

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122718\
 Data File : VN053209.D
 Acq On : 27 Dec 2018 15:10
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/28/2018 10:14:10 AM

Quant Time: Dec 28 01:29:36 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	7.66	168	941733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1412116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1289529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	596959	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	496339	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
35) Dibromofluoromethane	7.59	113	433617	67.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.44%	
50) Toluene-d8	10.09	98	1851466	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
62) 4-Bromofluorobenzene	12.40	95	665592	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	428054	44.911	ug/l	99
3) Chloromethane	2.06	50	537163	46.509	ug/l	99
4) Vinyl Chloride	2.19	62	539239	46.100	ug/l	99
5) Bromomethane	2.57	94	374063	46.157	ug/l	98
6) Chloroethane	2.71	64	324623	46.859	ug/l	99
7) Trichlorofluoromethane	3.02	101	708885	48.648	ug/l	100
8) Diethyl Ether	3.41	74	267284	48.622	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	468931	50.473	ug/l	98
10) Methyl Iodide	3.95	142	634458	48.628	ug/l	100
11) Tert butyl alcohol	4.77	59	127692	218.981	ug/l	99
12) 1,1-Dichloroethene	3.74	96	432647	48.201	ug/l	98
13) Acrolein	3.61	56	147673	279.294	ug/l	99
14) Allyl chloride	4.33	41	739056	53.156	ug/l	94
15) Acrylonitrile	4.98	53	752708	232.352	ug/l	99
16) Acetone	3.81	43	418595	223.395	ug/l	96
17) Carbon Disulfide	4.06	76	1175283	40.149	ug/l	100
18) Methyl Acetate	4.32	43	426560	50.153	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1177051	49.002	ug/l	99
20) Methylene Chloride	4.55	84	510943	49.988	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	458593	47.553	ug/l	100
22) Diisopropyl ether	5.95	45	1564926	52.732	ug/l	98
23) Vinyl Acetate	5.89	43	4364043	255.727	ug/l	99
24) 1,1-Dichloroethane	5.85	63	895793	50.796	ug/l	99
25) 2-Butanone	6.83	43	751904	239.104	ug/l	98
26) 2,2-Dichloropropane	6.82	77	690551	51.297	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	547970	50.190	ug/l	98
28) Bromochloromethane	7.19	49	364418	47.689	ug/l	97
29) Tetrahydrofuran	7.21	42	534808	227.708	ug/l	99
30) Chloroform	7.37	83	880938	50.852	ug/l	99
31) Cyclohexane	7.65	56	810090	48.957	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	730727	49.515	ug/l	100
36) 1,1-Dichloropropene	7.79	75	679715	50.149	ug/l	100
37) Ethyl Acetate	6.92	43	362983	47.973	ug/l	100
38) Carbon Tetrachloride	7.77	117	631650	50.844	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	793884	48.216	ug/l	99
40) Benzene	8.04	78	2061679	51.138	ug/l	99
41) Methacrylonitrile	7.17	41	225324	51.540	ug/l	94
42) 1,2-Dichloroethane	8.12	62	594030	49.877	ug/l	98
43) Isopropyl Acetate	8.16	43	679607	46.337	ug/l	97
44) Trichloroethene	8.83	130	569144	48.808	ug/l	96
45) 1,2-Dichloropropane	9.12	63	553745	52.732	ug/l	98
46) Dibromomethane	9.21	93	303143	49.555	ug/l	98
47) Bromodichloromethane	9.40	83	673538	51.797	ug/l	100
48) Methyl methacrylate	9.20	41	349106	47.548	ug/l	98
49) 1,4-Dioxane	9.20	88	84453	909.307	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1764922	240.863	ug/l	99
52) Toluene	10.16	92	1281918	51.300	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	697456	51.007	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	821188	52.321	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	440627	50.543	ug/l	100
56) Ethyl methacrylate	10.43	69	571279	49.509	ug/l	97
57) 1,3-Dichloropropane	10.71	76	759343	50.794	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1481524	233.871	ug/l	99
59) 2-Hexanone	10.75	43	1221586	246.404	ug/l	100
60) Dibromochloromethane	10.90	129	512824	51.390	ug/l	100
61) 1,2-Dibromoethane	11.00	107	444636	50.219	ug/l	100
64) Tetrachloroethene	10.63	164	614427	43.987	ug/l	99
65) Chlorobenzene	11.43	112	1459452	51.056	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	510185	51.324	ug/l	99
67) Ethyl Benzene	11.51	91	2524111	51.346	ug/l	100
68) m/p-Xylenes	11.62	106	1910909	102.252	ug/l	99
69) o-Xylene	11.95	106	932499	52.000	ug/l	100
70) Styrene	11.96	104	1533430	52.440	ug/l	100
71) Bromoform	12.13	173	344516	47.975	ug/l #	99
73) Isopropylbenzene	12.25	105	2470897	52.902	ug/l	99
74) N-amyl acetate	12.07	43	636287	49.068	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	487695	53.223	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	378132m	37.628	ug/l	
77) Bromobenzene	12.53	156	635165	52.315	ug/l	98
78) n-propylbenzene	12.59	91	2834123	53.278	ug/l	99
79) 2-Chlorotoluene	12.67	91	1661253	50.383	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1980329	52.018	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	155093	49.744	ug/l	95
82) 4-Chlorotoluene	12.77	91	1693404	52.464	ug/l	100
83) tert-Butylbenzene	12.99	119	1747592	51.904	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1988637	51.962	ug/l	100
85) sec-Butylbenzene	13.17	105	2341705	51.419	ug/l	100
86) p-Isopropyltoluene	13.29	119	2038549	51.804	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1090147	50.732	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1072759	49.297	ug/l	100
89) n-Butylbenzene	13.62	91	1698107	50.159	ug/l	100
90) Hexachloroethane	13.87	117	317996	52.659	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	983993	48.655	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64642	40.800	ug/l	99

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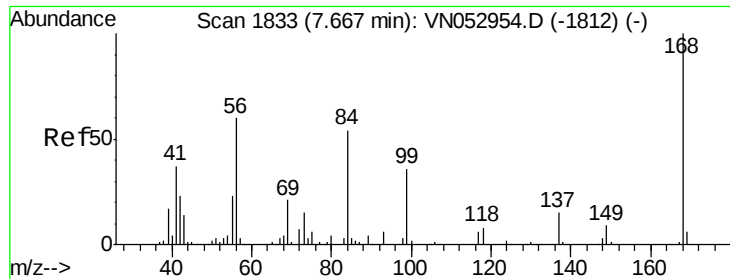
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	481993	45.044	ug/l	100
94) Hexachlorobutadiene	15.01	225	299915	54.308	ug/l	99
95) Naphthalene	15.13	128	943234	40.412	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	415955	43.180	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 941733

Ion Ratio Lower Upper

168 100

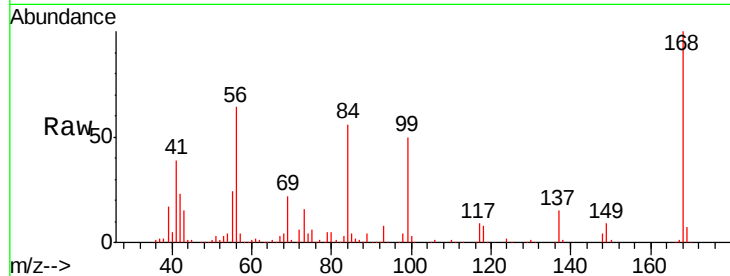
99 50.0 40.2 60.2

Manual Integrations

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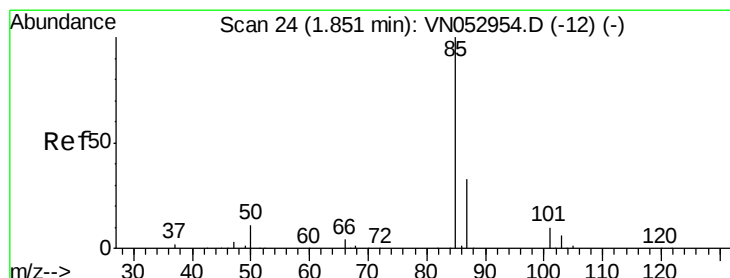
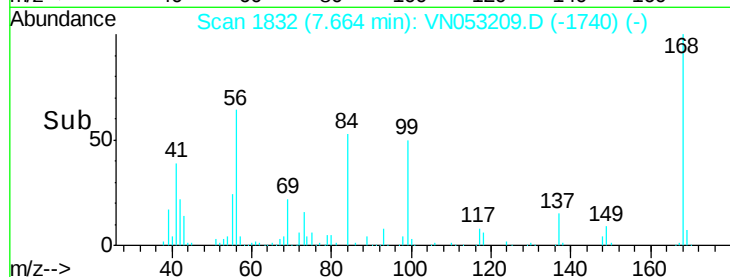
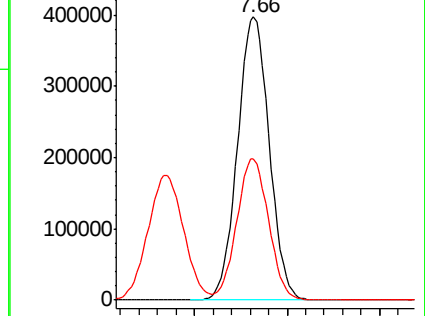
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12/28/2018 10:14:10 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.911 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053209.D

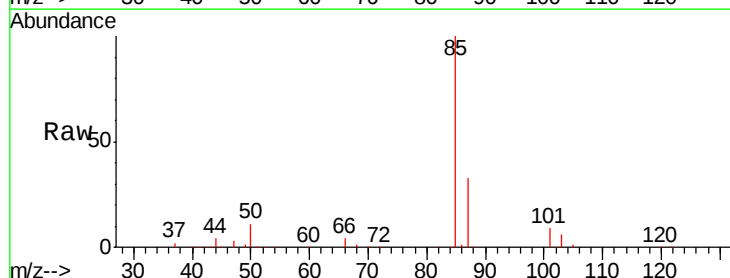
Acq: 27 Dec 2018 15:10

Tgt Ion: 85 Resp: 428054

Ion Ratio Lower Upper

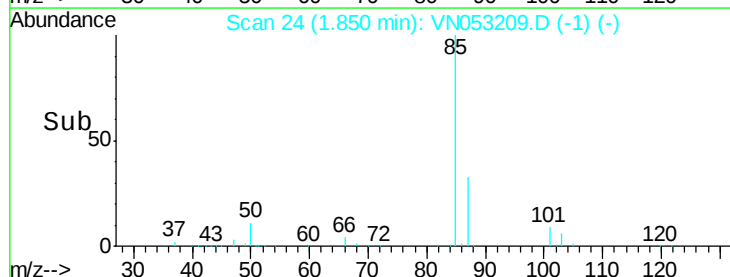
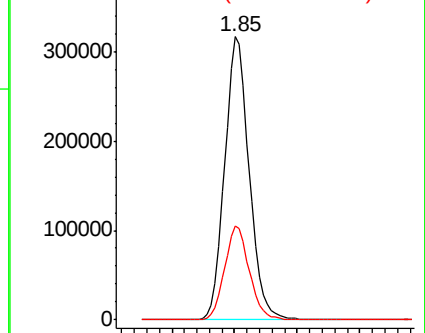
85 100

87 33.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.509 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 537163

Ion Ratio Lower Upper

50 100

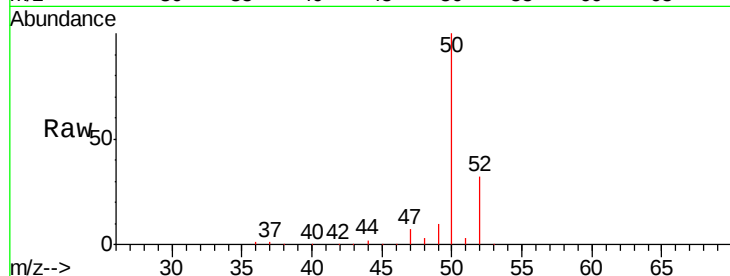
52 32.2 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

400000

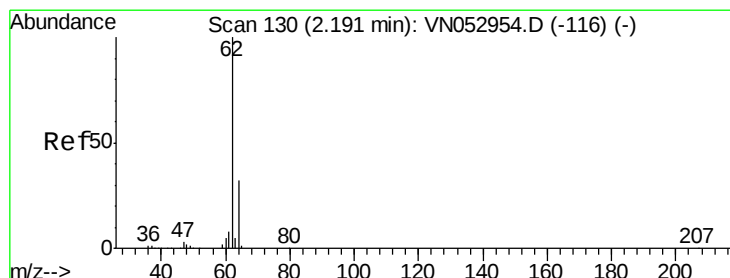
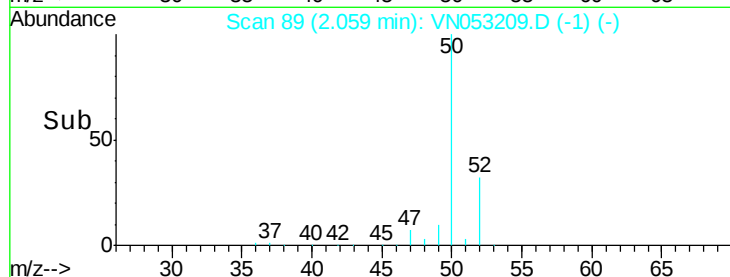
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 46.100 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053209.D

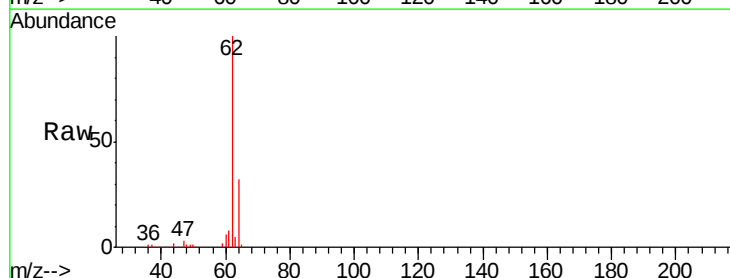
Acq: 27 Dec 2018 15:10

Tgt Ion: 62 Resp: 539239

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

400000

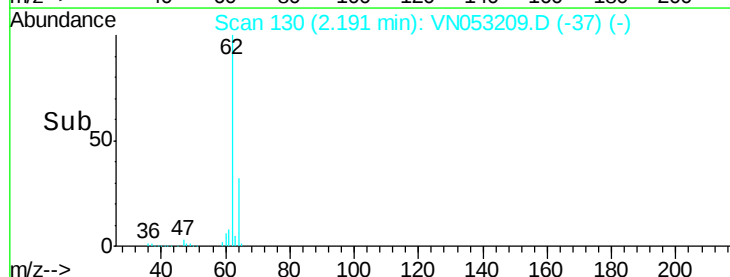
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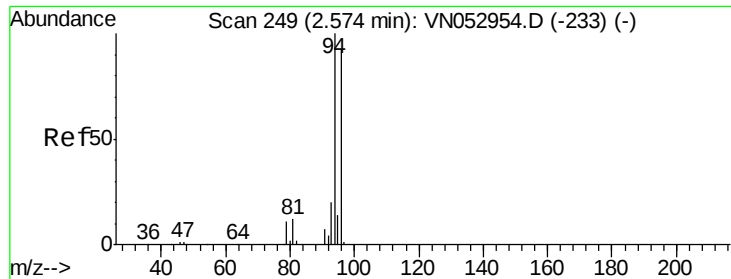
200000

100000

0

Time-->





#5

Bromomethane

Concen: 46.157 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

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VSTDCCC050EC

Tgt Ion: 94 Resp: 374063

Ion Ratio Lower Upper

94 100

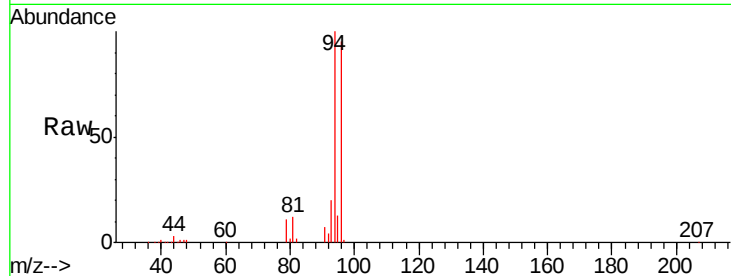
96 95.2 75.0 112.4

Manual Integrations

APPROVED

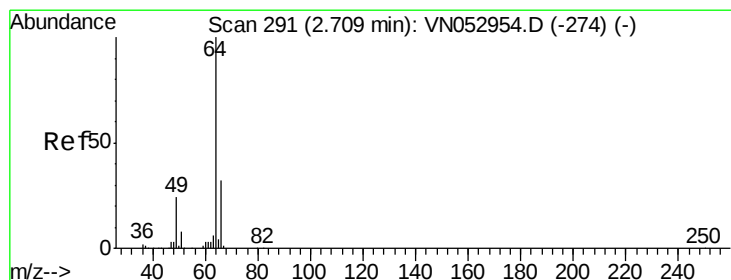
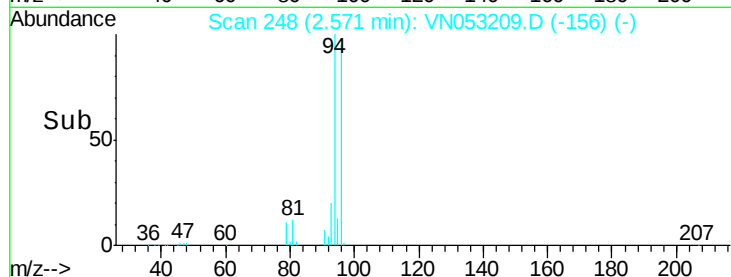
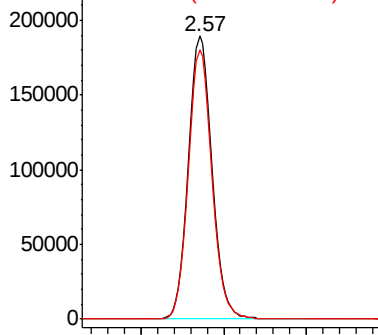
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12/28/2018 10:14:10 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.859 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053209.D

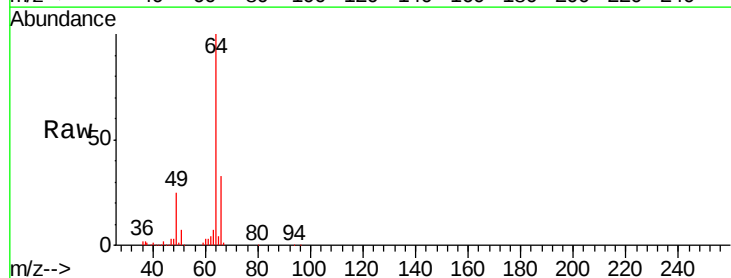
Acq: 27 Dec 2018 15:10

Tgt Ion: 64 Resp: 324623

Ion Ratio Lower Upper

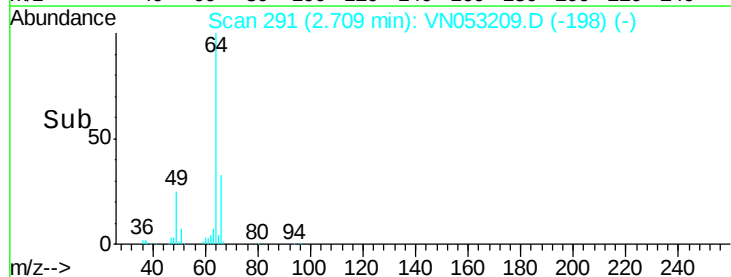
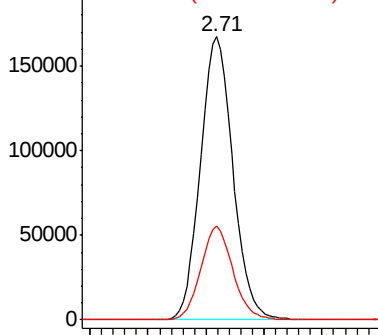
64 100

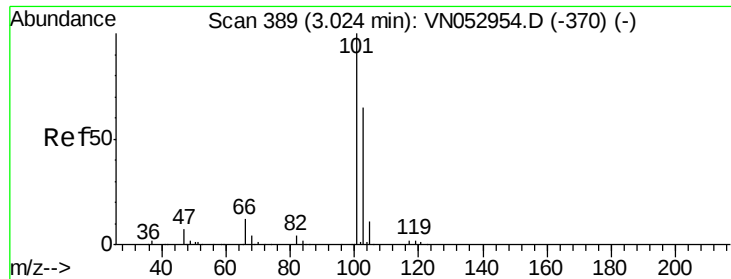
66 33.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

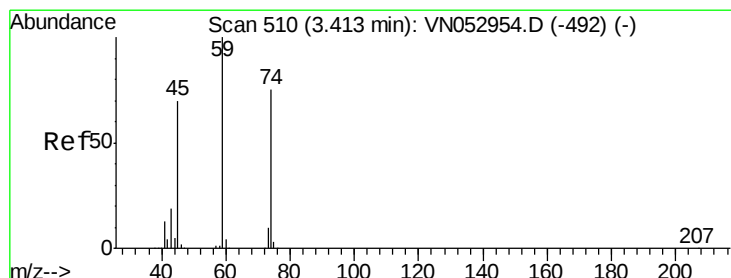
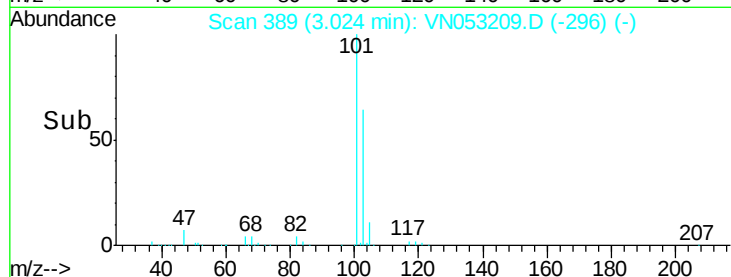
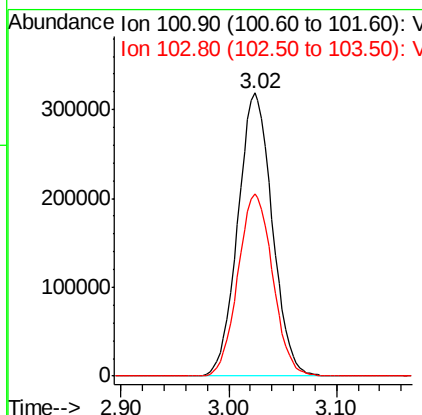
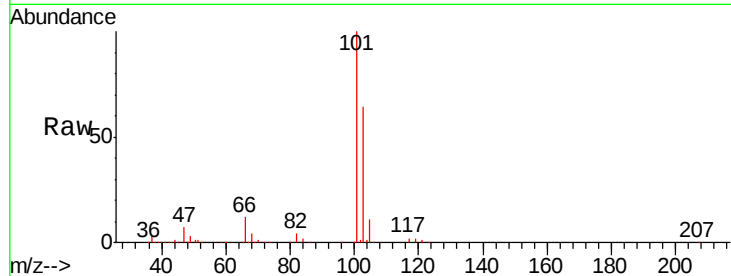
Trichlorofluoromethane
 Concen: 48.648 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.8	77.6

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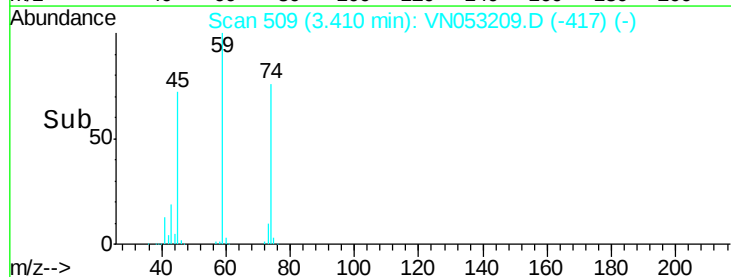
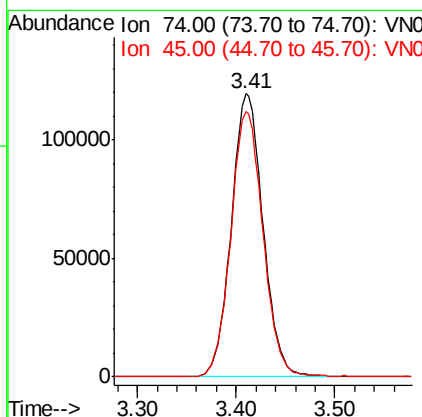
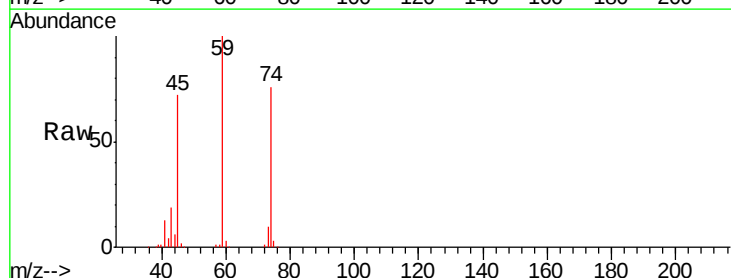
MMDadoda
 12/28/2018 10:14:10 AM

