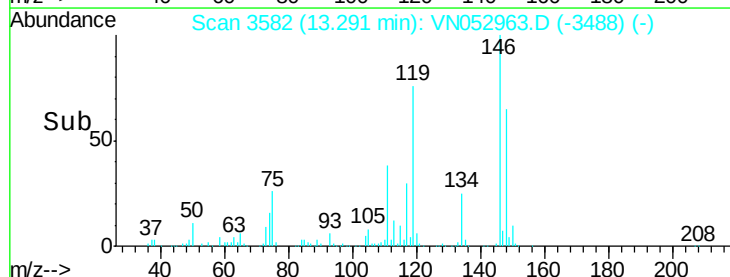
600000

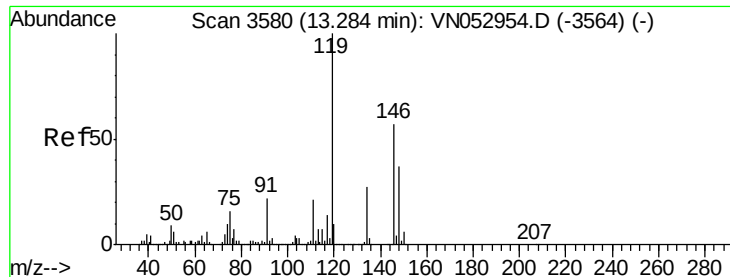
400000

200000

0

Time--> 13.20 13.25 13.30 13.35





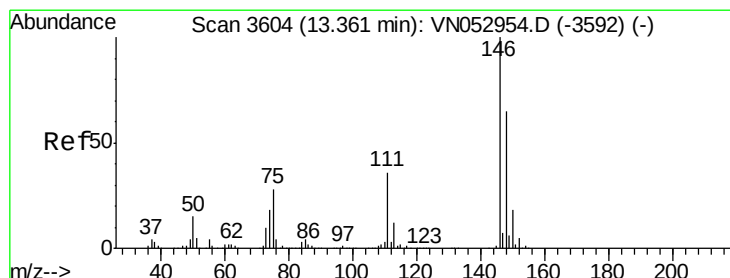
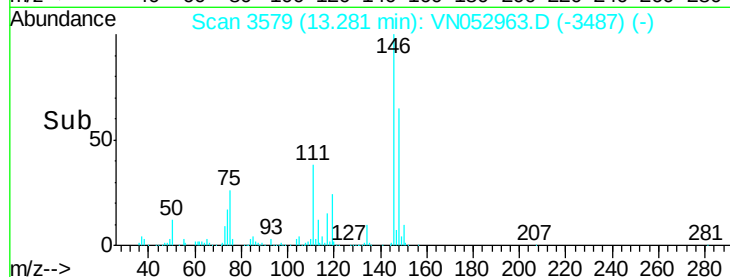
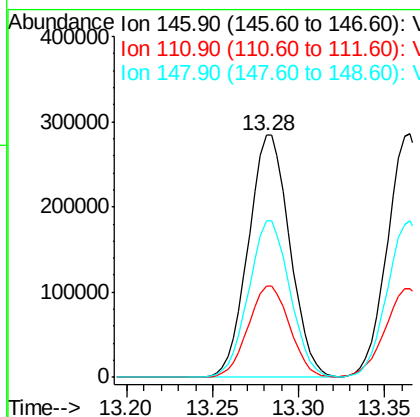
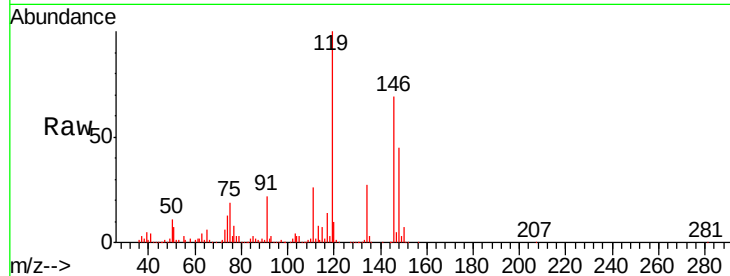
#87
 1,3-Dichlorobenzene
 Concen: 19.821 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	475285		
111	38.0	19.1	57.1	
148	64.5	32.0	96.0	