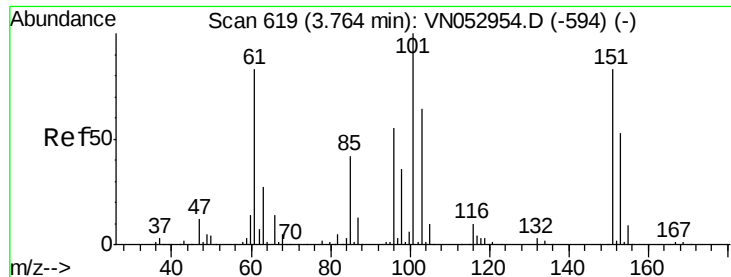


#8

Diethyl Ether
 Concen: 48.622 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.473 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

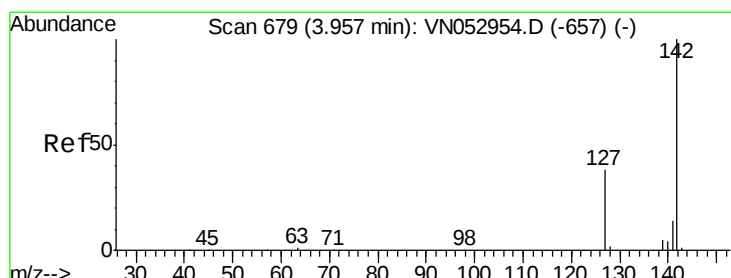
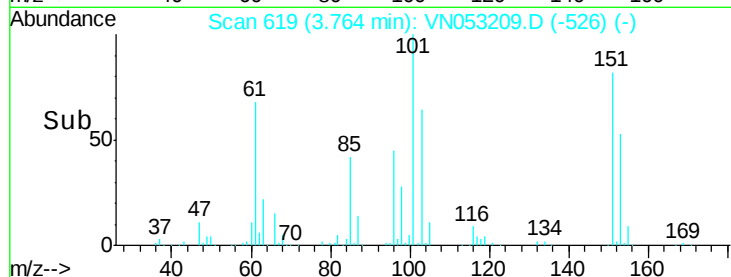
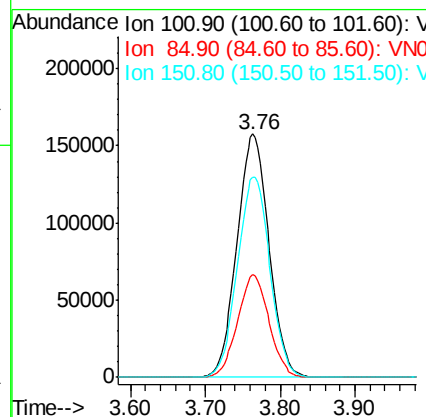
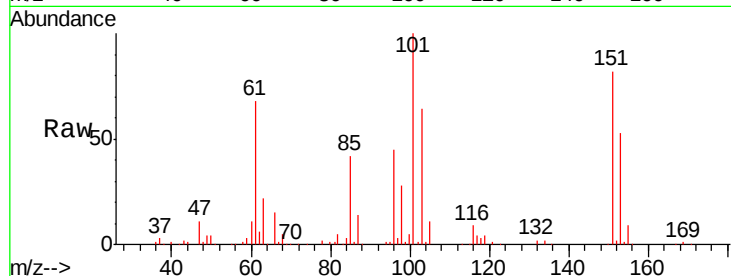
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	468931
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.6	50.4
151	83.7	65.5	98.3

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#10

Methyl Iodide

Concen: 48.628 ug/l

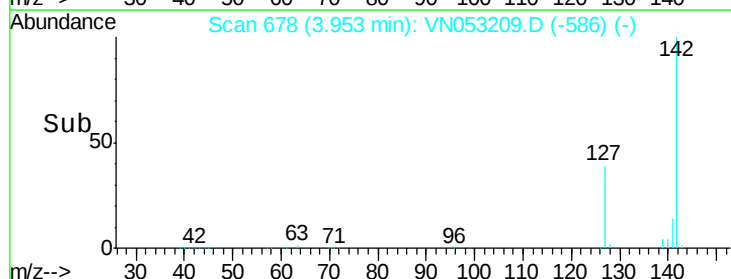
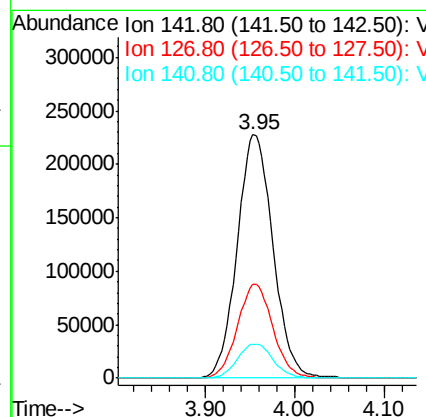
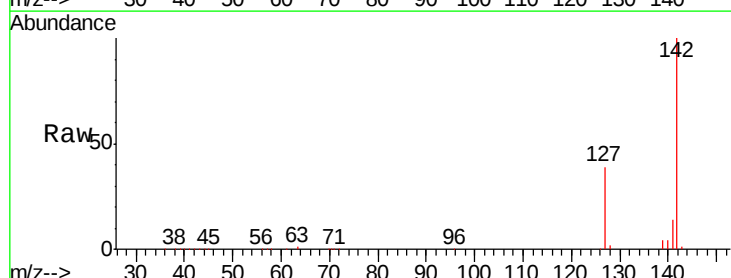
RT: 3.95 min Scan# 678

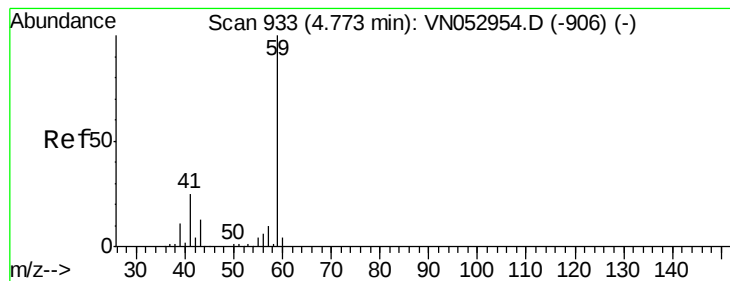
Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Tgt Ion:	142	Resp:	634458
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.0	46.6
141	14.0	11.2	16.8





#11

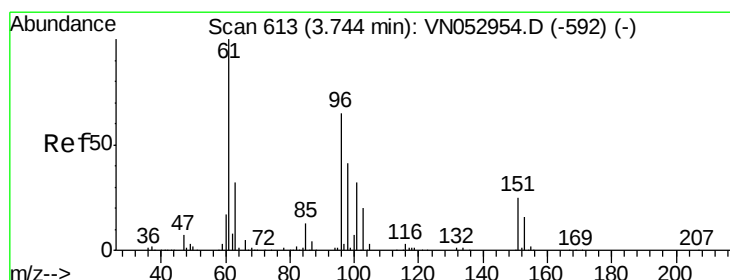
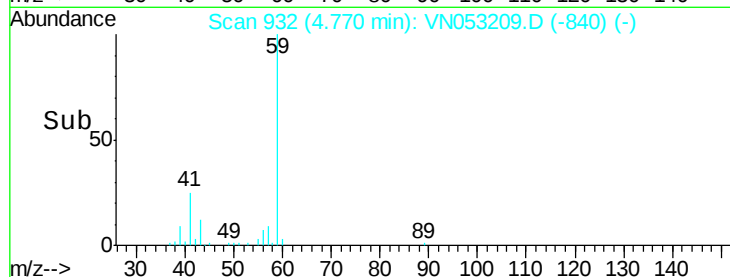
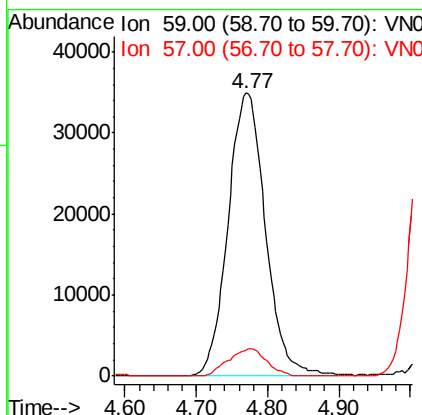
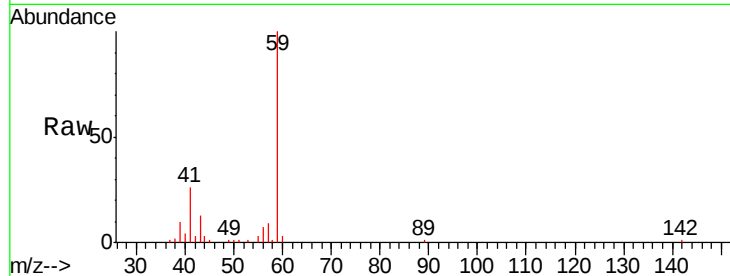
Tert butyl alcohol
 Concen: 218.981 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 59 Resp: 127692
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.7 11.5

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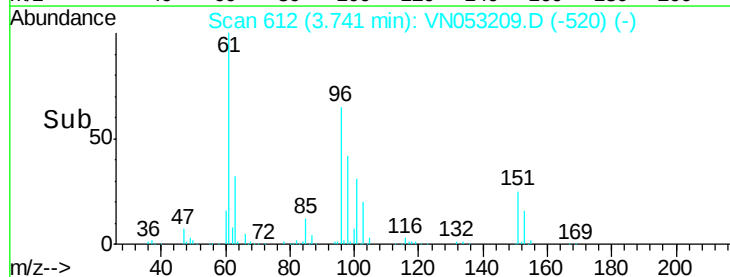
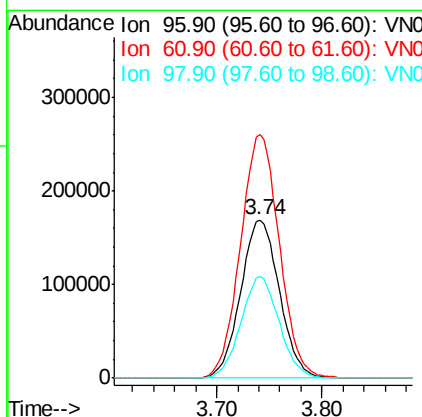
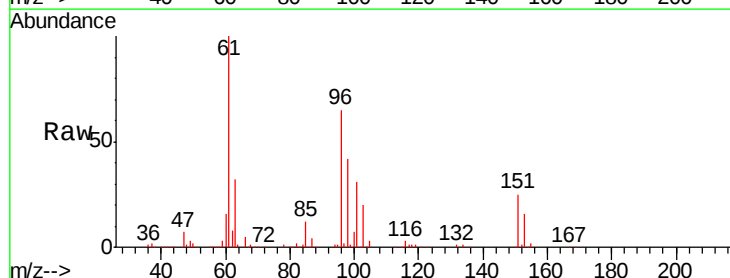
MMDadoda
 12/28/2018 10:14:10 AM

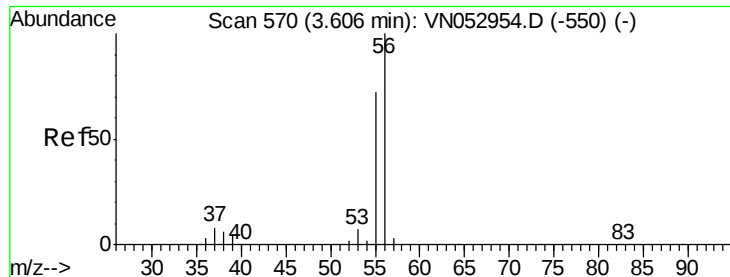


#12

1,1-Dichloroethene
 Concen: 48.201 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion: 96 Resp: 432647
 Ion Ratio Lower Upper
 96 100
 61 153.8 125.6 188.4
 98 64.3 50.6 75.8





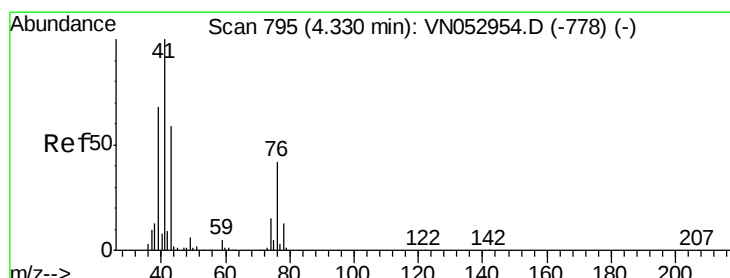
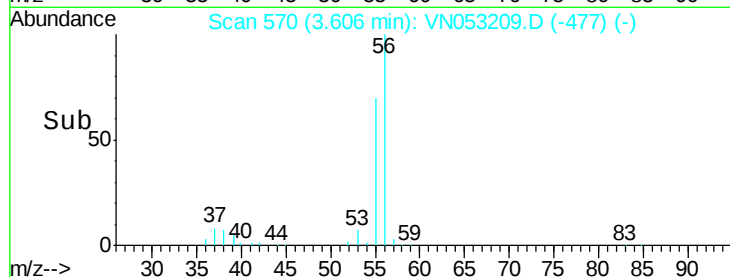
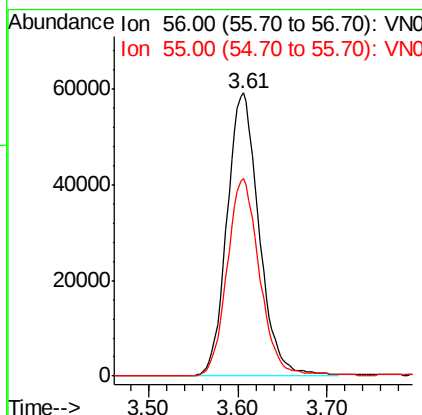
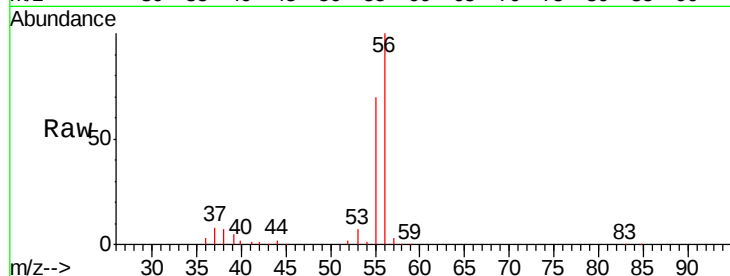
#13
Acrolein
Concen: 279.294 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.0	56.6	85.0

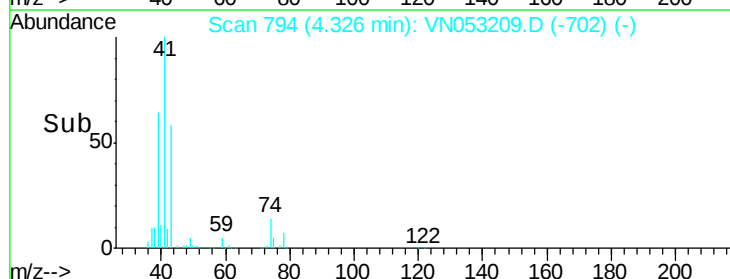
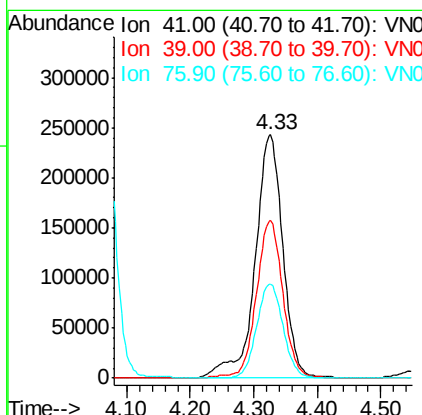
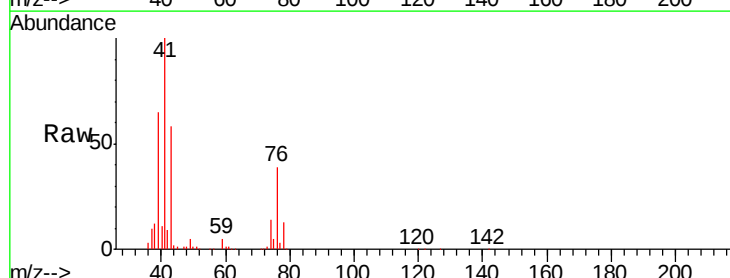
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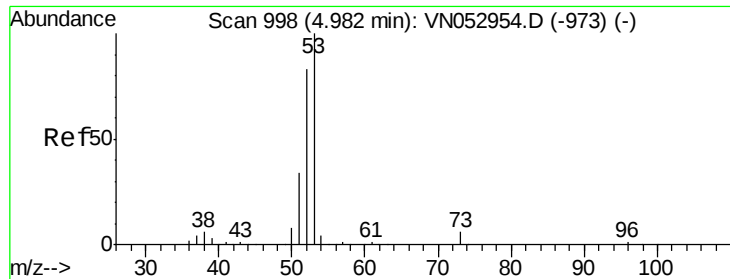
MMDadoda
12/28/2018 10:14:10 AM



#14
Allyl chloride
Concen: 53.156 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.8	54.1	81.1
76	36.4	30.3	45.5





#15

Acrylonitrile

Concen: 232.352 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

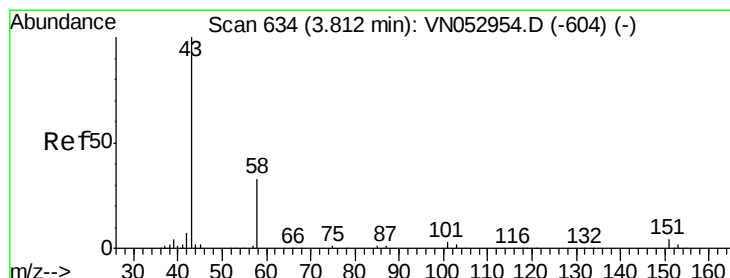
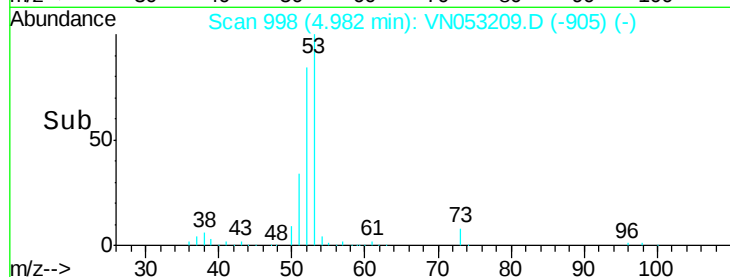
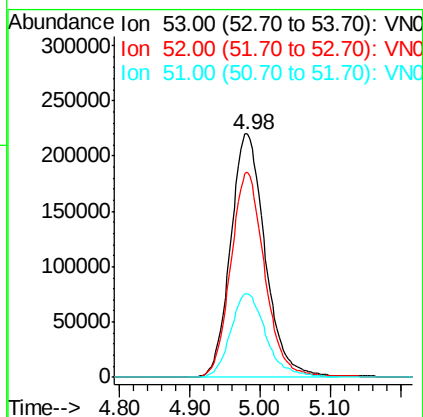
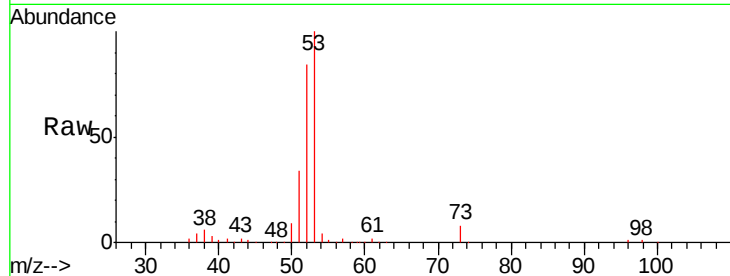
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	752708
Ion Ratio	Lower	Upper	
53	100		
52	82.8	65.1	97.7
51	35.4	28.1	42.1

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#16

Acetone

Concen: 223.395 ug/l

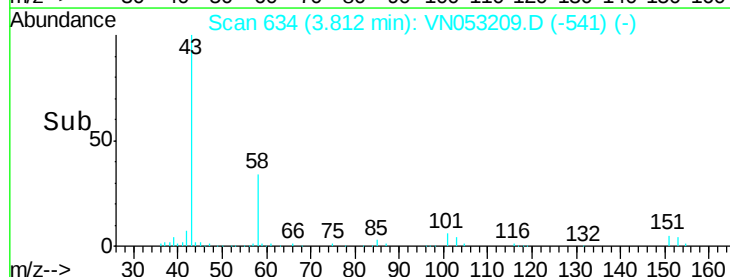
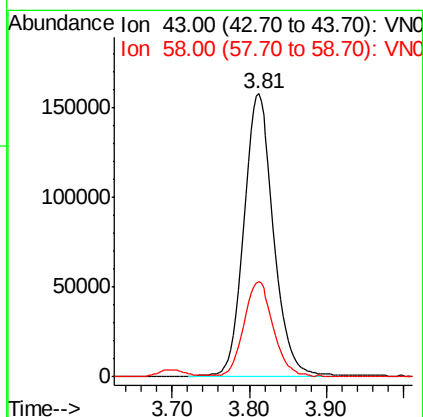
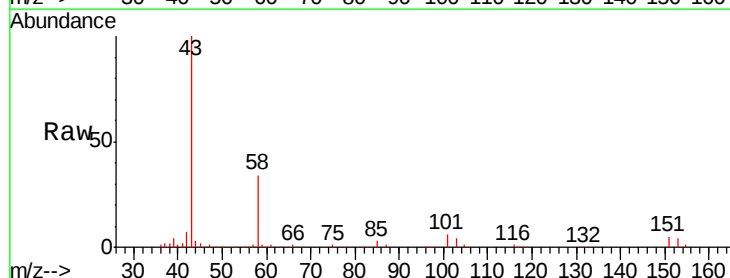
RT: 3.81 min Scan# 634

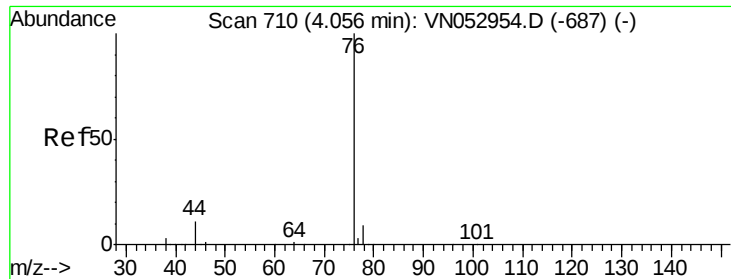
Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Tgt Ion:	43	Resp:	418595
Ion Ratio	Lower	Upper	
43	100		
58	33.6	25.4	38.0





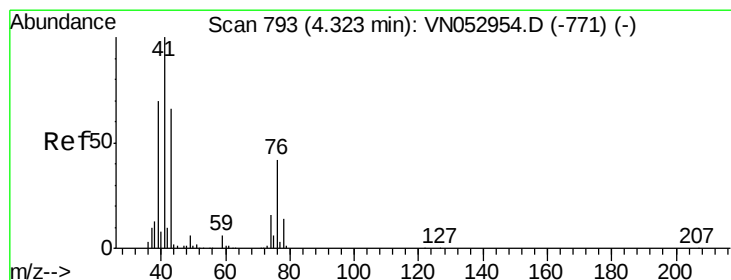
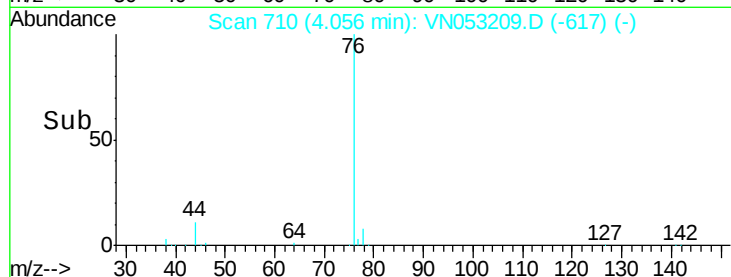
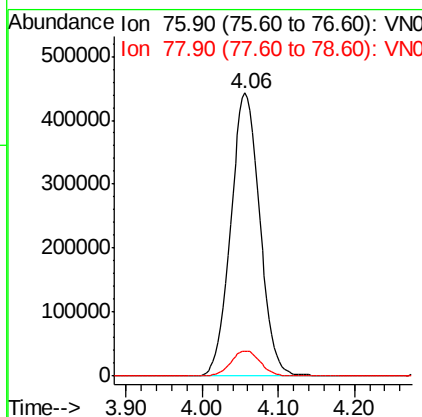
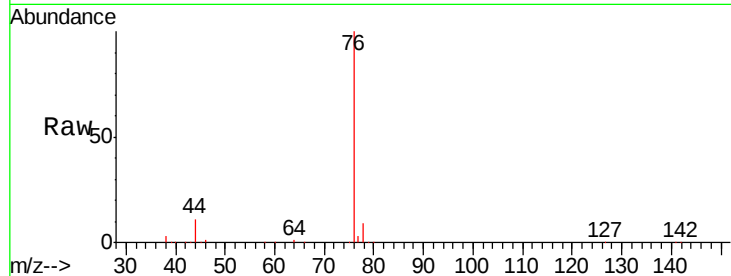
#17
Carbon Disulfide
Concen: 40.149 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 1175283
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7

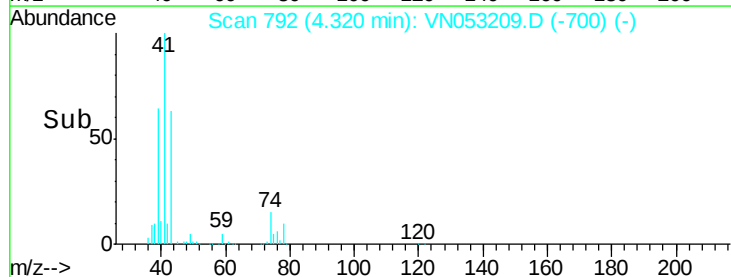
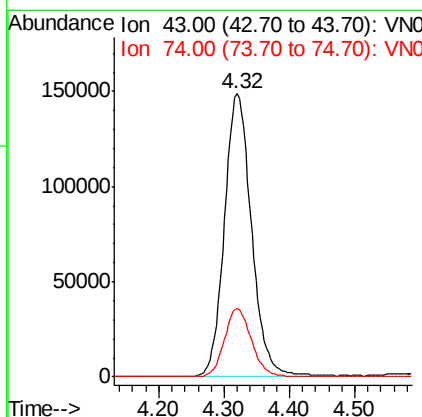
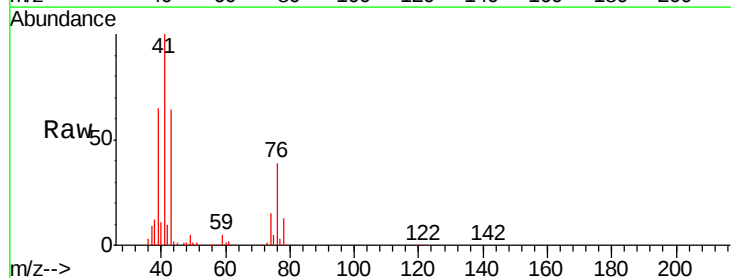
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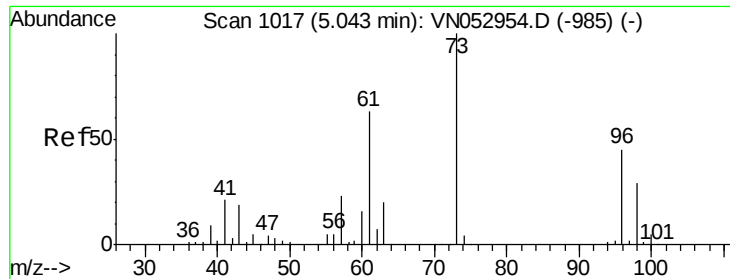
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#18
Methyl Acetate
Concen: 50.153 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion: 43 Resp: 426560
Ion Ratio Lower Upper
43 100
74 24.1 19.2 28.8





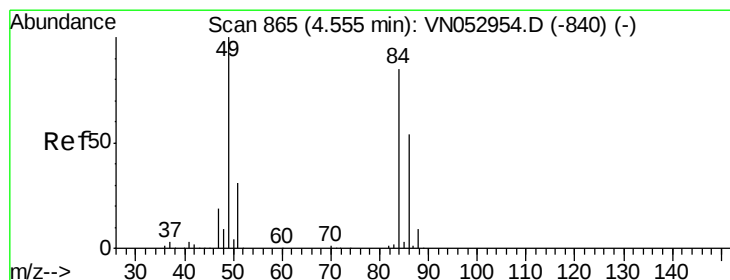
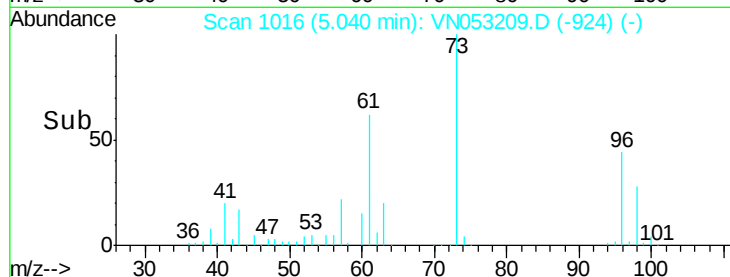
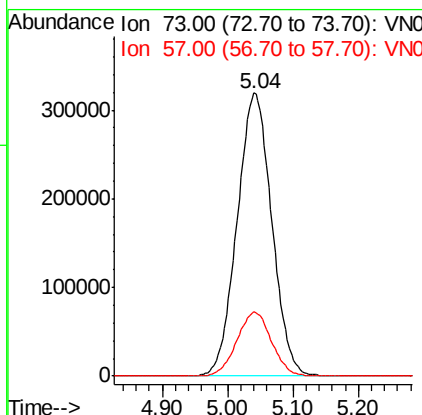
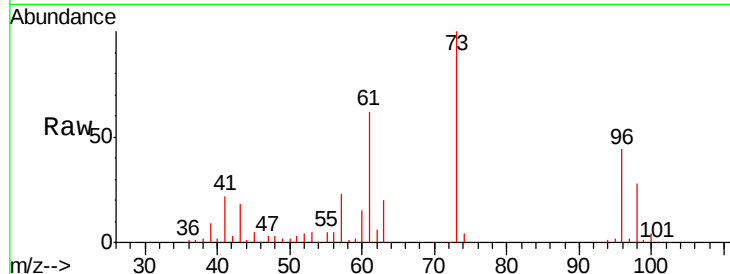
#19
Methyl tert-butyl Ether
Concen: 49.002 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 1177051
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6

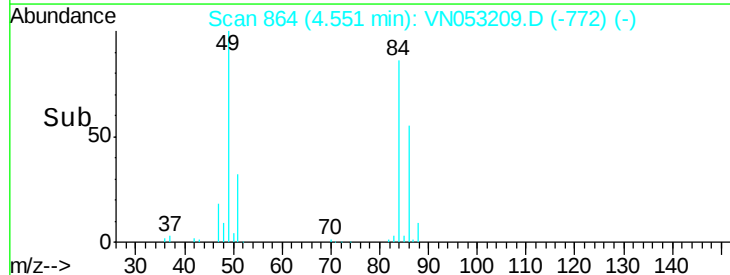
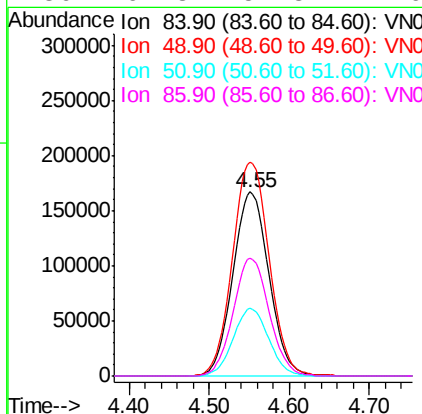
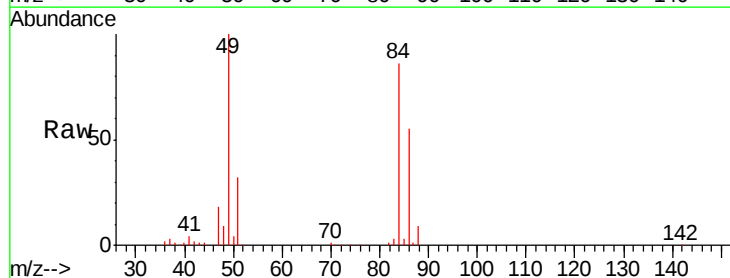
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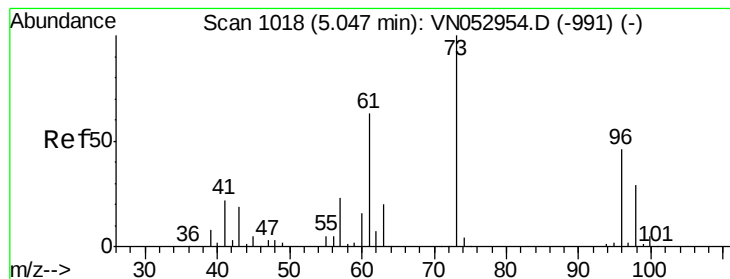
MMDadoda
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#20
Methylene Chloride
Concen: 49.988 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion: 84 Resp: 510943
Ion Ratio Lower Upper
84 100
49 116.2 96.8 145.2
51 36.7 29.9 44.9
86 64.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 47.553 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 458593

Ion Ratio Lower Upper

96 100

61 139.0 110.8 166.2

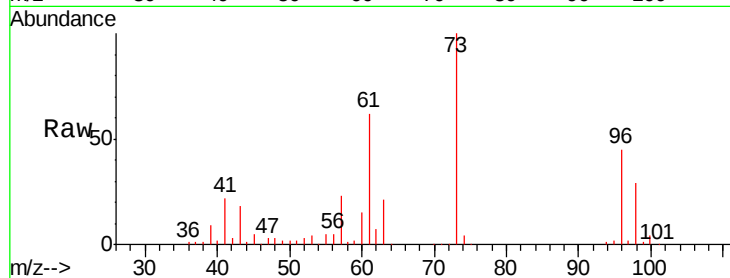
98 64.4 51.4 77.2

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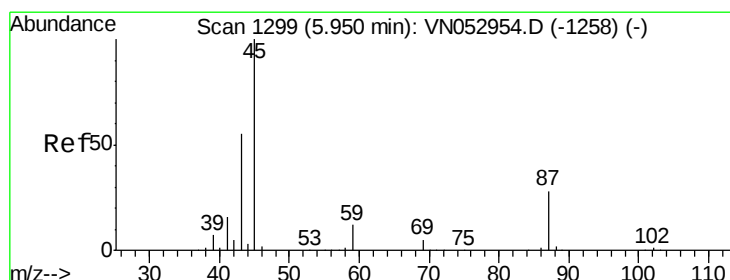
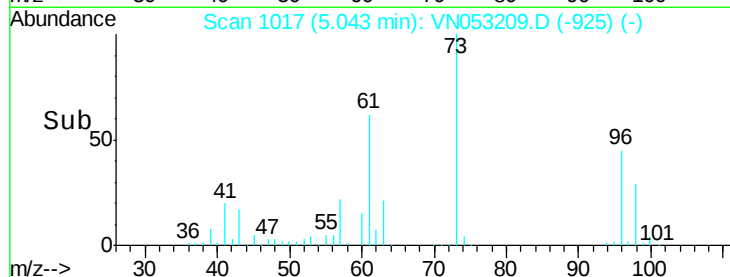
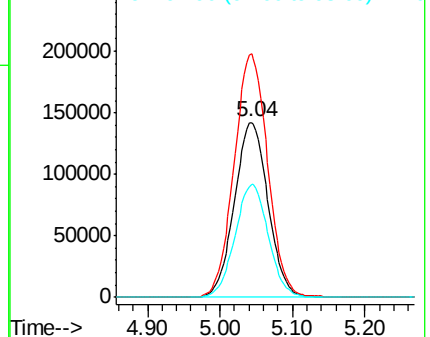


Abundance

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: 52.732 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Tgt Ion: 45 Resp: 1564926

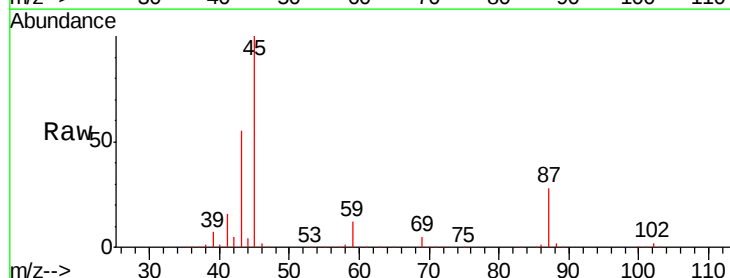
Ion Ratio Lower Upper

45 100

43 55.1 45.5 68.3

87 28.2 22.0 33.0

59 11.7 9.4 14.0



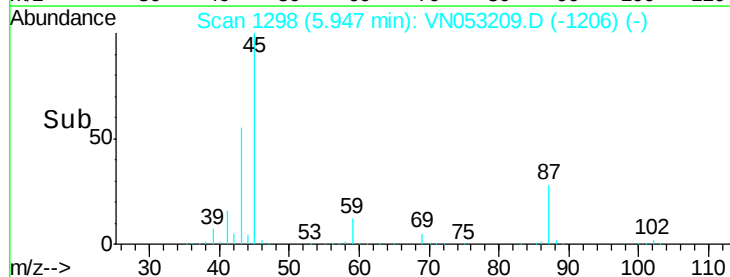
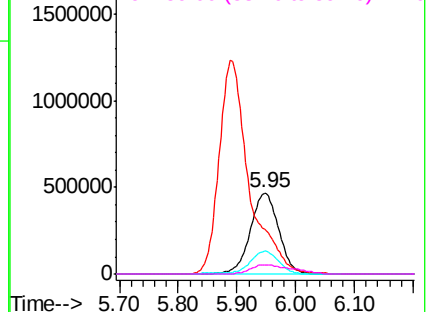
Abundance

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: 255.727 ug/l

RT: 5.89 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 4364043

Ion Ratio Lower Upper

43 100

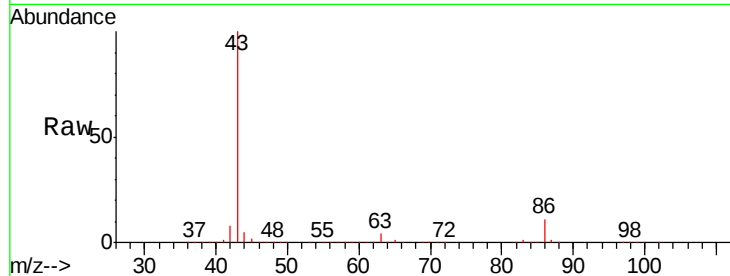
86 10.6 8.1 12.1

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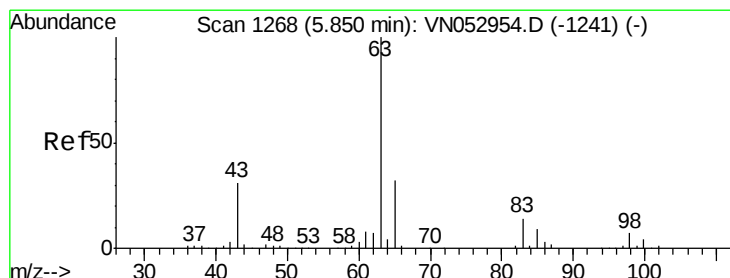
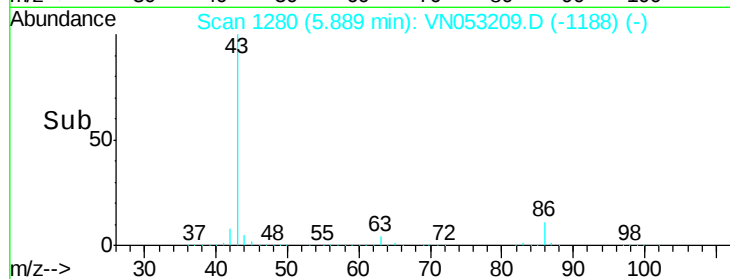
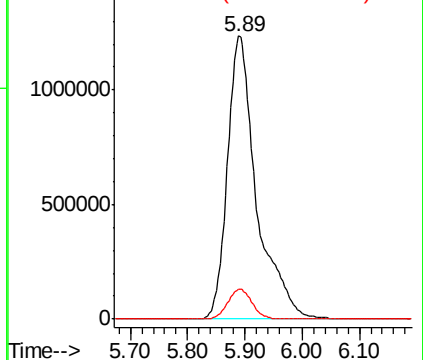
MMDadoda

12/28/2018 10:14:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.796 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

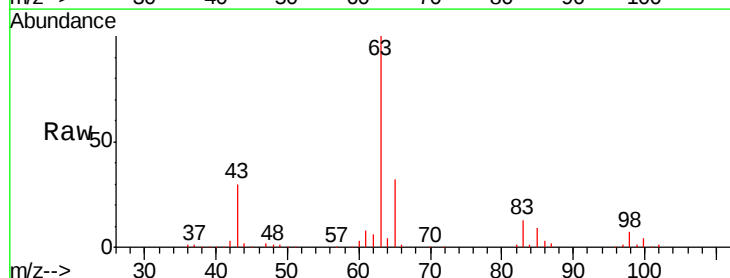
Tgt Ion: 63 Resp: 895793

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

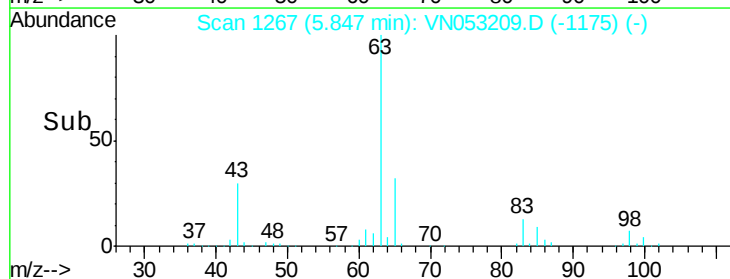
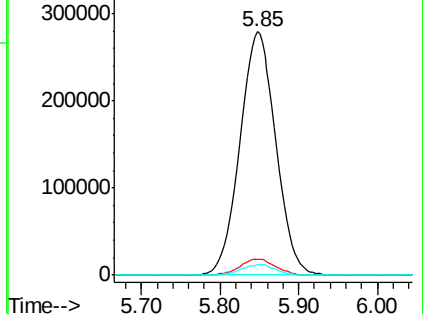
100 4.2 2.0 5.8

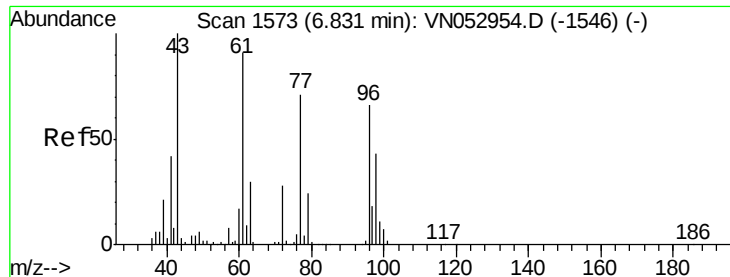


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





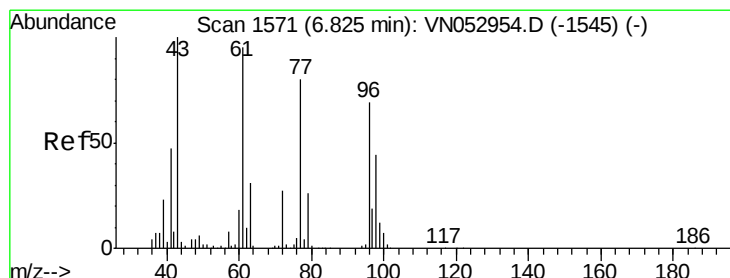
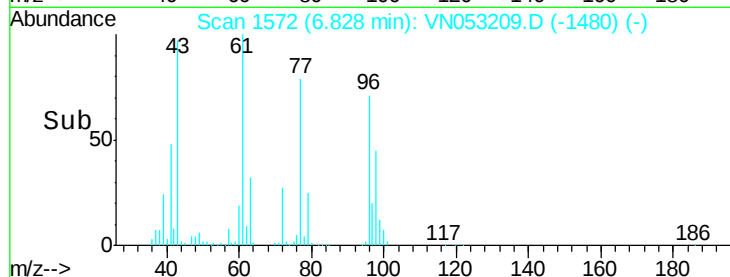
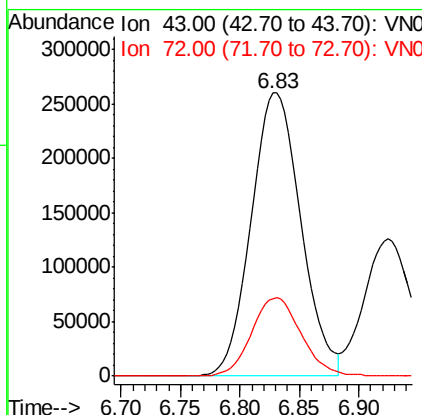
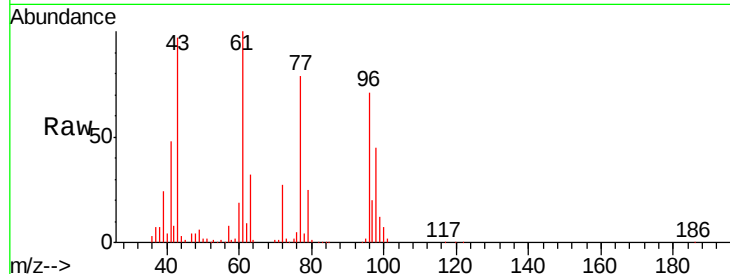
#25
2-Butanone
Concen: 239.104 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 751904
Ion Ratio Lower Upper
43 100
72 27.5 21.0 31.6

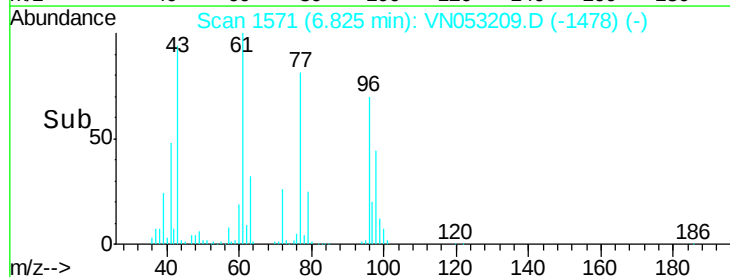
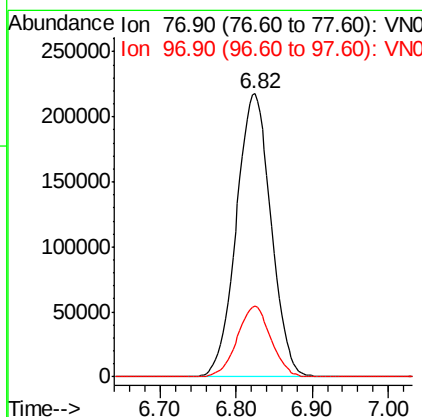
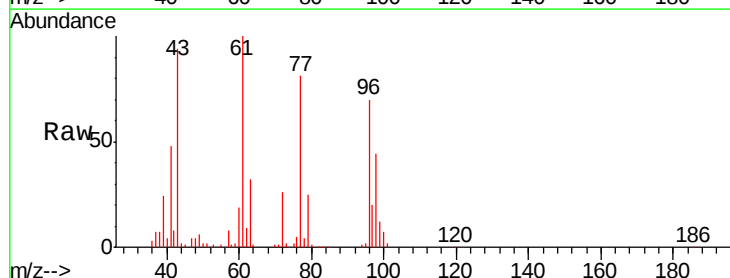
Manual Integrations
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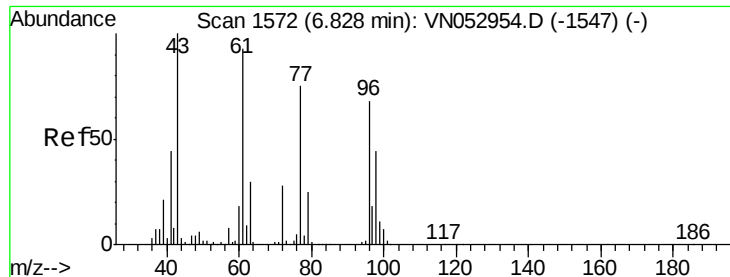
MMDadoda
12/28/2018 10:14:10 AM



#26
2,2-Dichloropropane
Concen: 51.297 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion: 77 Resp: 690551
Ion Ratio Lower Upper
77 100
97 24.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.190 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