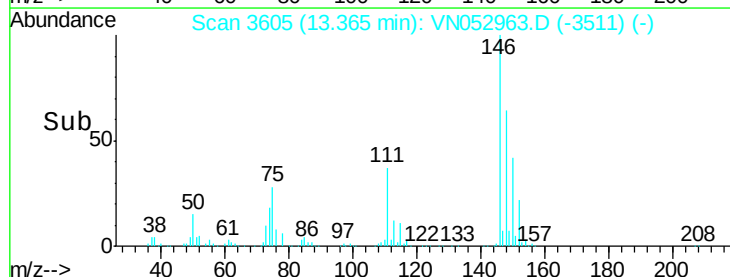
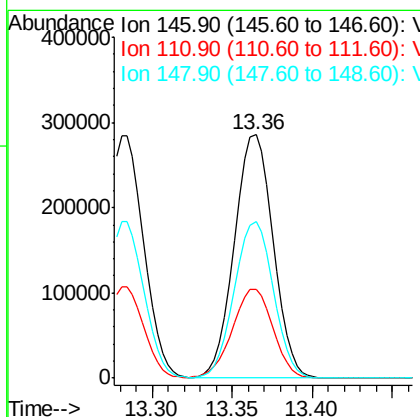
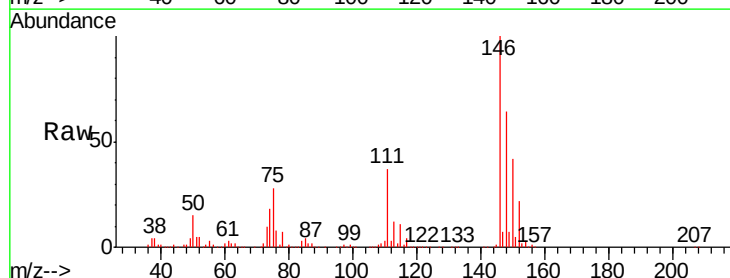
Manual Integrations
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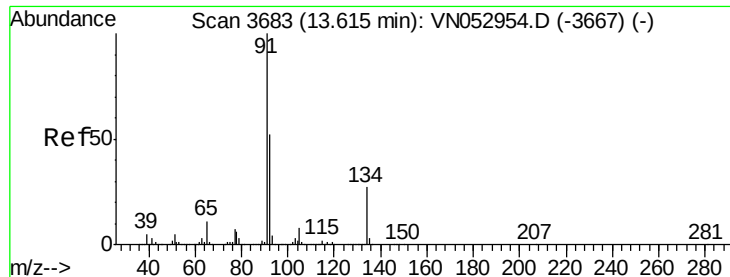
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 19.470 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	472794		
111	38.2	18.6	55.8	
148	64.9	32.1	96.5	