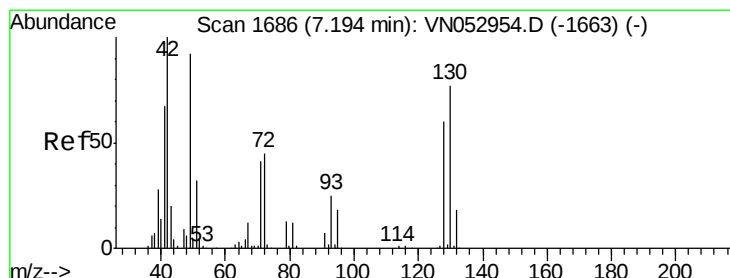
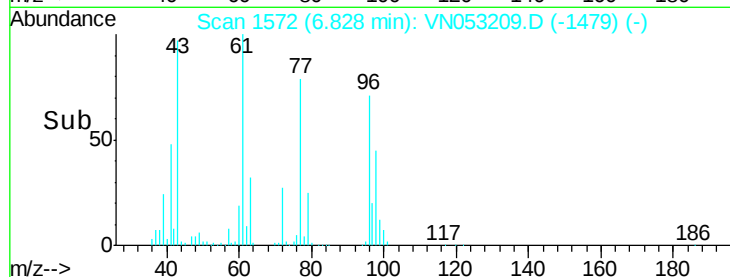
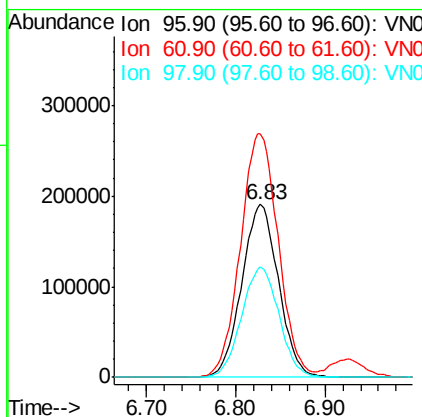
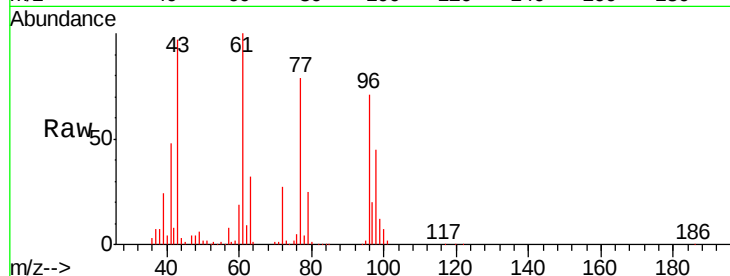
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	547970
Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	284.2
98	65.1	0.0	129.2

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#28

Bromochloromethane

Concen: 47.689 ug/l

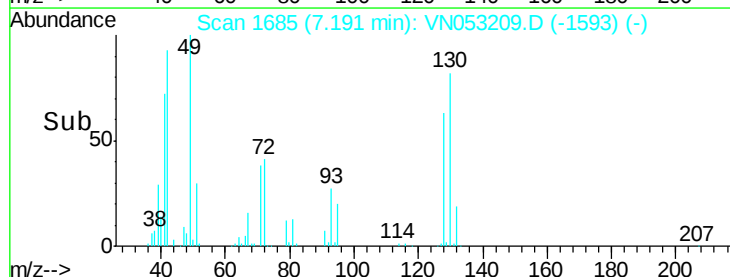
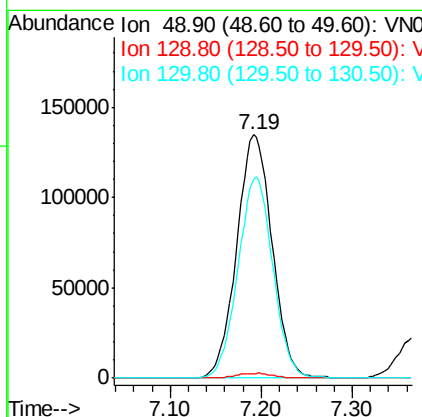
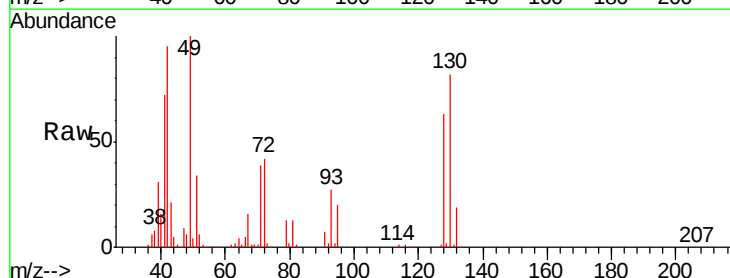
RT: 7.19 min Scan# 1685

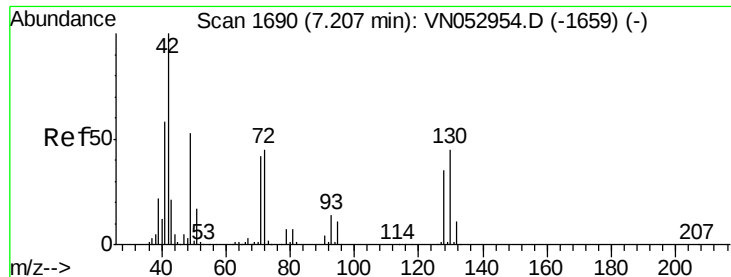
Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Tgt Ion:	49	Resp:	364418
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	81.6	63.3	94.9





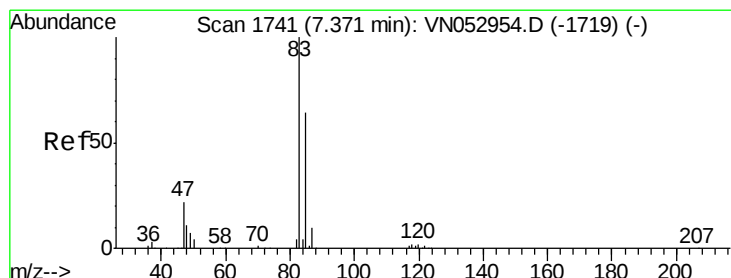
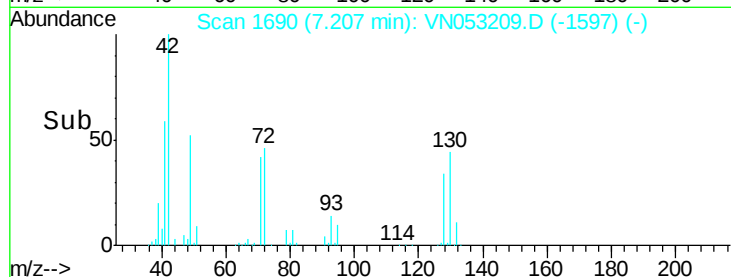
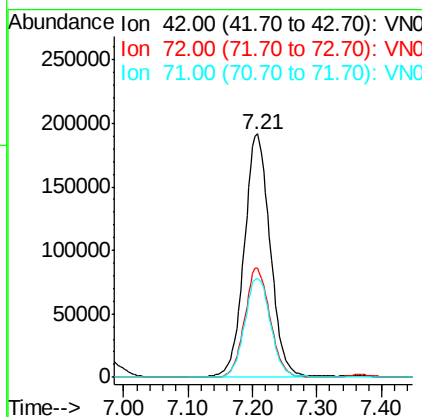
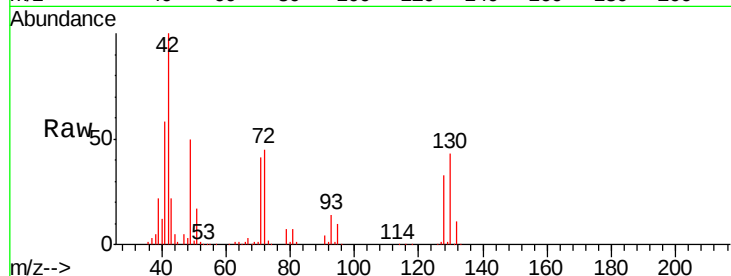
#29
Tetrahydrofuran
Concen: 227.708 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.7	52.1
71	41.1	32.3	48.5

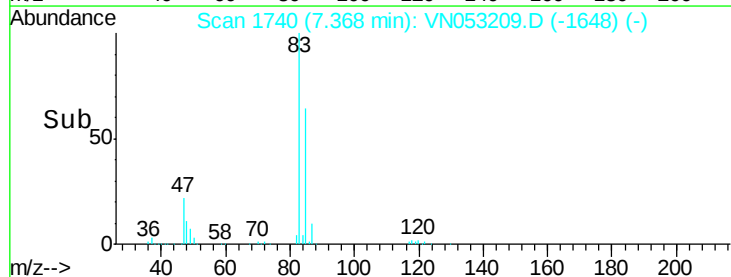
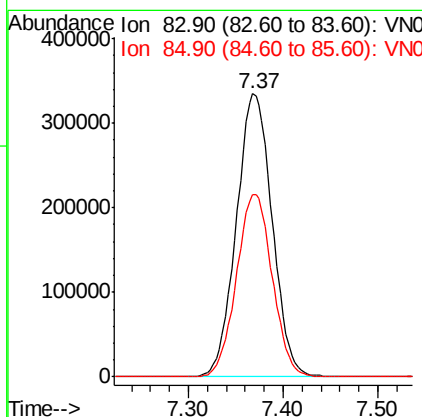
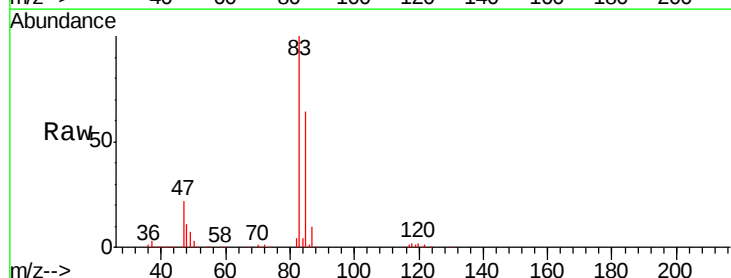
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#30
Chloroform
Concen: 50.852 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.1	78.1





#31

Cyclohexane

Concen: 48.957 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 810090
Ion Ratio Lower Upper

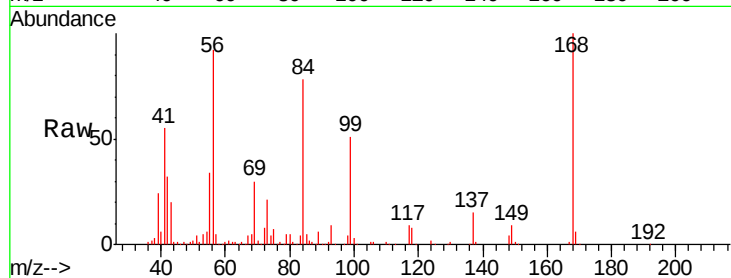
56 100

69 33.1 26.6 39.8

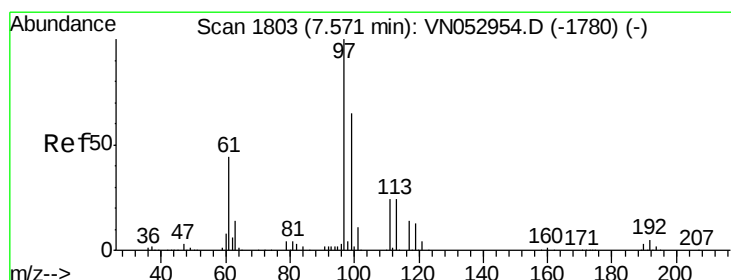
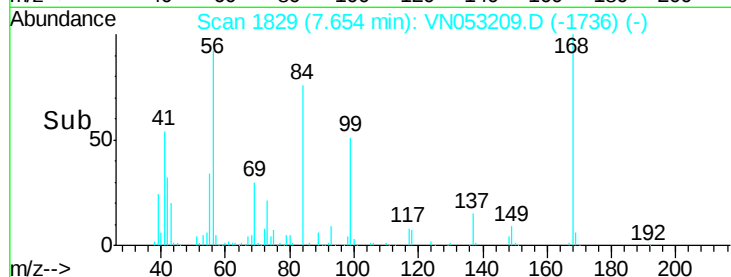
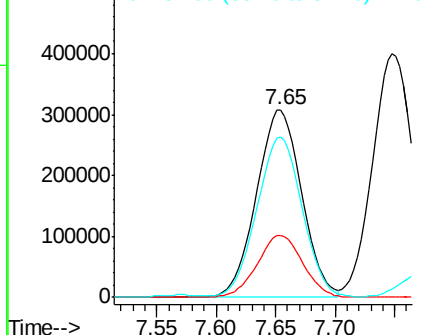
84 84.2 68.4 102.6

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12/28/2018 10:14:10 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 49.515 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN053209.D

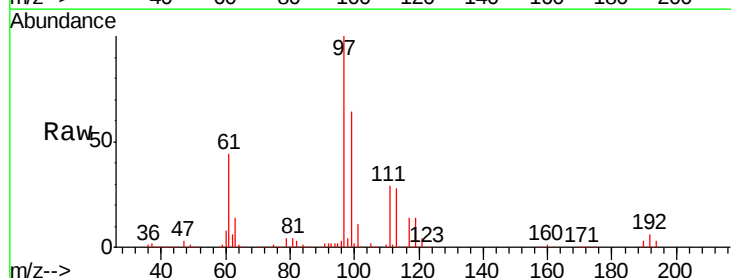
Acq: 27 Dec 2018 15:10

Tgt Ion: 97 Resp: 730727
Ion Ratio Lower Upper

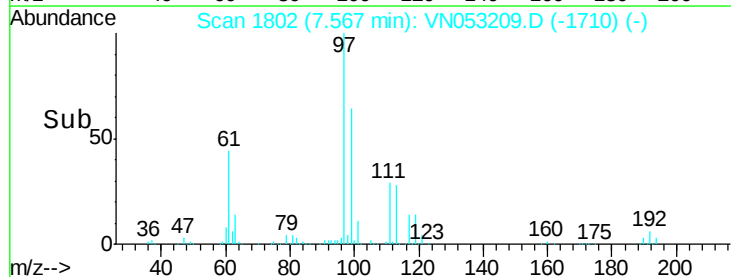
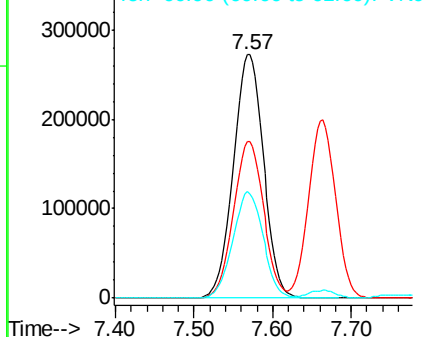
97 100

99 64.3 51.1 76.7

61 43.7 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





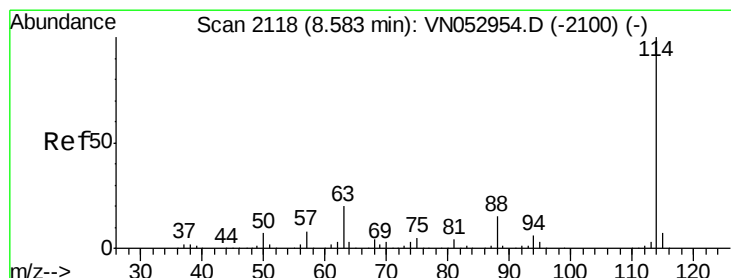
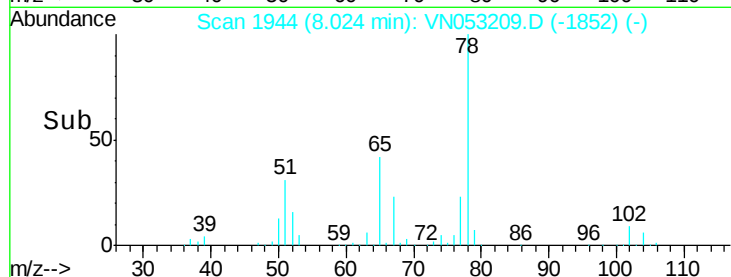
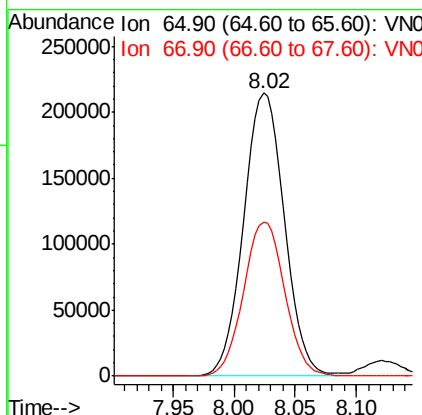
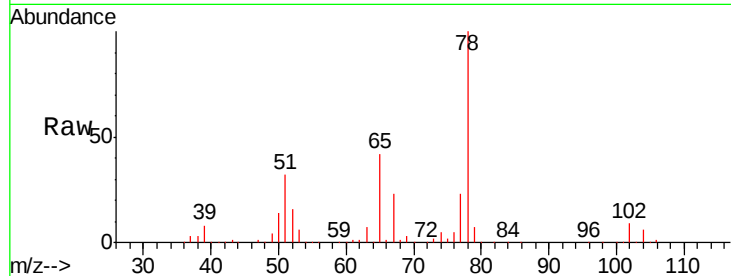
#33
 1,2-Dichloroethane-d4
 Concen: 49.515 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 496339
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4

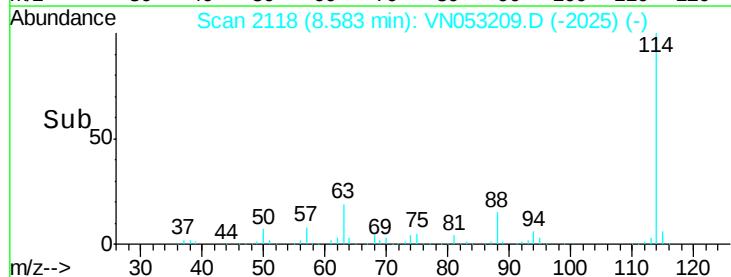
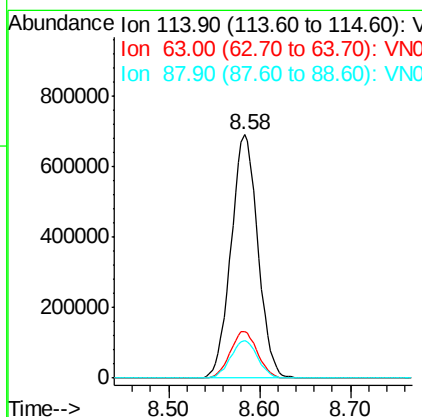
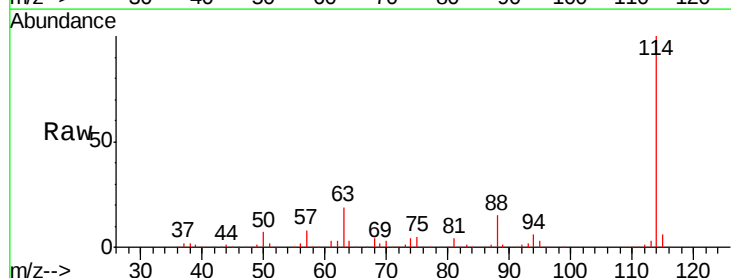
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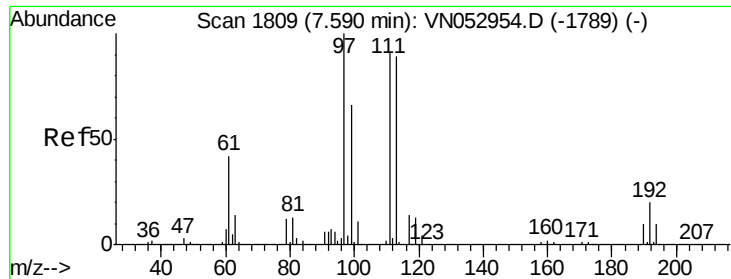
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion: 114 Resp: 1412116
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.8
 88 15.4 0.0 31.0





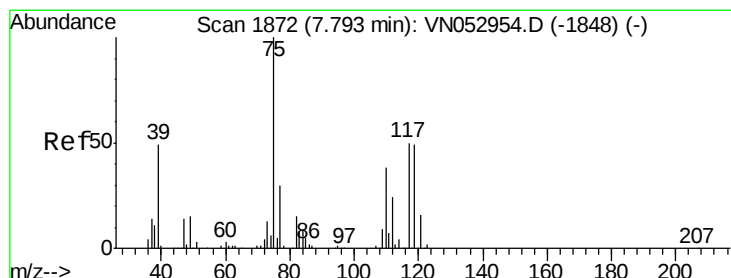
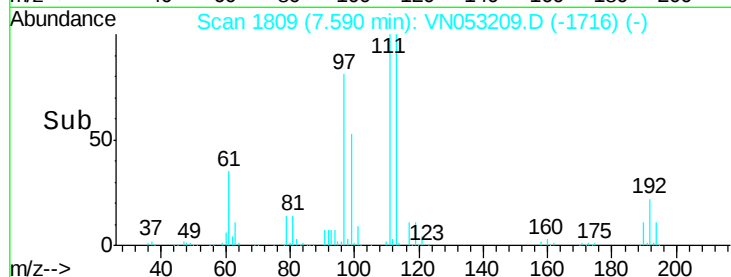
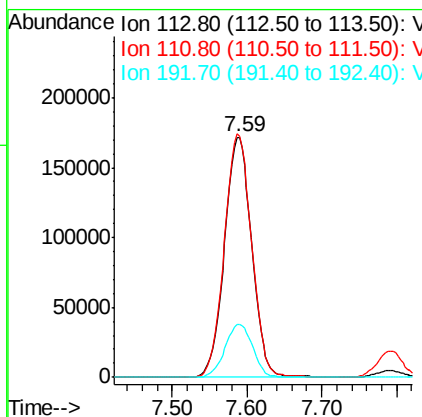
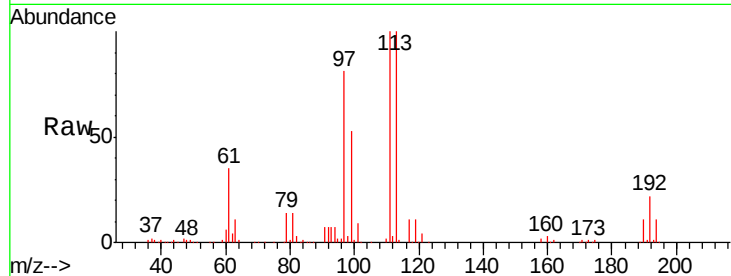
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	433617		
111	101.3	83.0	124.4	
192	22.5	17.5	26.3	

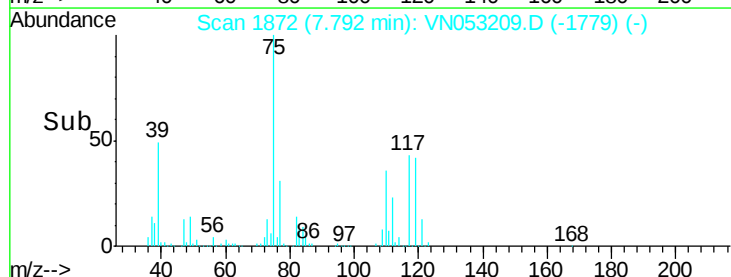
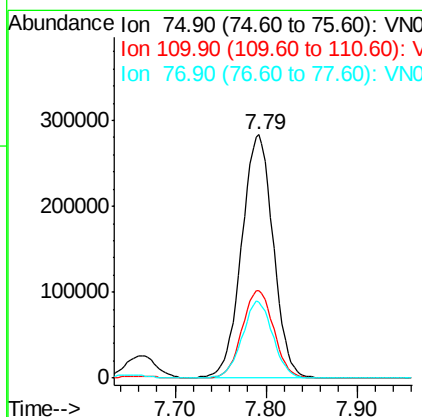
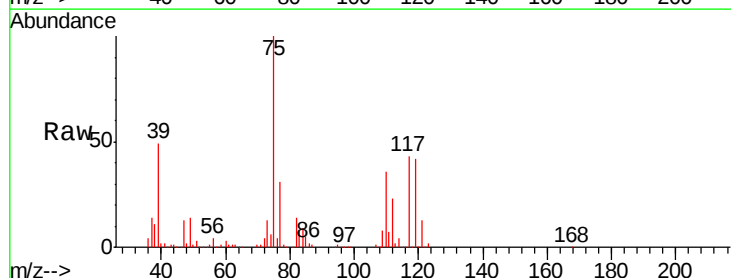
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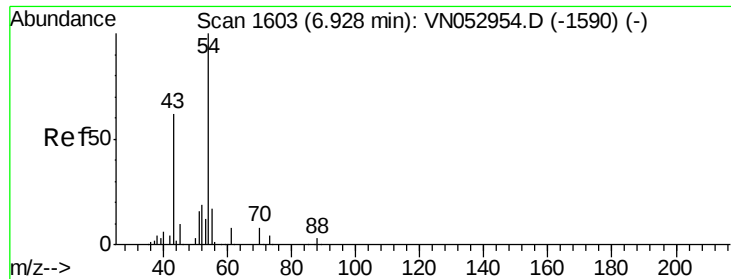
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#36
1,1-Dichloropropene
Concen: 50.149 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	679715		
110	36.2	18.2	54.6	
77	31.0	24.9	37.3	