#89

n-Butylbenzene

Concen: 19.282 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

MSVOA_N

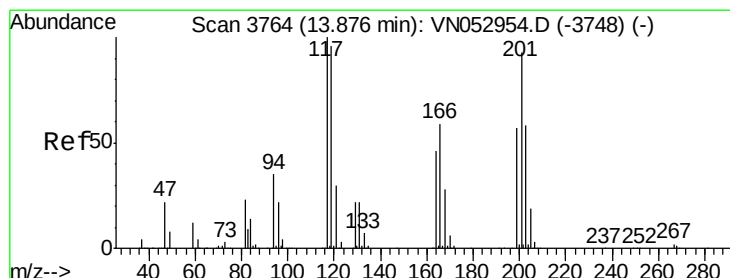
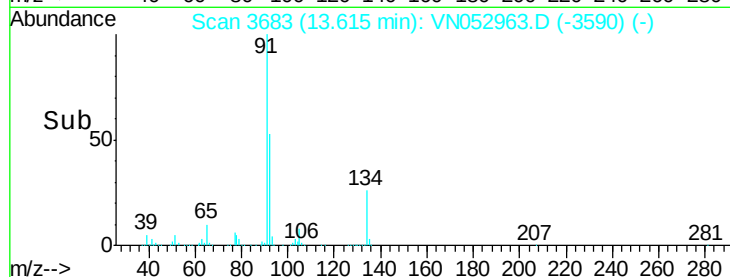
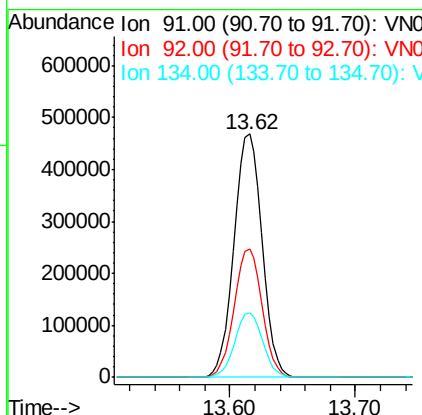
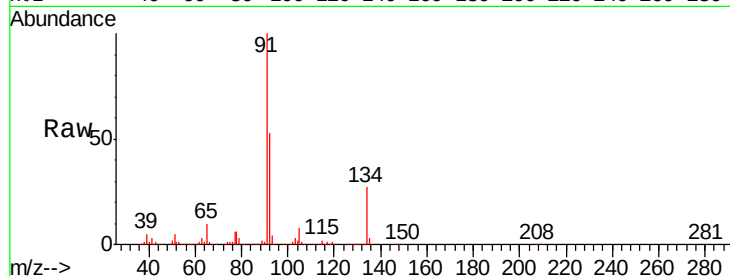
ClientSampleId :

VN1218MBS01

Tgt Ion:	91	Resp:	728431
Ion Ratio	Lower	Upper	
91	100		
92	52.3	26.3	78.9
134	26.3	13.3	39.8

Manual Integrations
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#90

Hexachloroethane

Concen: 19.556 ug/l

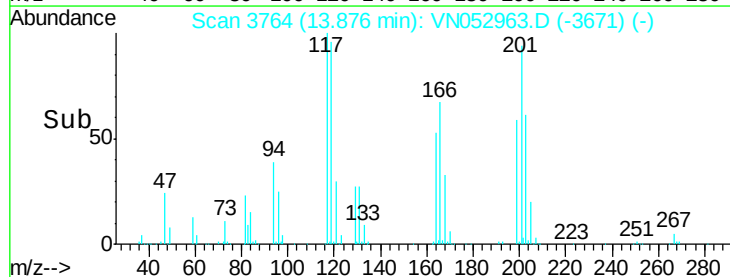
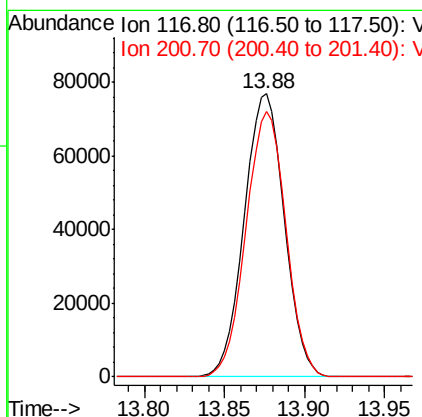
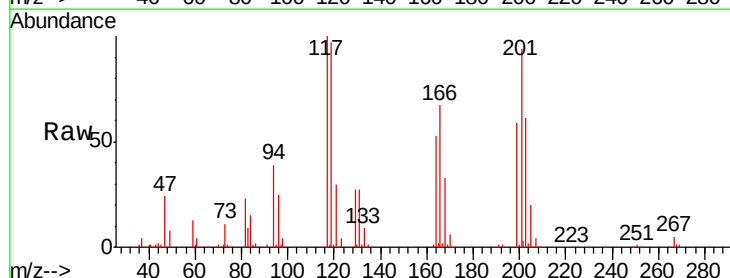
RT: 13.88 min Scan# 3764