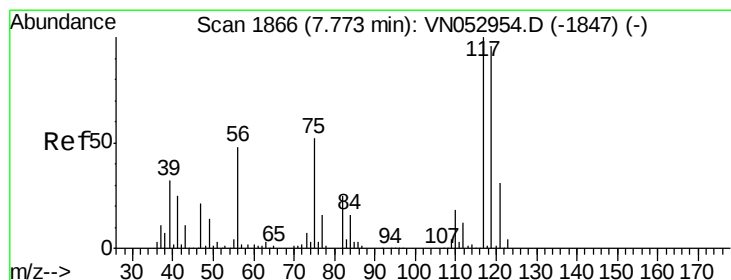
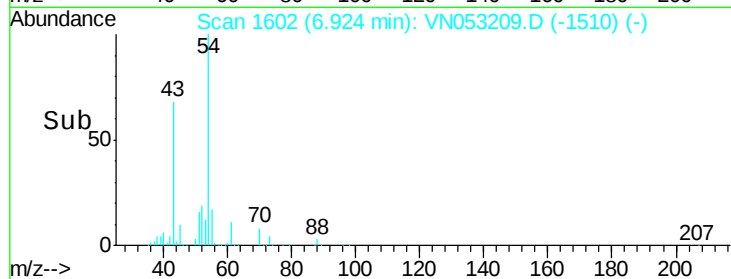
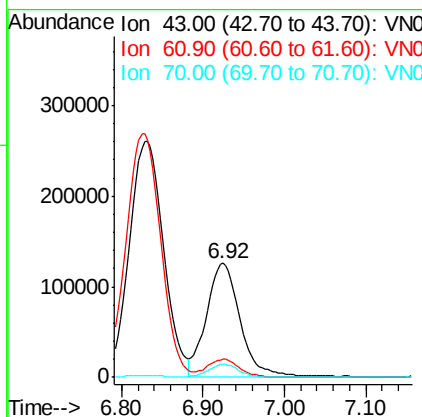
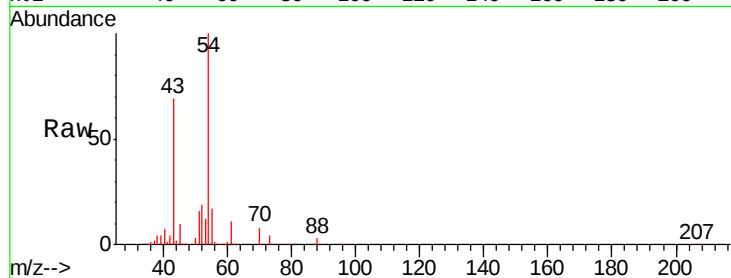
#37
Ethyl Acetate
Concen: 47.973 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.6
70	10.4	8.4	12.6

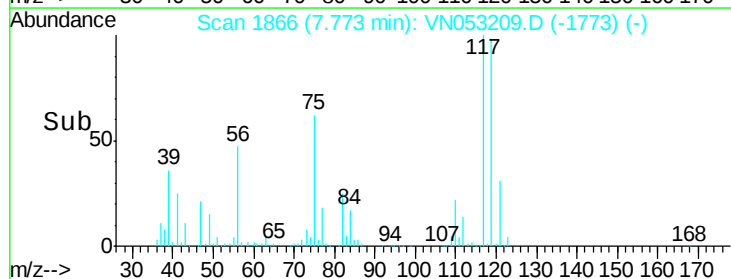
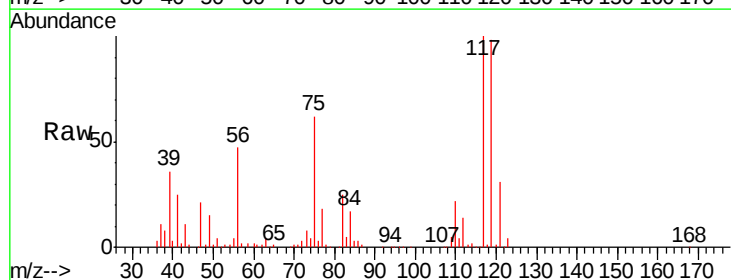
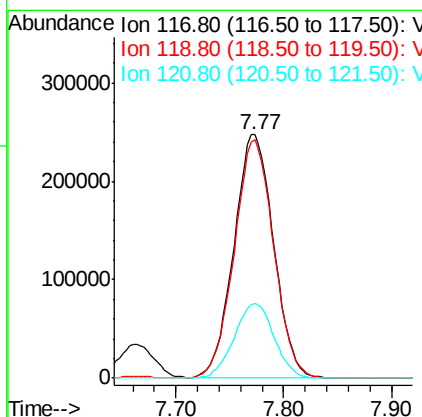
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#38
Carbon Tetrachloride
Concen: 50.844 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.1	115.7
121	30.5	24.9	37.3





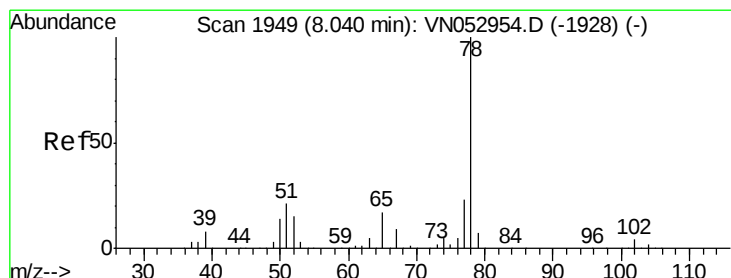
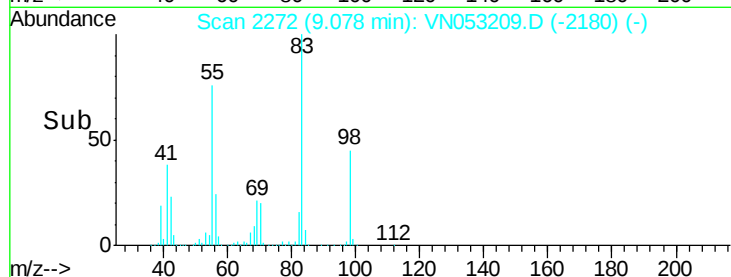
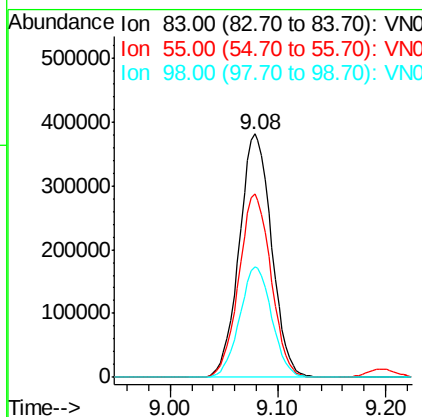
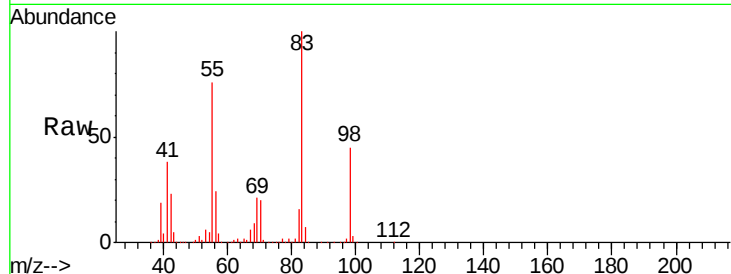
#39
Methylcyclohexane
Concen: 48.216 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.6	61.3	91.9
98	45.5	37.0	55.4

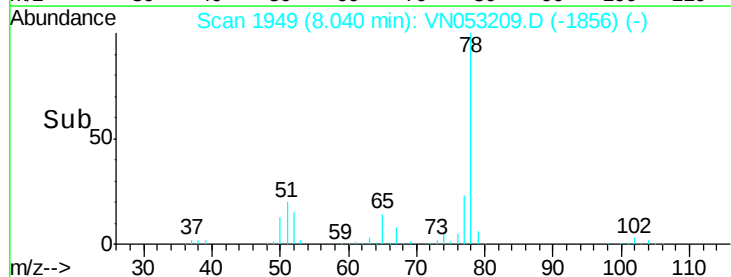
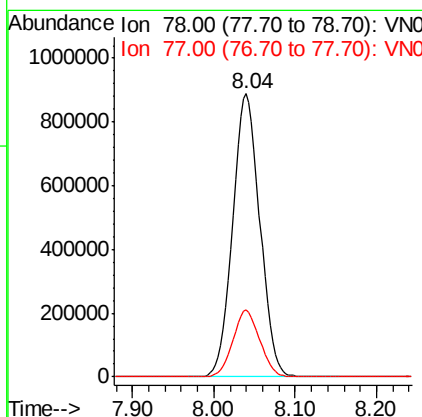
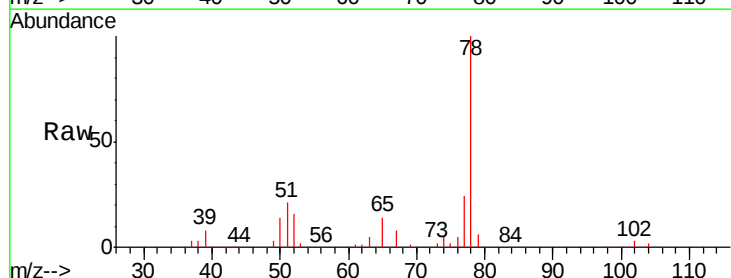
Manual Integrations
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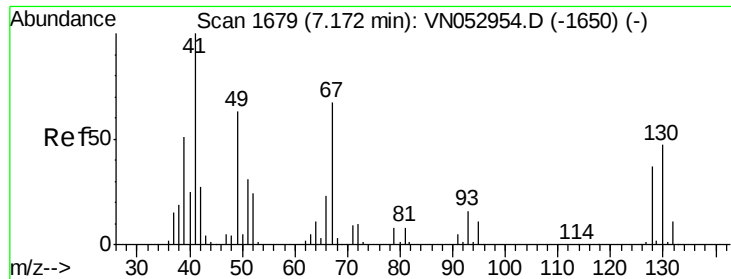
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#40
Benzene
Concen: 51.138 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.5	27.7





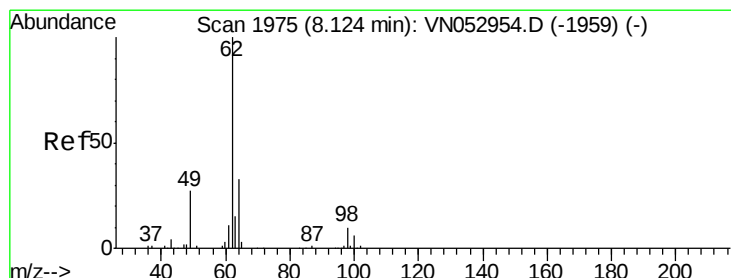
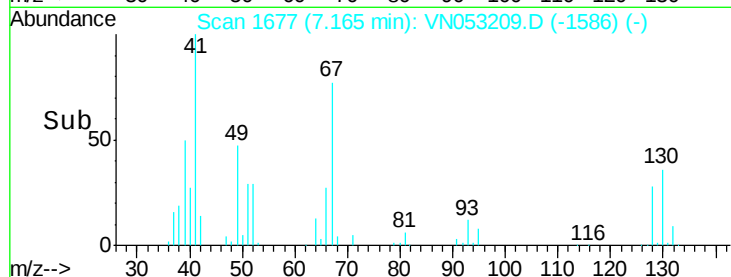
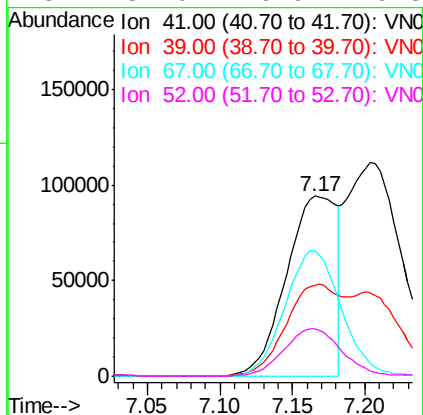
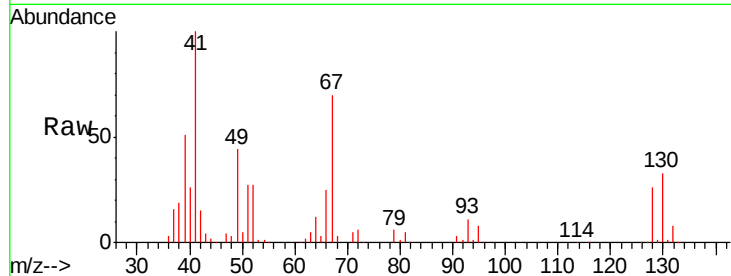
#41
Methacrylonitrile
Concen: 51.540 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.01 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	225324
Ion	Ratio	Lower	Upper
41	100		
39	58.2	48.0	72.0
67	79.5	70.3	105.5
52	31.0	26.9	40.3

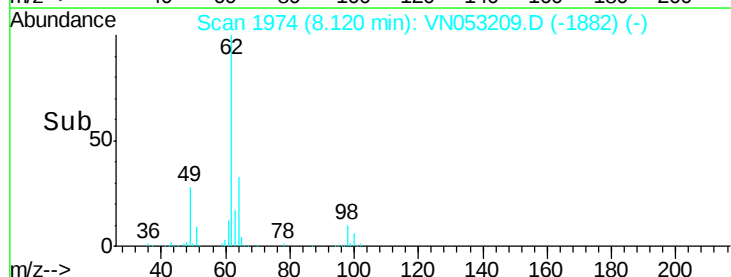
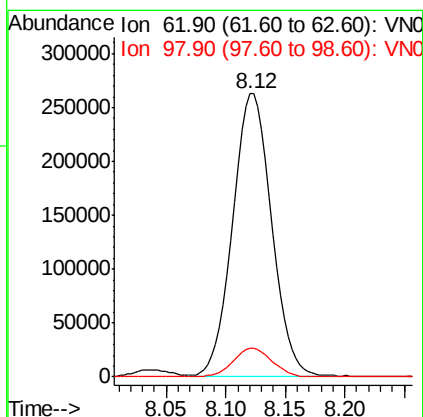
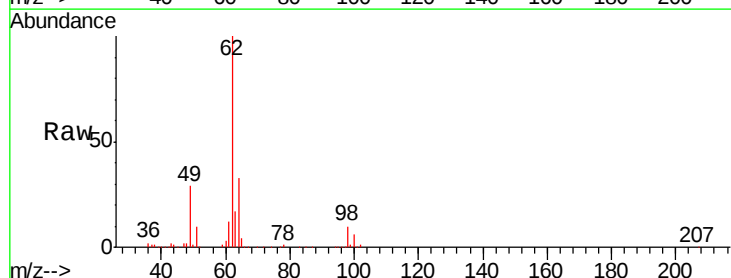
Manual Integrations
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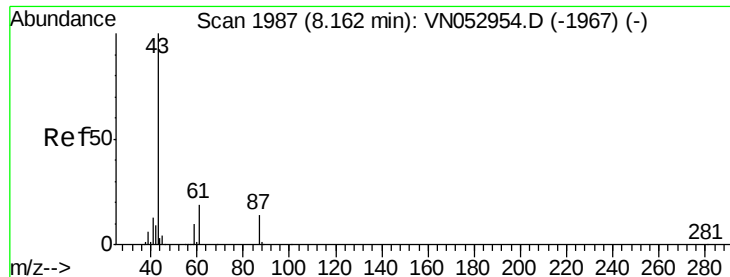
MMDadoda
12/28/2018 10:14:10 AM



#42
1,2-Dichloroethane
Concen: 49.877 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion:	62	Resp:	594030
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.0





#43

Isopropyl Acetate

Concen: 46.337 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

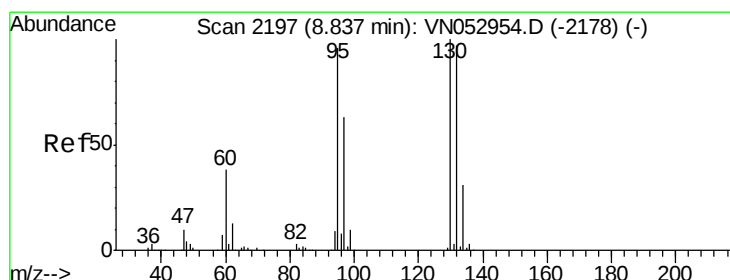
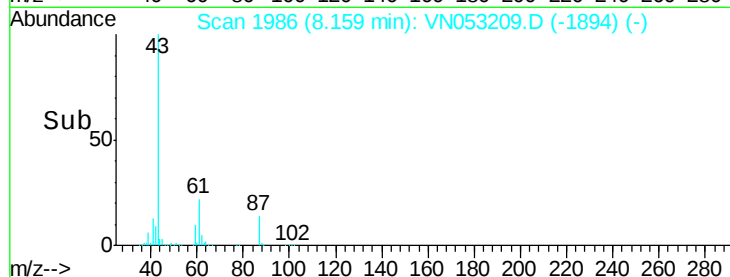
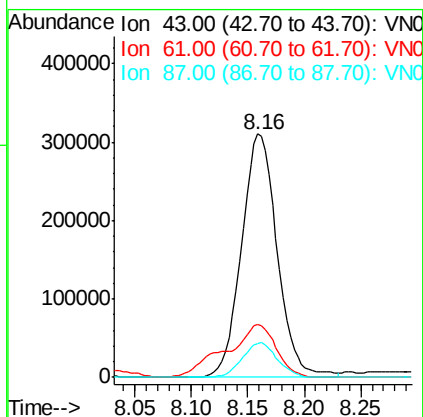
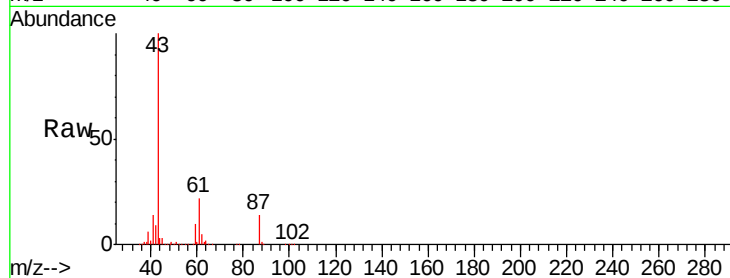
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	679607
Ion	Ratio	Lower	Upper
43	100		
61	30.3	22.9	34.3
87	14.0	10.6	15.8

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#44

Trichloroethene

Concen: 48.808 ug/l

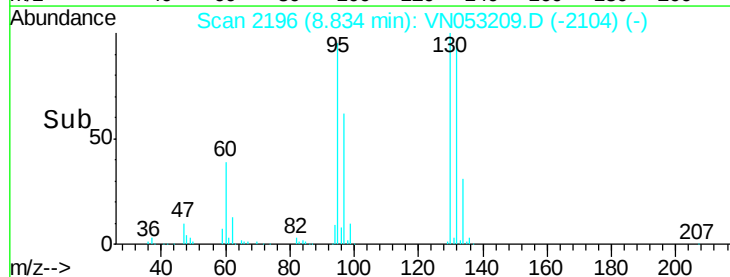
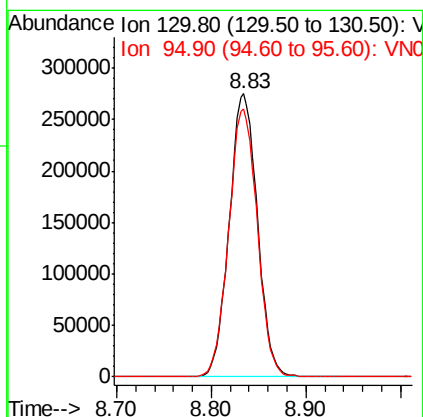
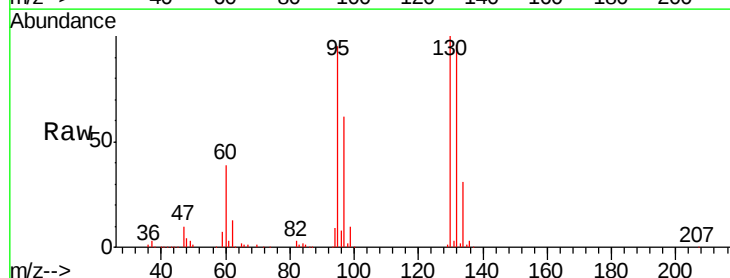
RT: 8.83 min Scan# 2196

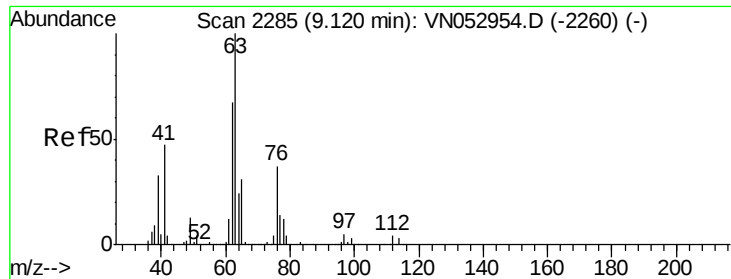
Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Tgt Ion:	130	Resp:	569144
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	197.8





#45

1,2-Dichloropropane

Concen: 52.732 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 553745

Ion Ratio Lower Upper

63 100

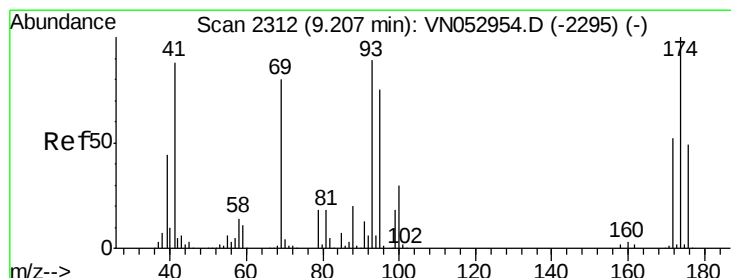
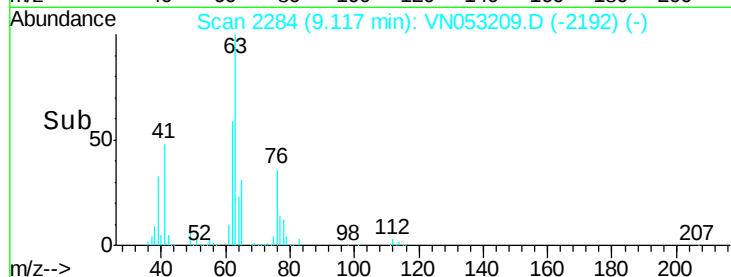
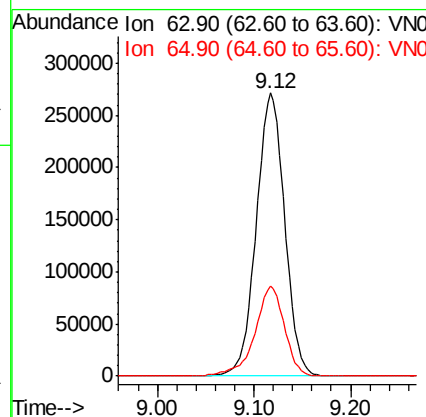
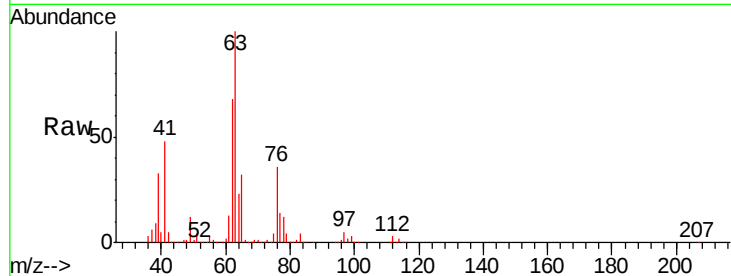
65 31.8 24.6 37.0

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#46

Dibromomethane

Concen: 49.555 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

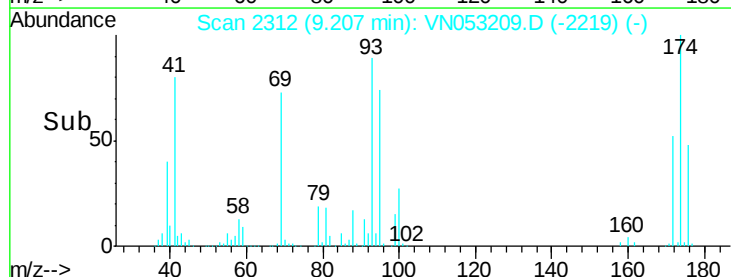
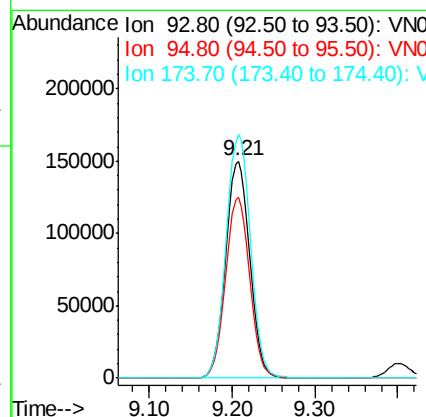
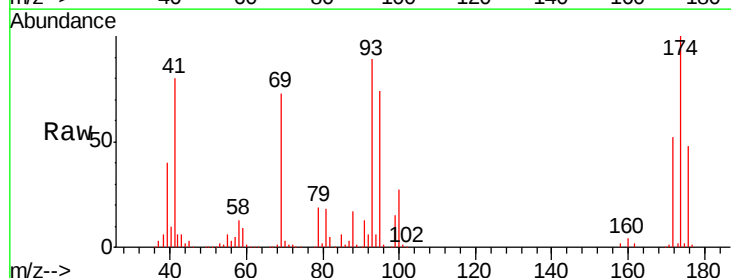
Tgt Ion: 93 Resp: 303143