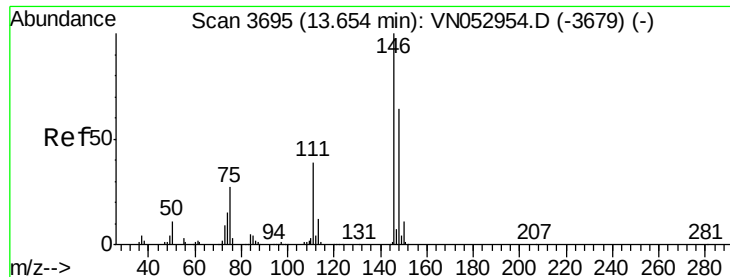
Delta R.T. -0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Tgt Ion:	117	Resp:	131779
Ion Ratio	Lower	Upper	
117	100		
201	93.3	45.7	137.1





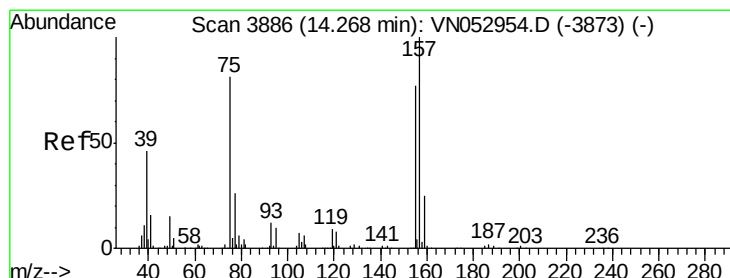
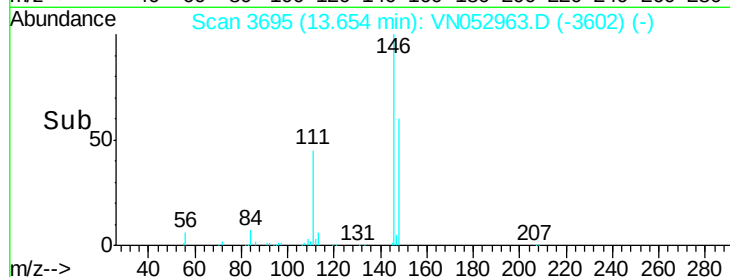
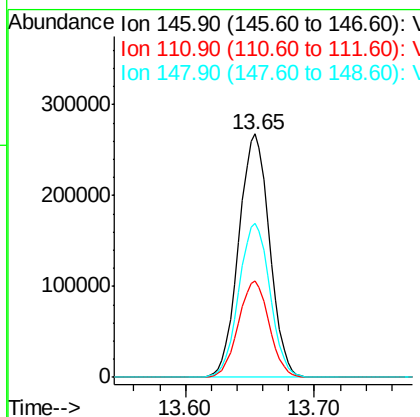
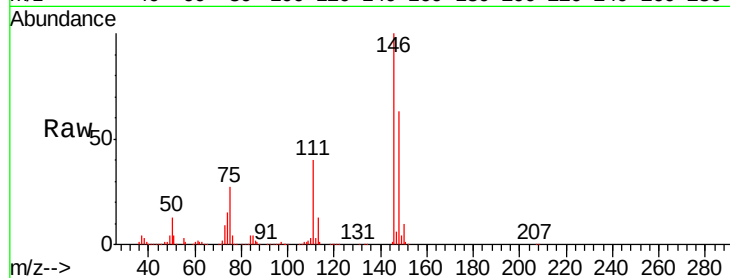
#91
 1,2-Dichlorobenzene
 Concen: 19.711 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	444829		
111	39.5	19.7	59.0	
148	64.1	32.0	96.0	

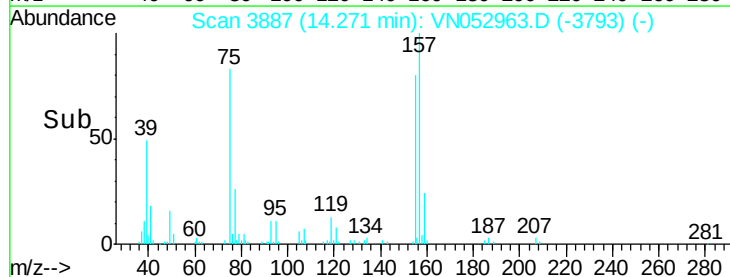
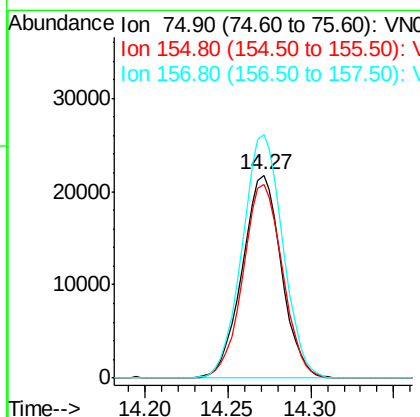
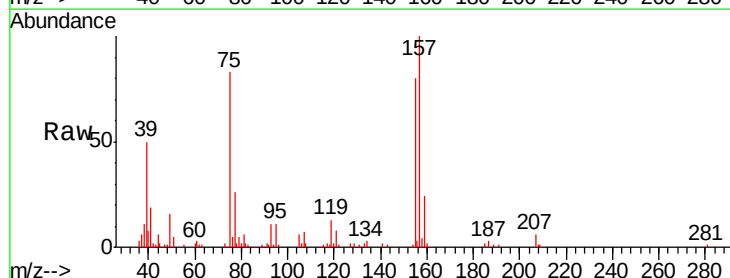
Manual Integrations
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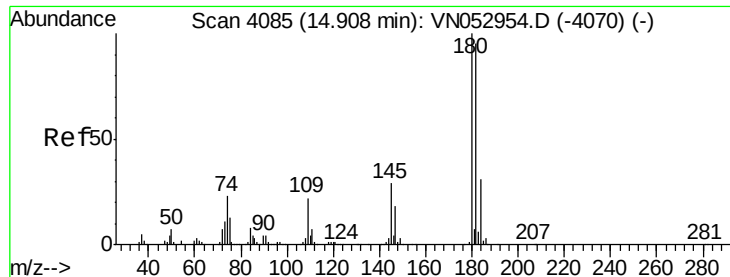
MMDadoda
 12/19/2018 12:06:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.268 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35833		
155	96.0	48.2	144.6	
157	123.9	61.2	183.5	