Ion Ratio Lower Upper

93 100

95 83.3 67.8 101.6

174 113.5 89.0 133.4





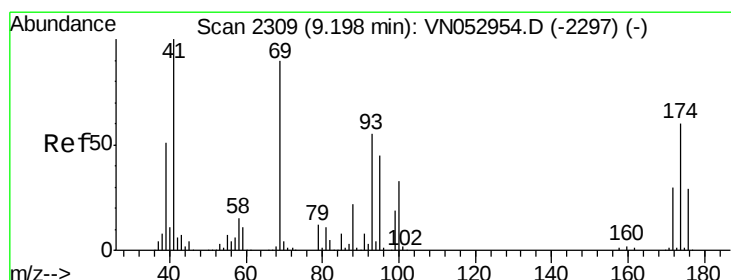
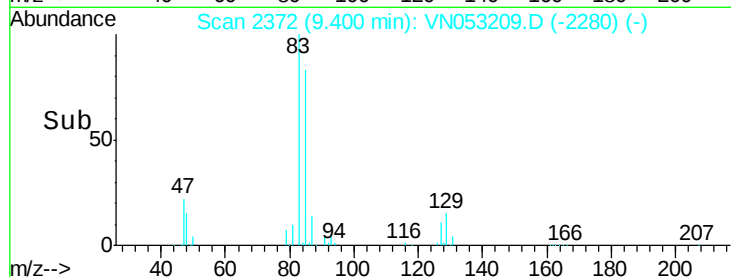
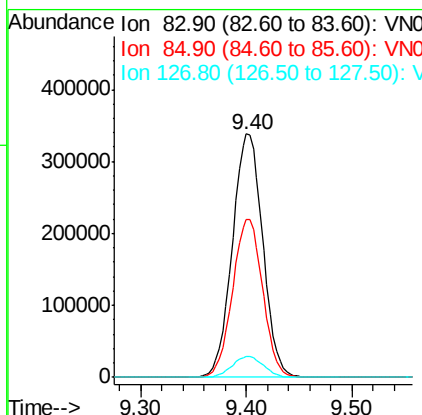
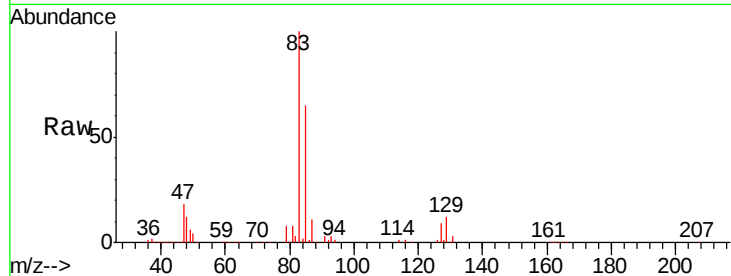
#47
Bromodichloromethane
Concen: 51.797 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4
127	8.7	7.1	10.7

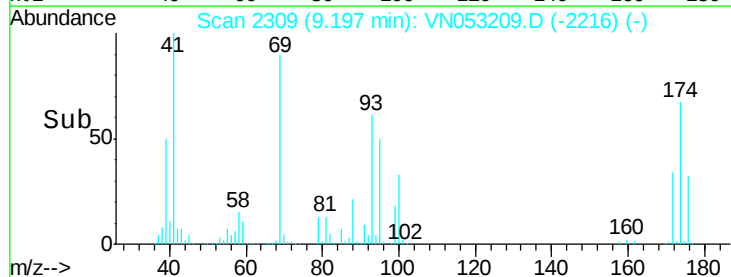
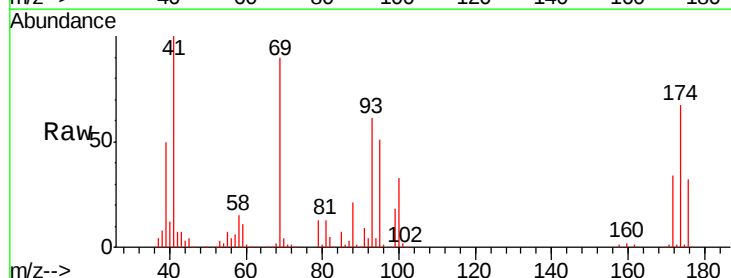
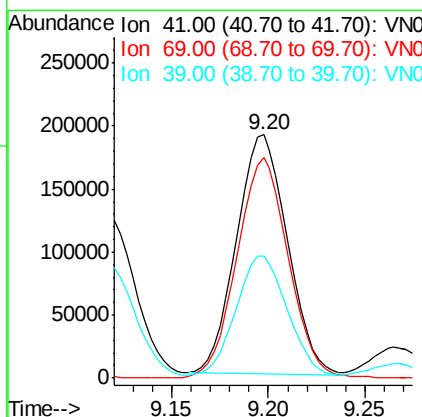
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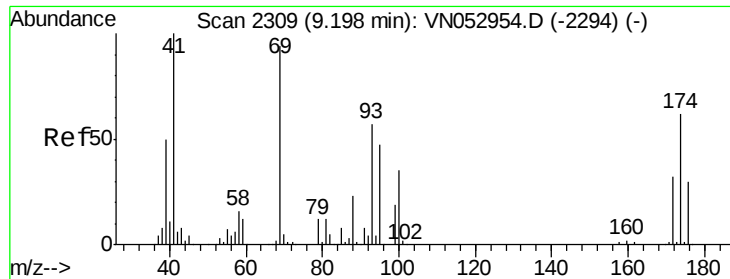
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#48
Methyl methacrylate
Concen: 47.548 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.9	72.2	108.2
39	52.4	41.9	62.9





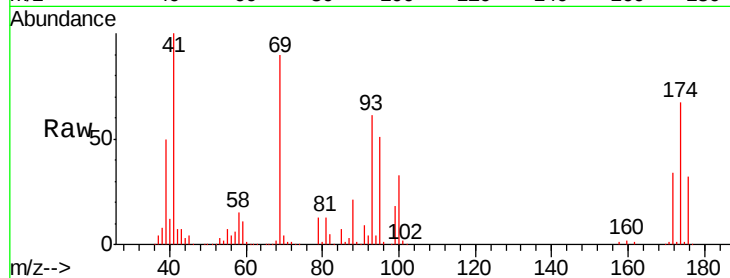
#49
1,4-Dioxane
Concen: 909.307 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

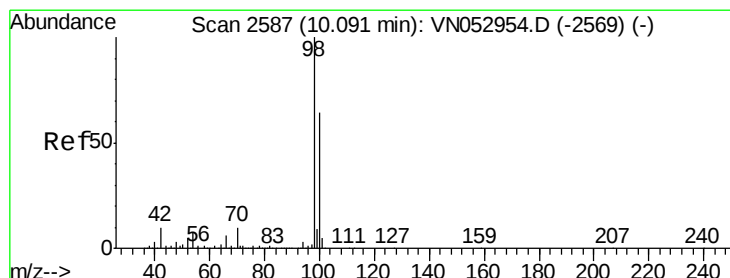
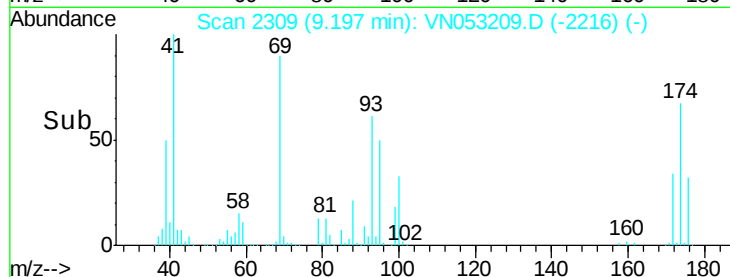
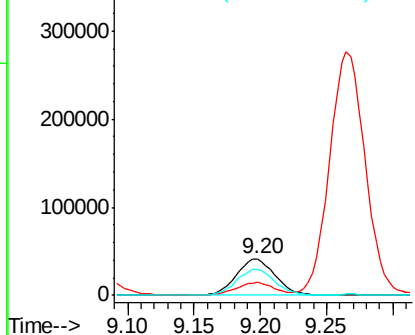
Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.2	26.6	40.0
58	70.3	58.4	87.6

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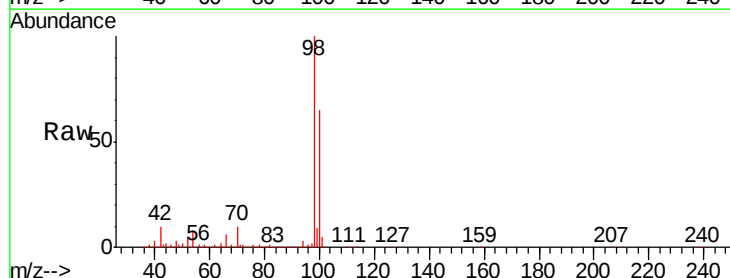


Abundance Ion 88.00 (87.70 to 88.70): VN053209.D (-2216) (-)
Ion 43.00 (42.70 to 43.70): VN053209.D (-2216) (-)
Ion 58.00 (57.70 to 58.70): VN053209.D (-2216) (-)

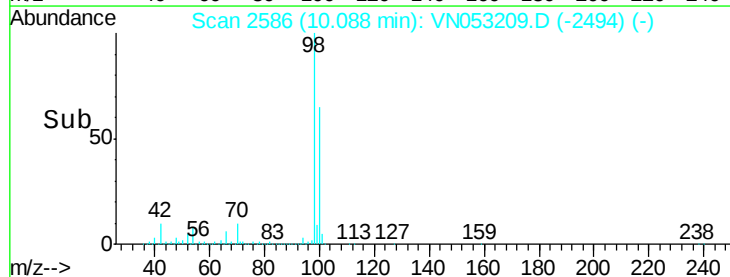
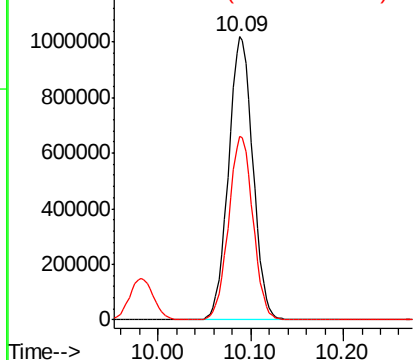


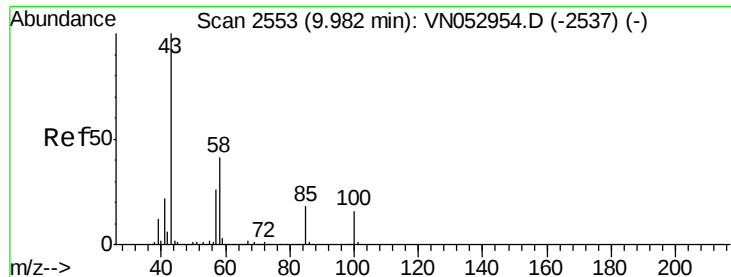
#50
Toluene-d8
Concen: 909.307 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VN053209.D (-2494) (-)
Ion 100.00 (99.70 to 100.70): VN053209.D (-2494) (-)





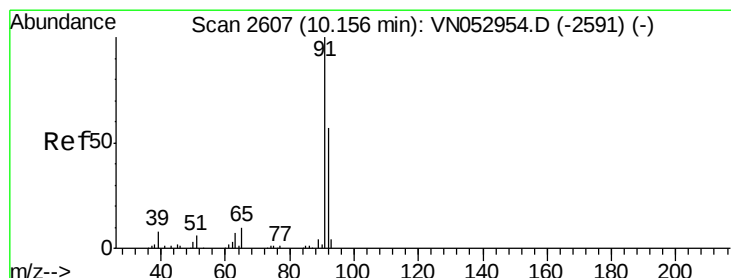
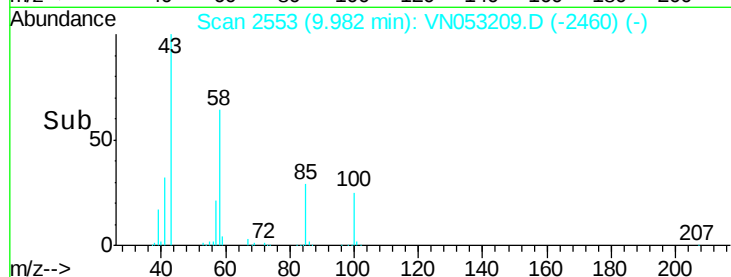
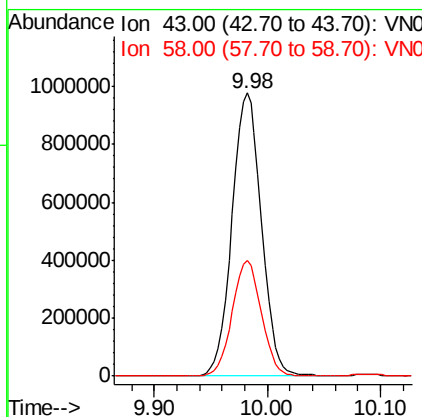
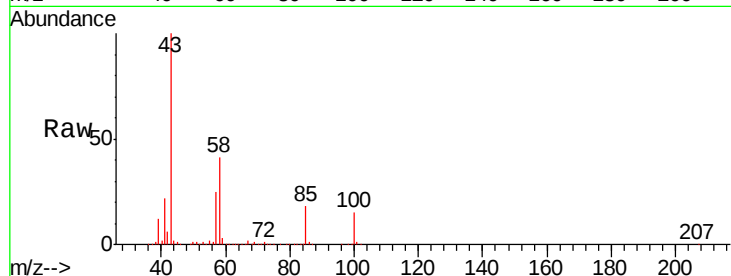
#51
 4-Methyl-2-Pentanone
 Concen: 240.863 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1764922
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.2 48.4

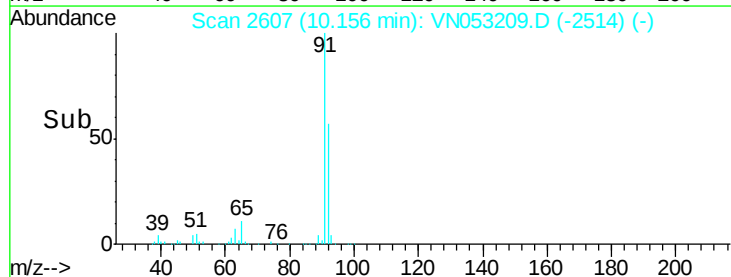
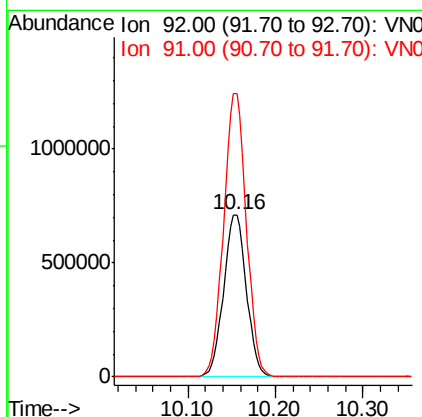
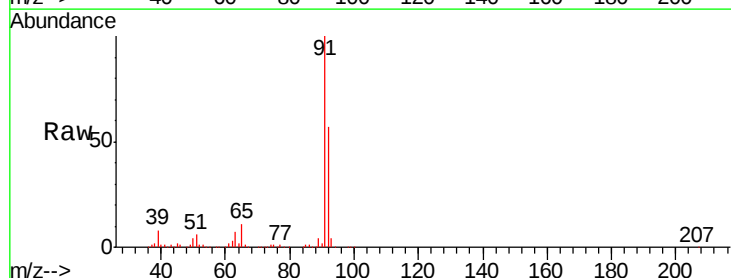
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#52
 Toluene
 Concen: 51.300 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion: 92 Resp: 1281918
 Ion Ratio Lower Upper
 92 100
 91 175.0 139.8 209.6





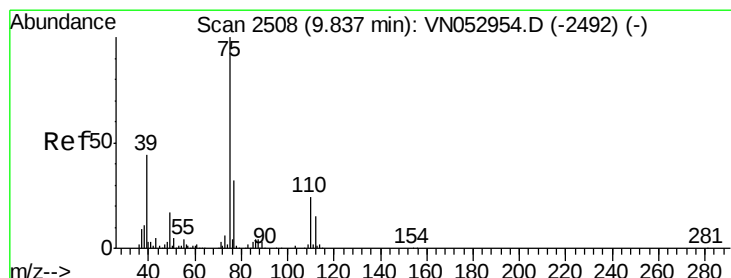
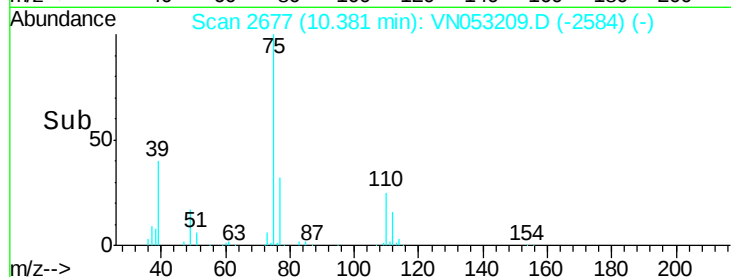
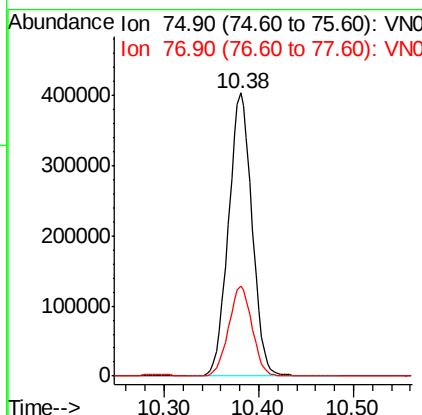
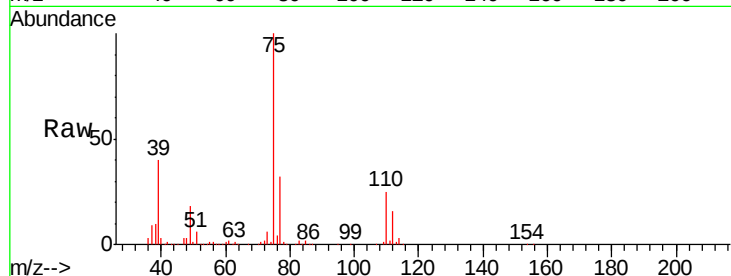
#53
 t-1,3-Dichloropropene
 Concen: 51.007 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 75 Resp: 697456
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.6 38.4

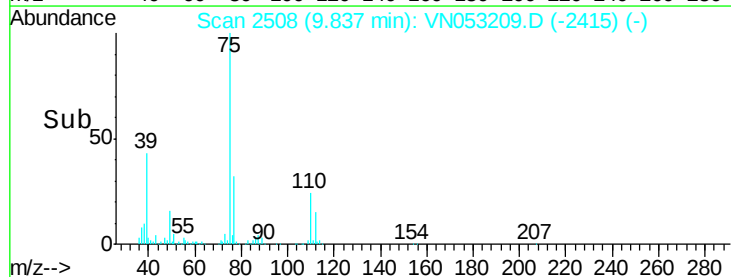
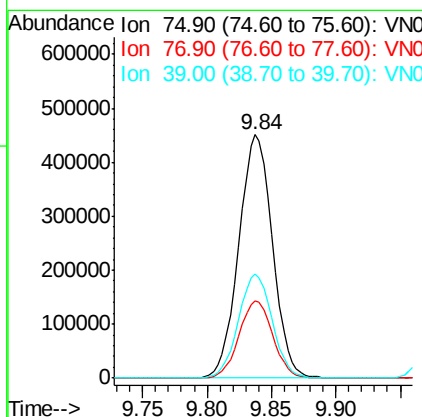
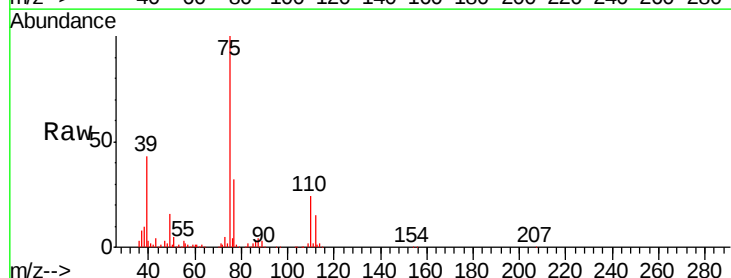
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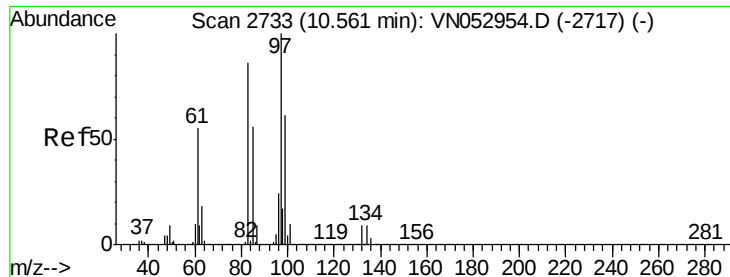
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 12/28/2018 10:14:10 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.321 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion: 75 Resp: 821188
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.8 38.8
 39 42.7 34.8 52.2





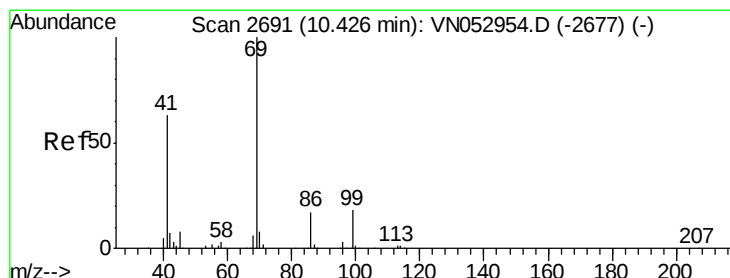
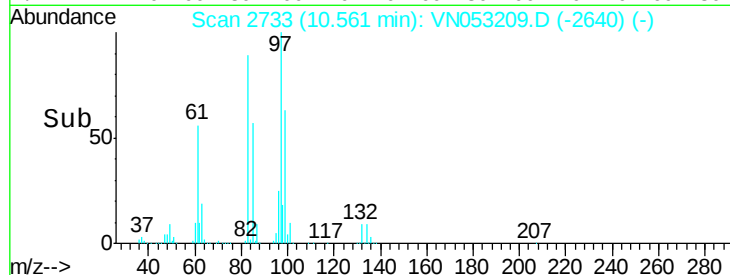
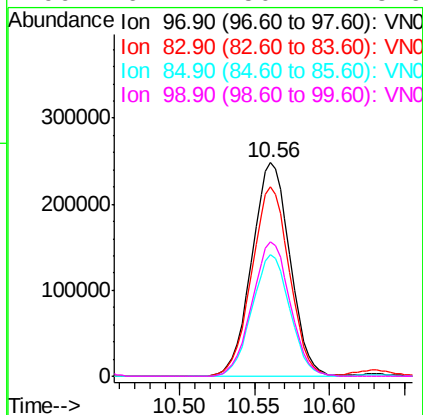
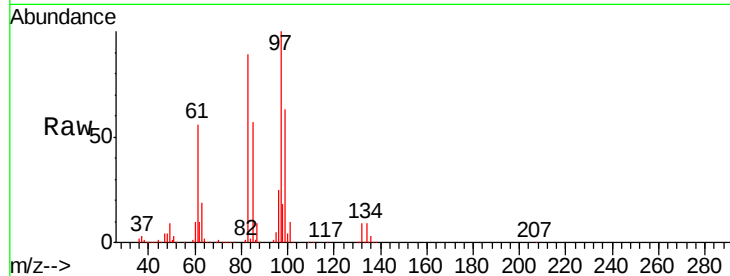
#55
 1,1,2-Trichloroethane
 Concen: 50.543 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.9	106.3
85	56.9	45.4	68.2
99	62.7	50.4	75.6

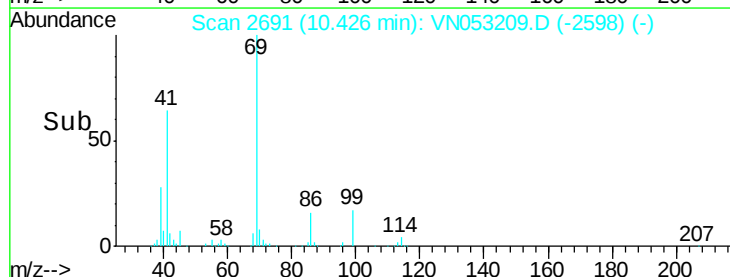
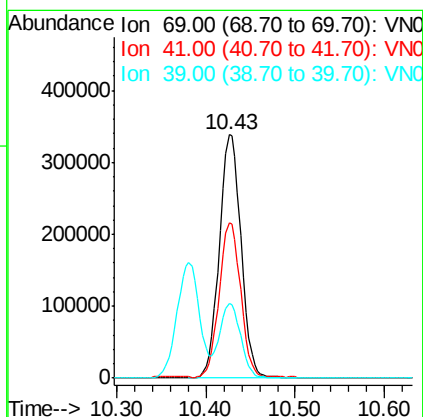
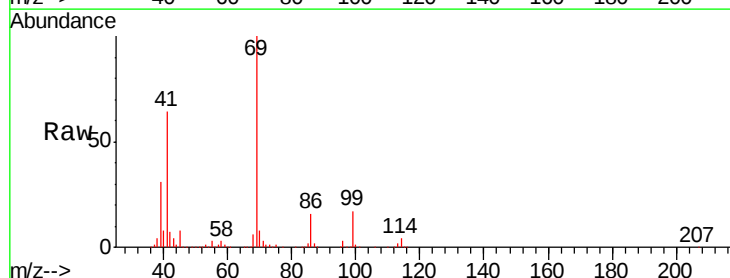
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#56
 Ethyl methacrylate
 Concen: 49.509 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.1	51.7	77.5
39	29.4	24.6	37.0