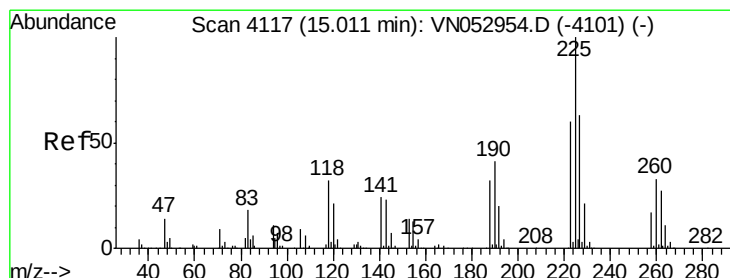
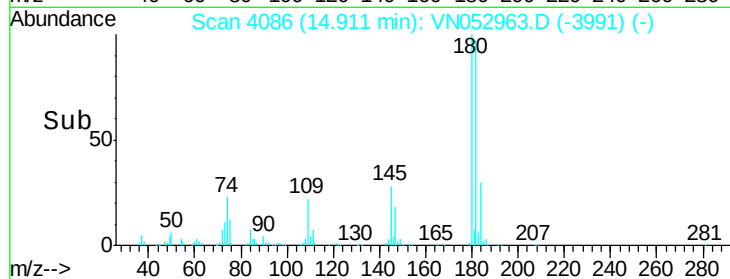
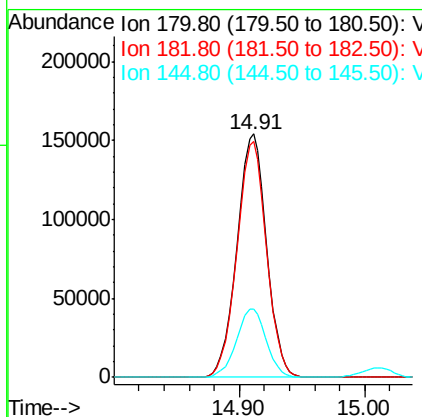
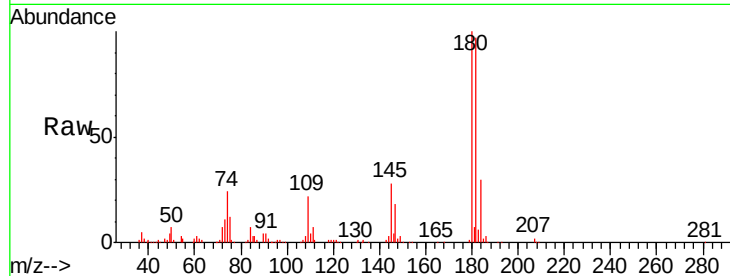
#93
 1,2,4-Trichlorobenzene
 Concen: 21.390 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	251614		
182	96.6	47.8	143.3	
145	28.3	14.2	42.6	

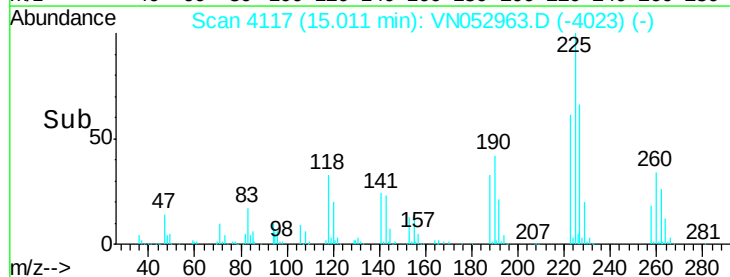
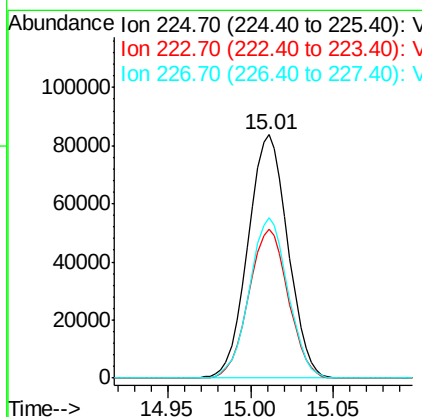
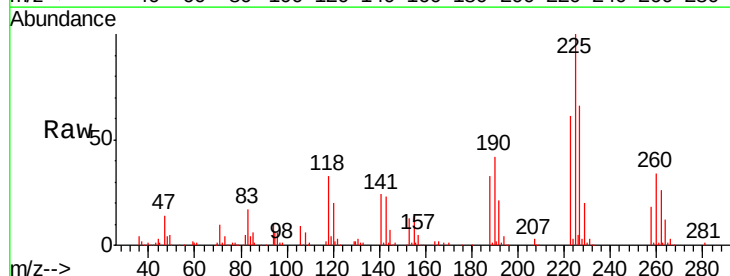
Manual Integrations
 APPROVED