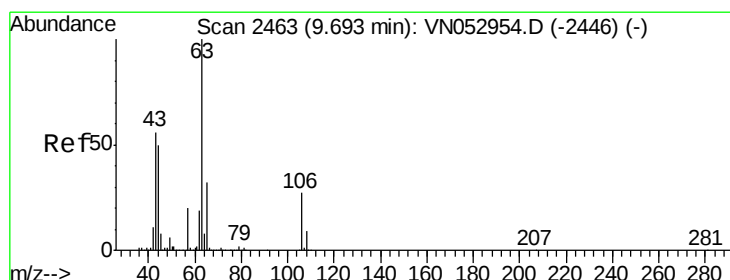
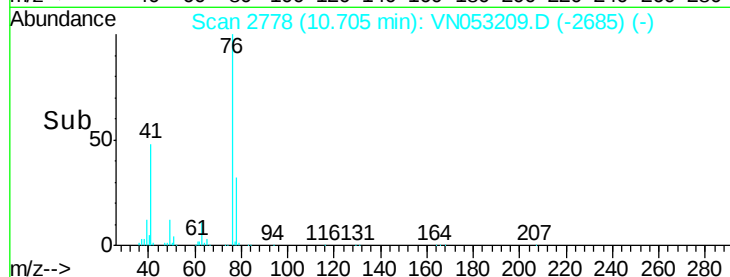
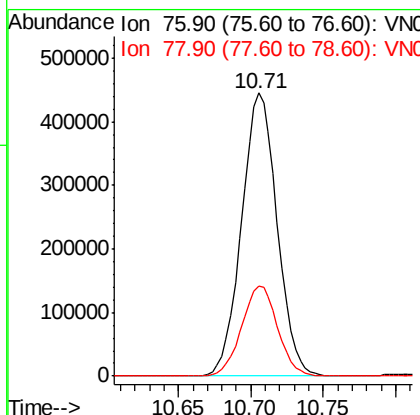
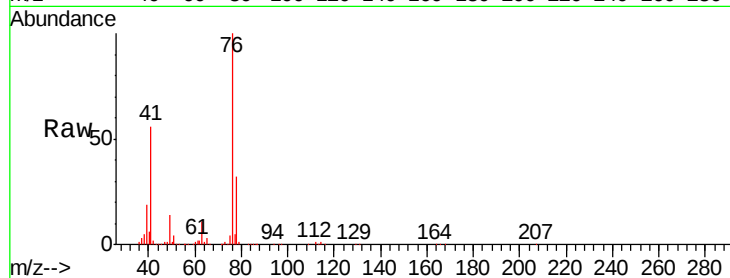
#57
 1,3-Dichloropropane
 Concen: 50.794 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 759343
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8

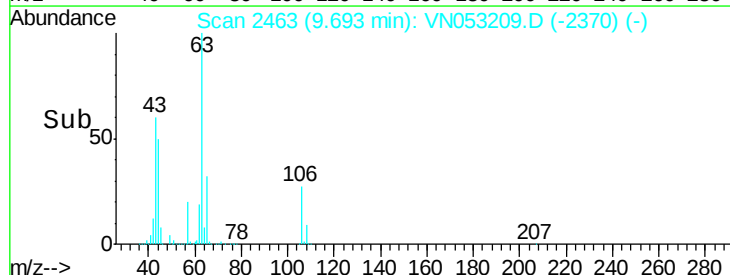
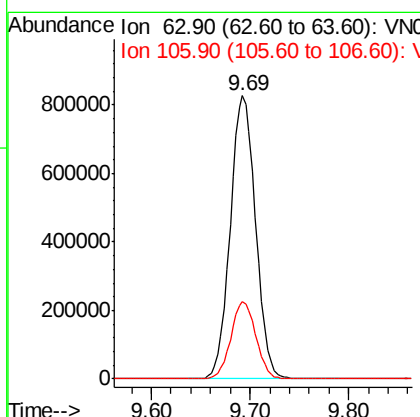
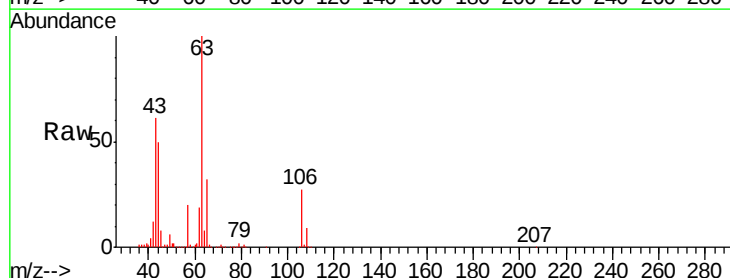
Manual Integrations
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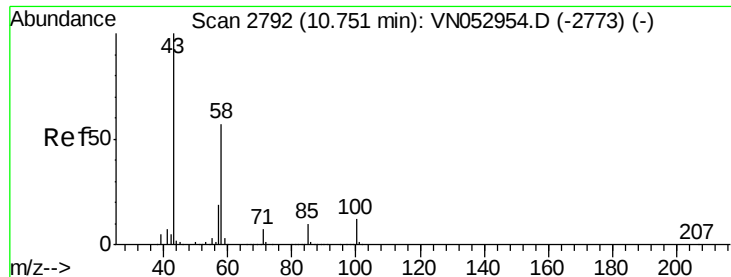
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#58
 2-Chloroethyl Vinyl ether
 Concen: 233.871 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion: 63 Resp: 1481524
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.0 31.6





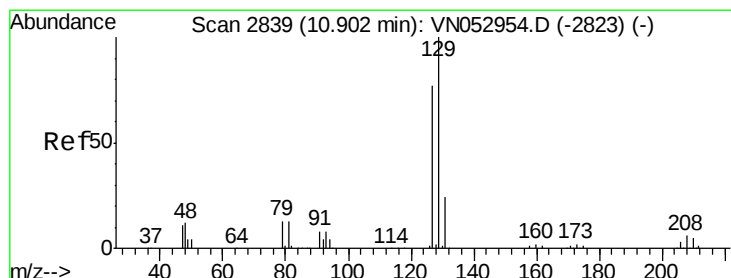
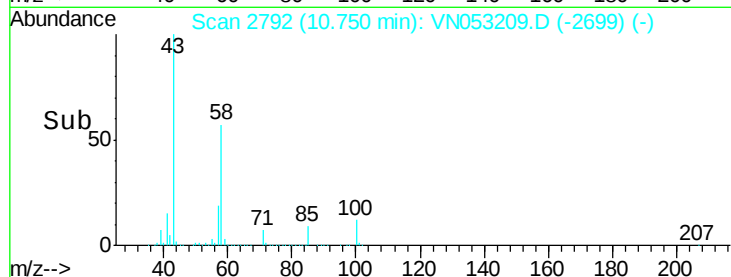
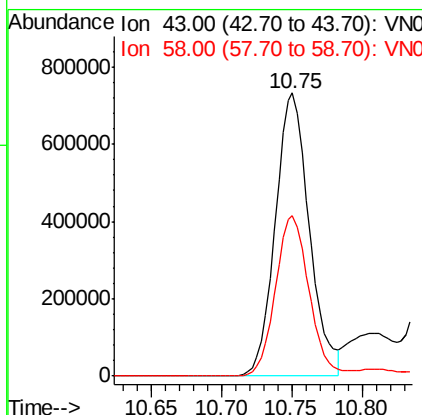
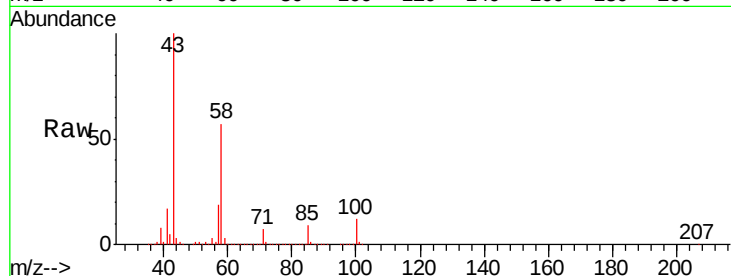
#59
2-Hexanone
Concen: 246.404 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1221586
Ion Ratio Lower Upper
43 100
58 55.9 28.1 84.3

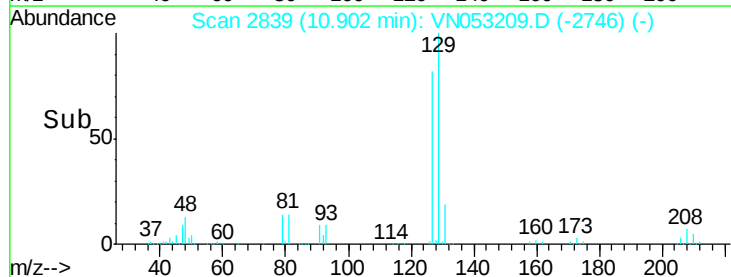
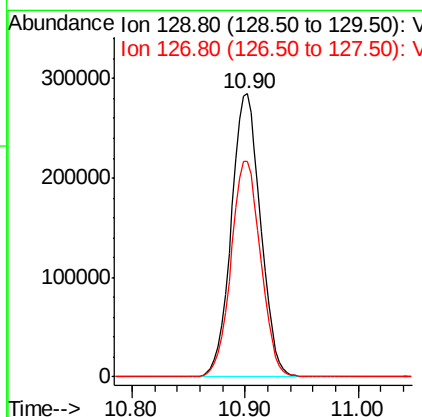
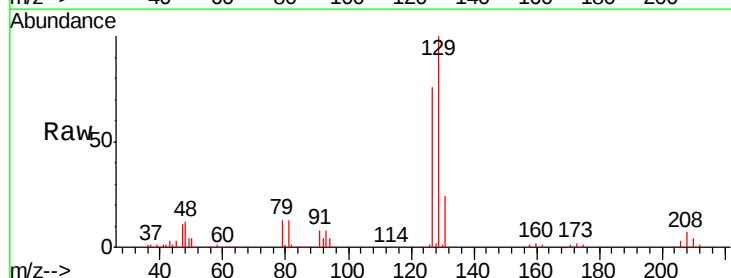
Manual Integrations
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#60
Dibromochloromethane
Concen: 51.390 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion: 129 Resp: 512824
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.219 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 444636

Ion Ratio Lower Upper

107 100

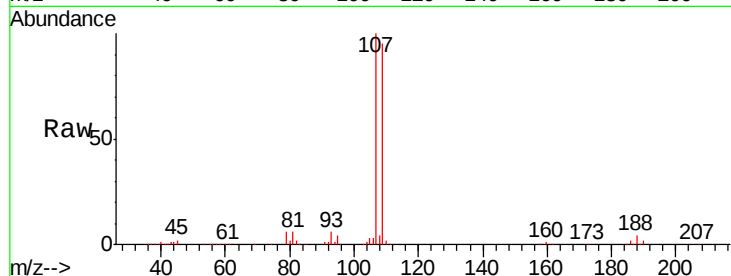
109 94.6 75.4 113.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

250000

200000

150000

100000

50000

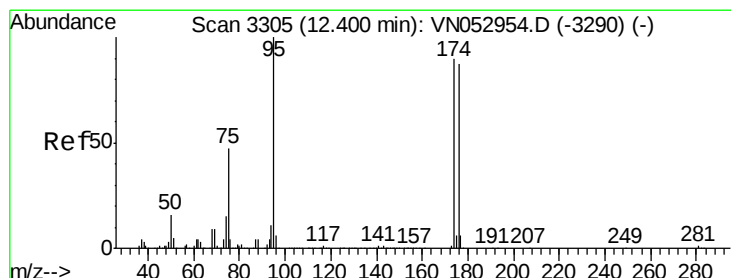
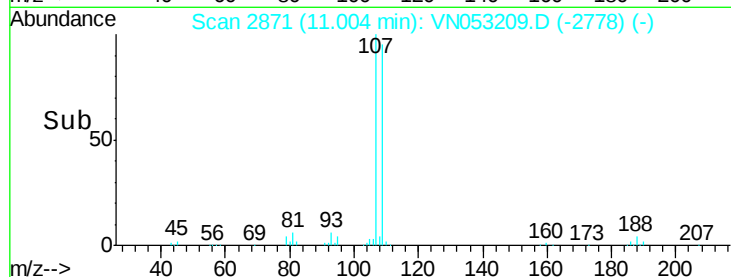
0

11.00

10.90

11.10

Time-->



#62

4-Bromofluorobenzene

Concen: 50.219 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

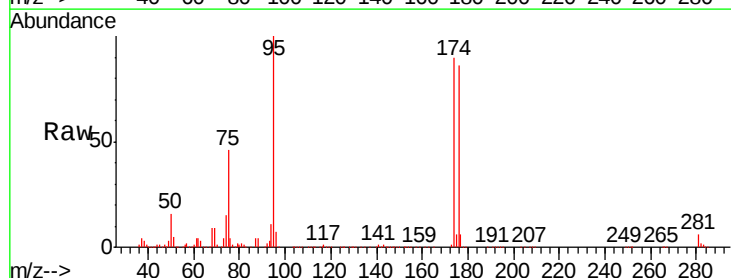
Tgt Ion: 95 Resp: 665592

Ion Ratio Lower Upper

95 100

174 90.1 0.0 178.8

176 87.0 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

500000

400000

300000

200000

100000

0

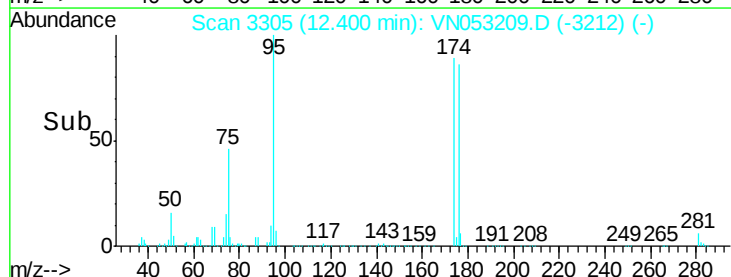
12.40

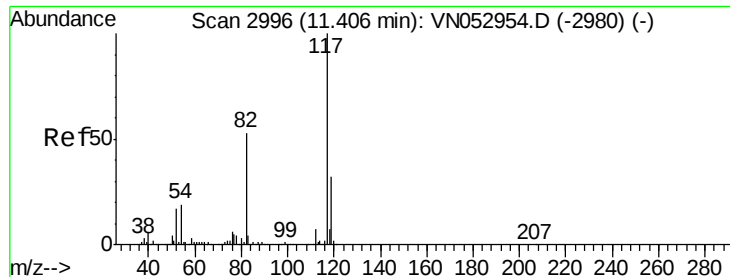
12.30

12.35

12.45

Time-->





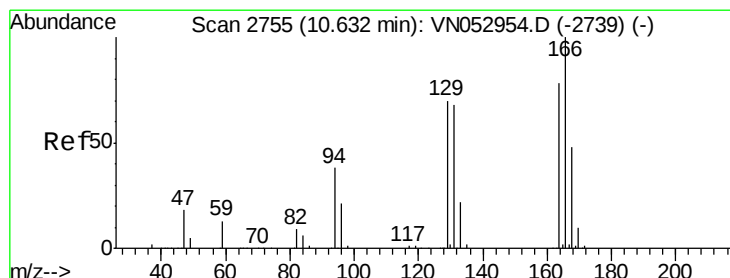
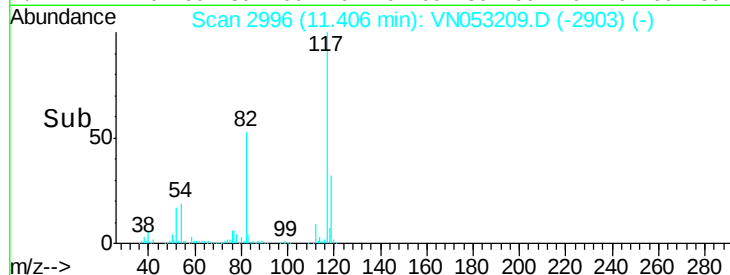
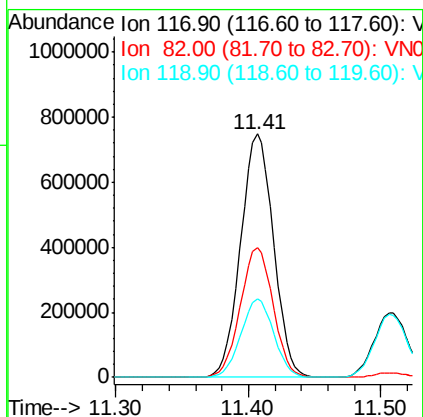
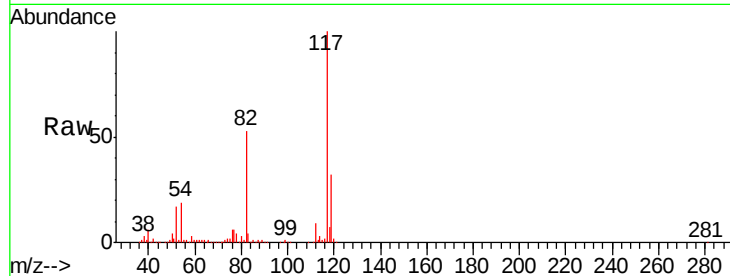
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 1289529
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 32.1 25.5 38.3

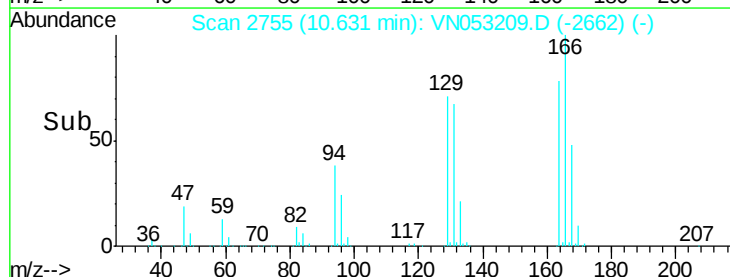
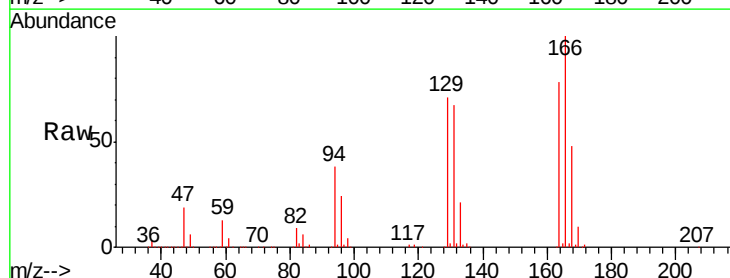
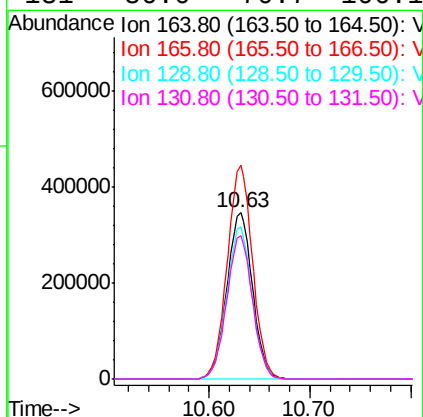
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#64
Tetrachloroethene
Concen: 43.987 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion:164 Resp: 614427
Ion Ratio Lower Upper
164 100
166 128.4 102.9 154.3
129 91.2 73.7 110.5
131 86.0 70.7 106.1





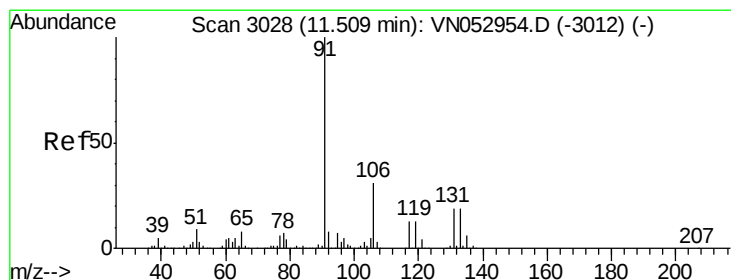
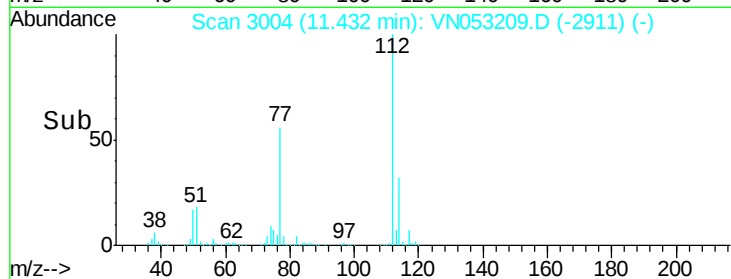
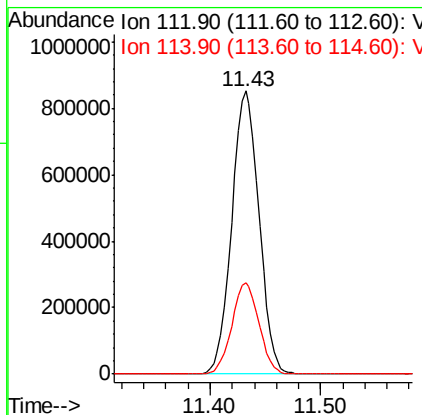
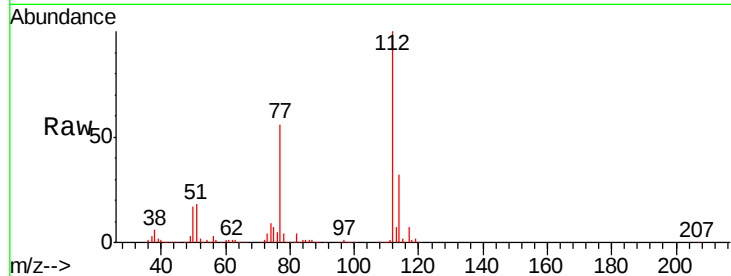
#65
Chlorobenzene
Concen: 51.056 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 1459452
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3

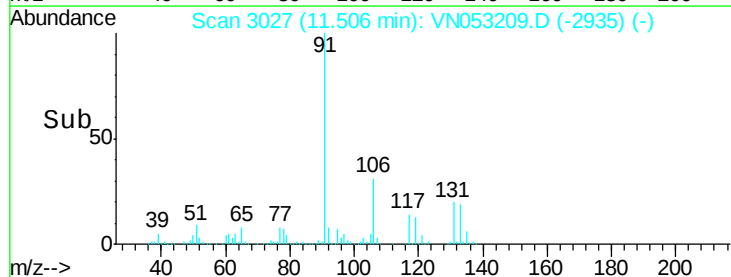
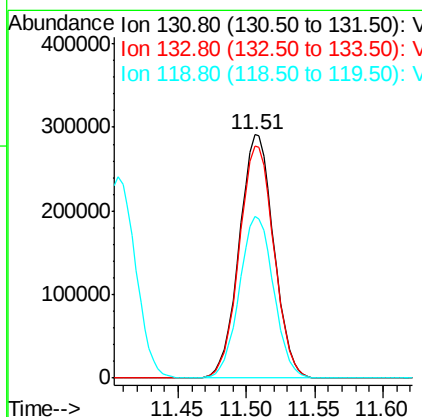
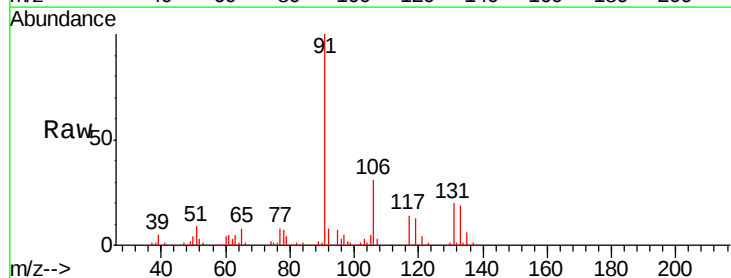
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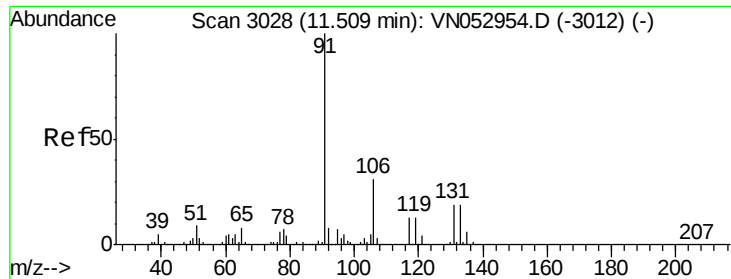
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.324 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion:131 Resp: 510185
Ion Ratio Lower Upper
131 100
133 96.2 47.6 142.9
119 66.2 33.3 99.8