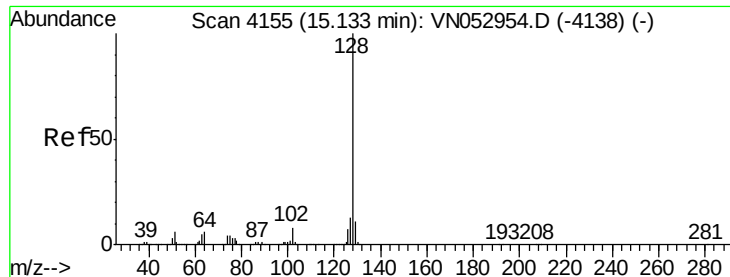
MMDadoda
 12/19/2018 12:06:49 PM



#94
 Hexachlorobutadiene
 Concen: 20.923 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052963.D
 Acq: 18 Dec 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	139865		
223	60.6	31.5	94.5	
227	63.9	31.9	95.7	





#95

Naphthalene

Concen: 22.403 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Instrument :

MSVOA_N

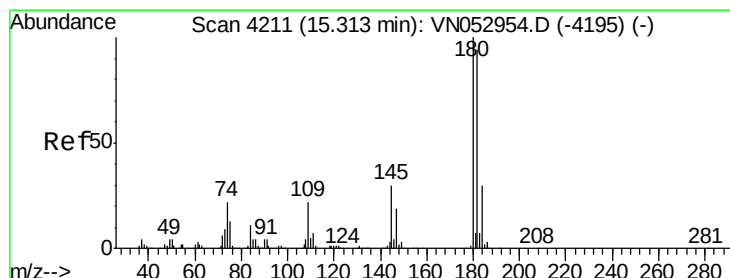
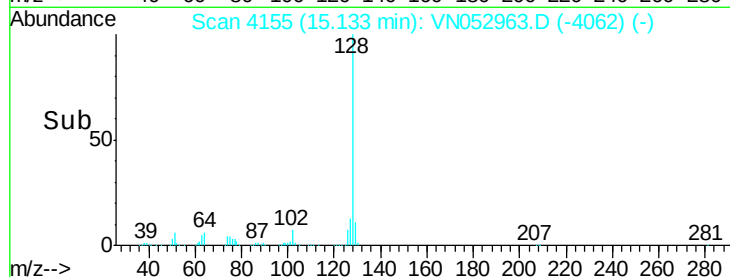
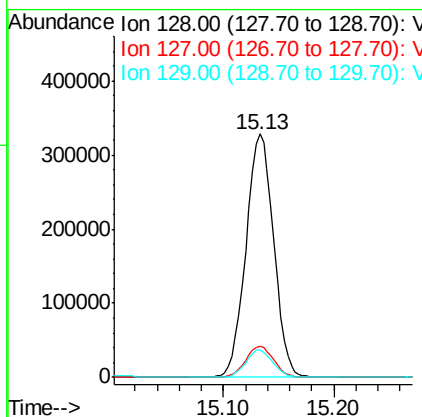
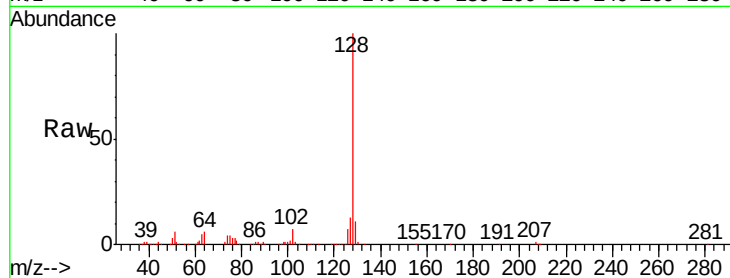
ClientSampleId :

VN1218MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	569802		
127	13.0	10.2	15.4	
129	11.0	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
12/19/2018 12:06:49 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.107 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052963.D

Acq: 18 Dec 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	234936		
182	95.3	47.9	143.7	
145	29.8	15.0	45.0	