#67

Ethyl Benzene

Concen: 51.346 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 2524111

Ion Ratio Lower Upper

91 100

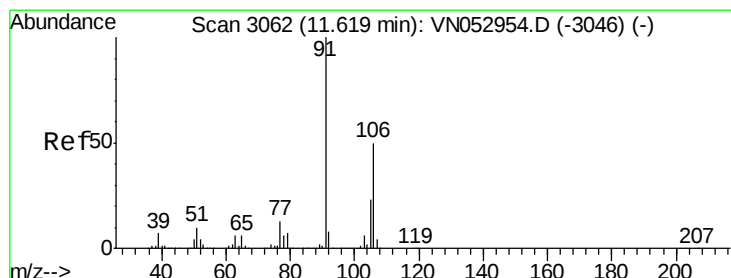
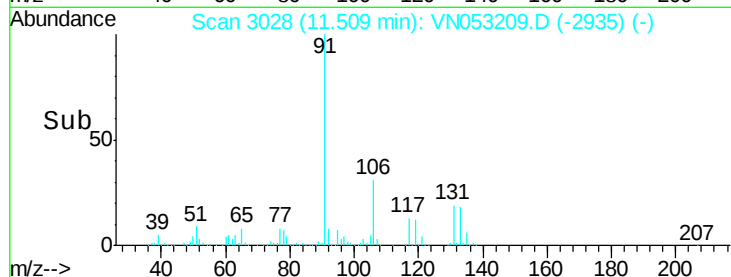
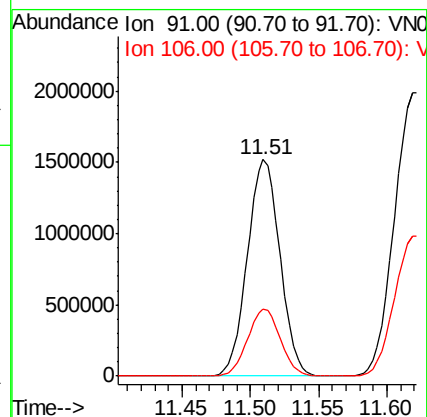
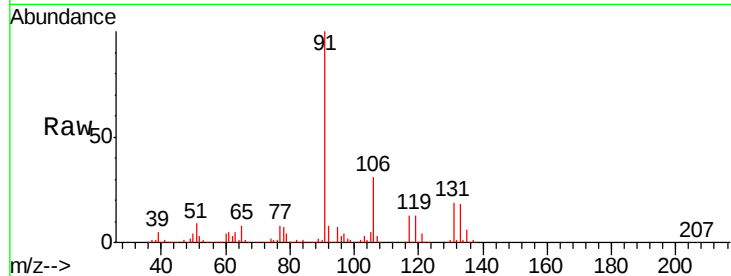
106 31.0 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 102.252 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053209.D

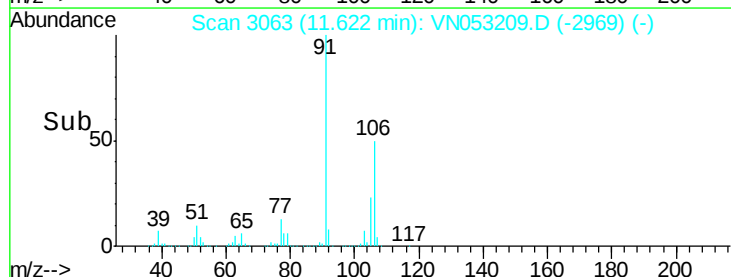
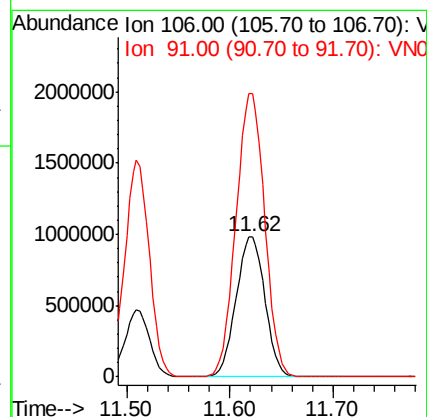
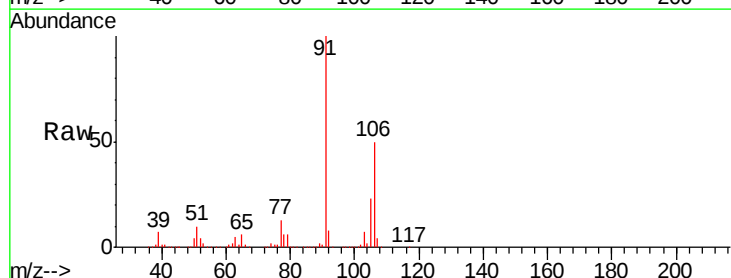
Acq: 27 Dec 2018 15:10

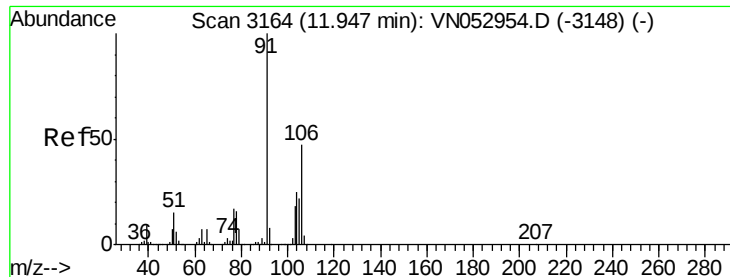
Tgt Ion: 106 Resp: 1910909

Ion Ratio Lower Upper

106 100

91 201.7 162.2 243.4





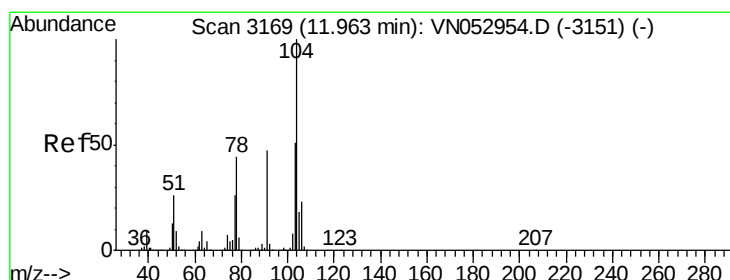
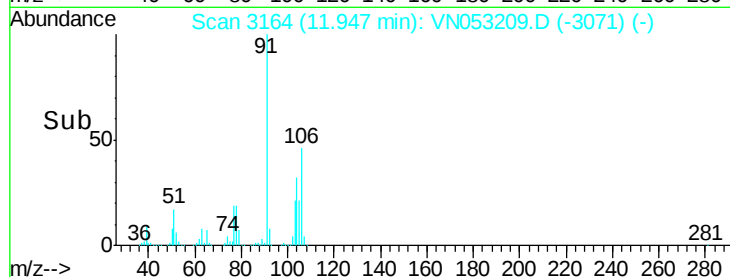
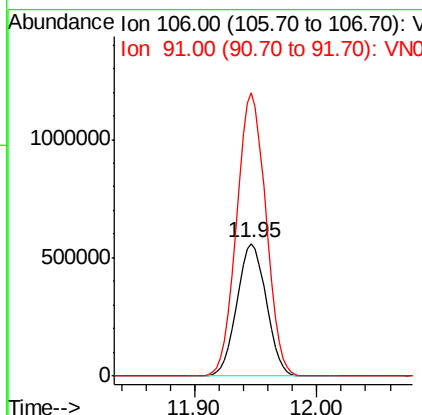
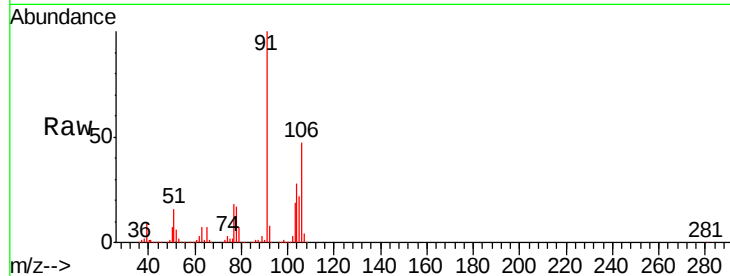
#69
o-Xylene
Concen: 52.000 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 932499
Ion Ratio Lower Upper
106 100
91 212.4 106.6 319.8

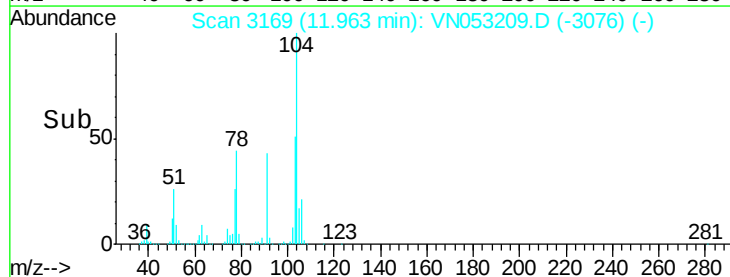
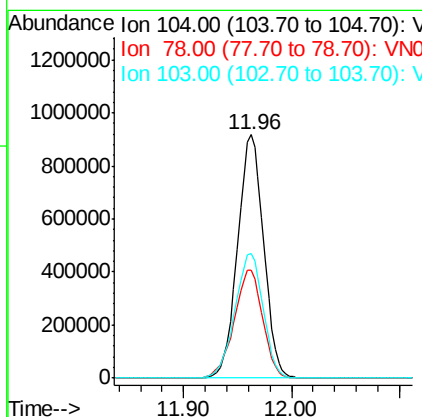
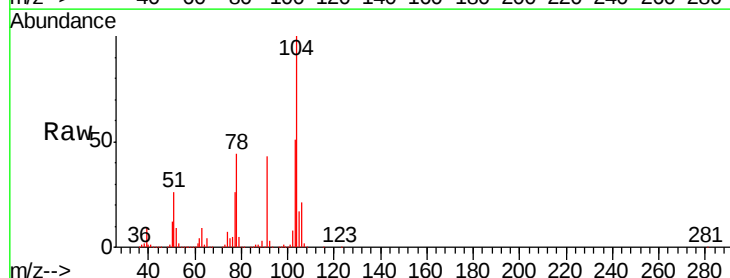
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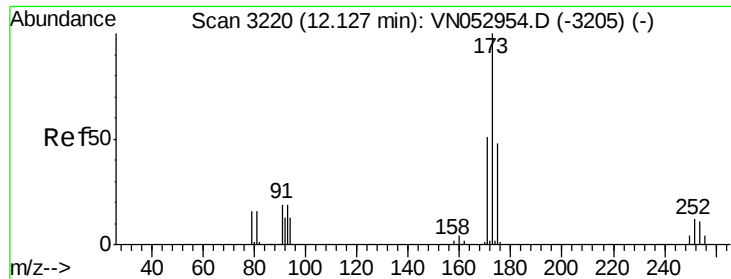
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#70
Styrene
Concen: 52.440 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion:104 Resp: 1533430
Ion Ratio Lower Upper
104 100
78 48.8 38.9 58.3
103 55.8 44.3 66.5





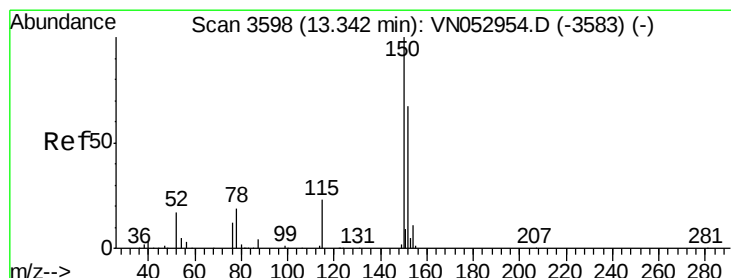
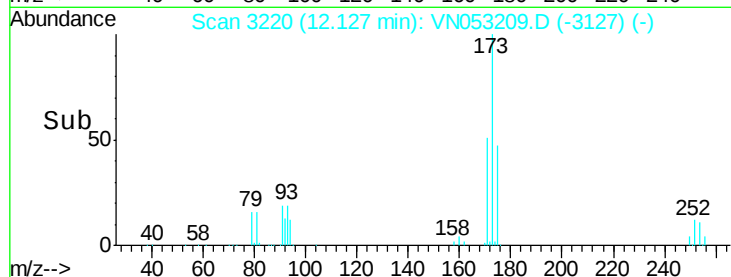
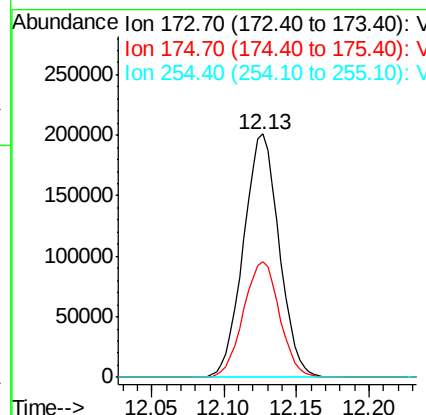
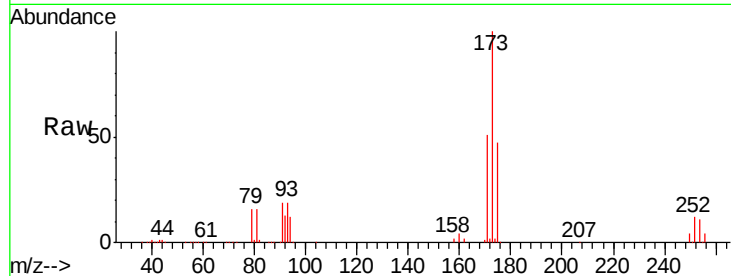
#71
Bromoform
Concen: 47.975 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	72.9
254	0.1	0.1	0.1

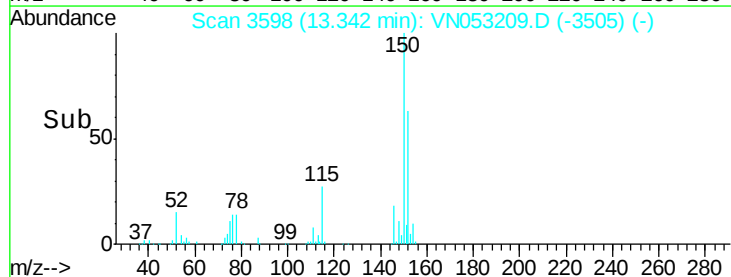
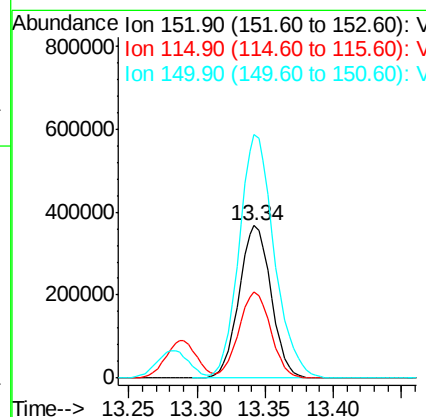
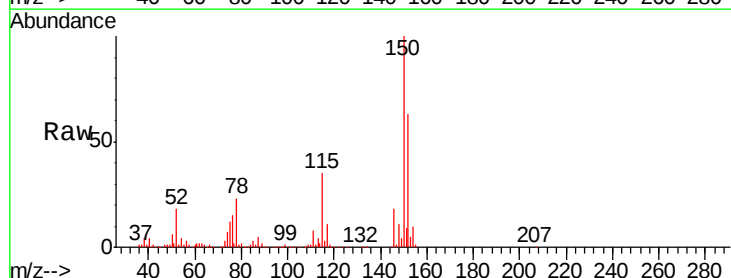
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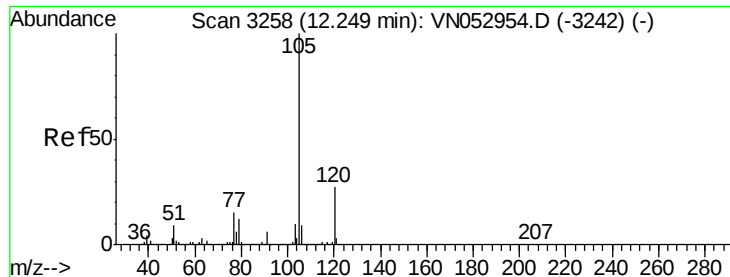
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.3	85.0
150	175.4	0.0	347.8





#73

Isopropylbenzene

Concen: 52.902 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 2470897

Ion Ratio Lower Upper

105 100

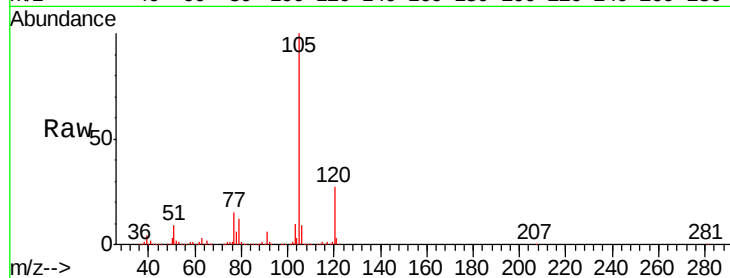
120 27.0 13.3 39.9

Manual Integrations

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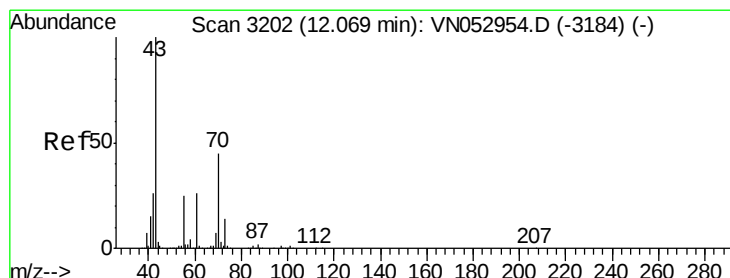
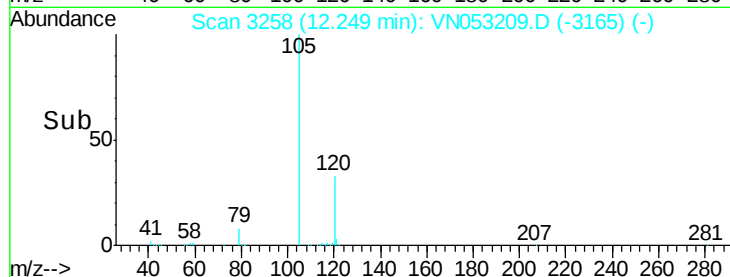
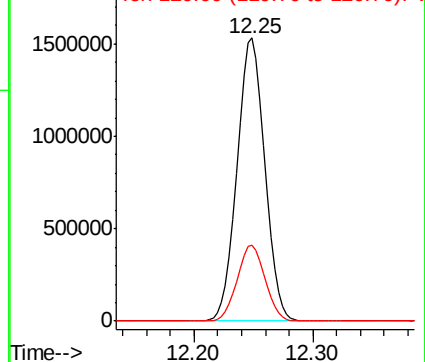
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.068 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Tgt Ion: 43 Resp: 636287

Ion Ratio Lower Upper

43 100

70 43.5 34.2 51.4

55 24.5 20.3 30.5

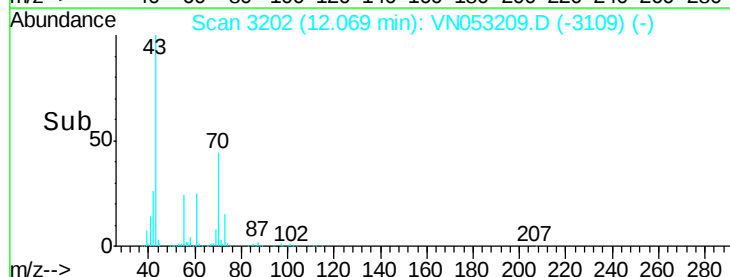
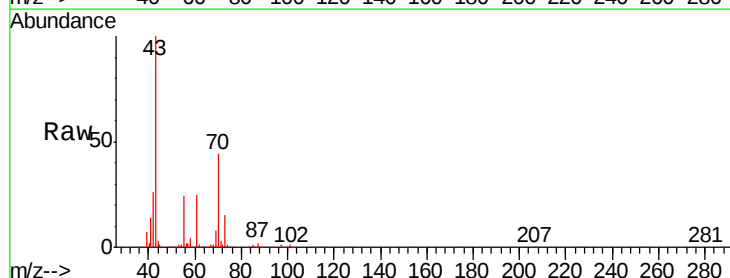
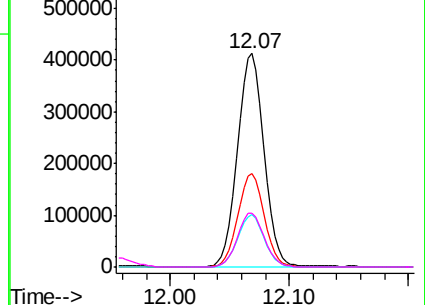
61 25.6 20.0 30.0

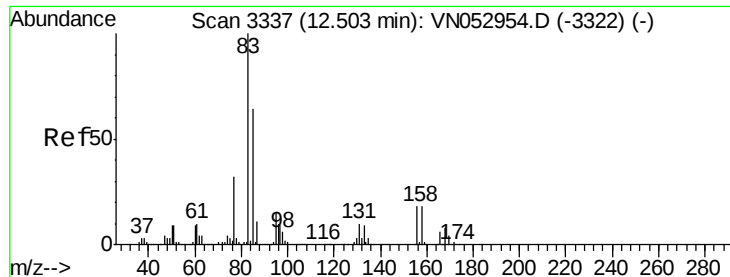
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 53.223 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 487695
Ion Ratio Lower Upper

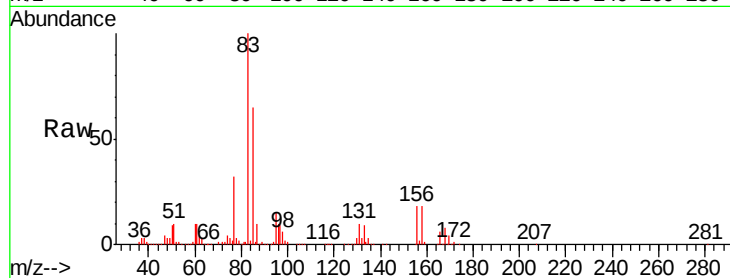
83 100

131 10.6 5.2 15.6

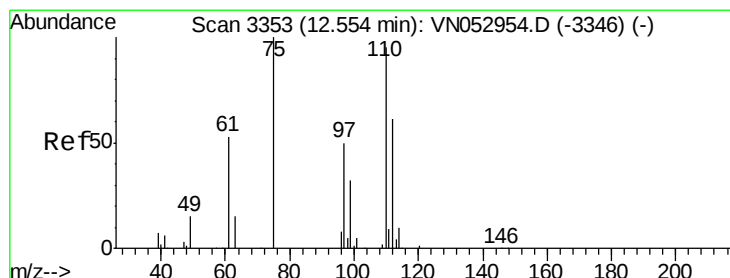
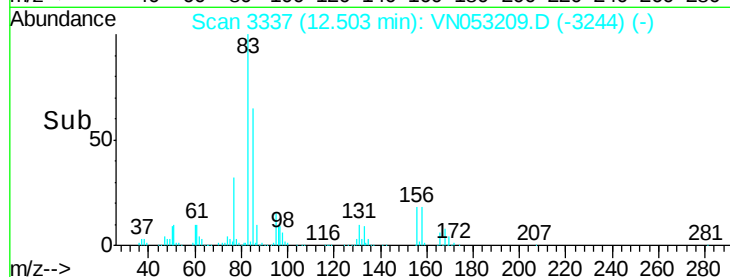
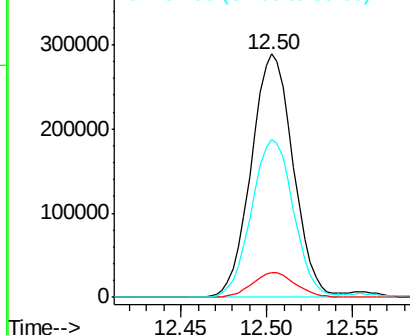
85 65.0 32.4 97.0

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



#76

1,2,3-Trichloropropane

Concen: 37.628 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

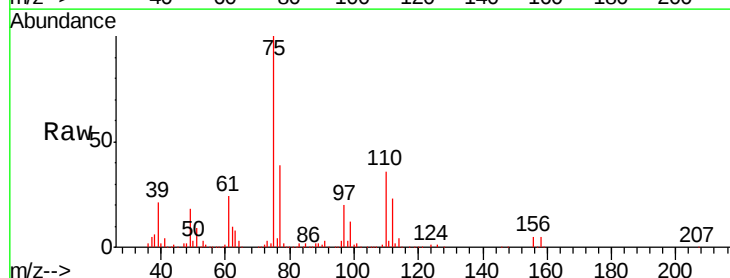
Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

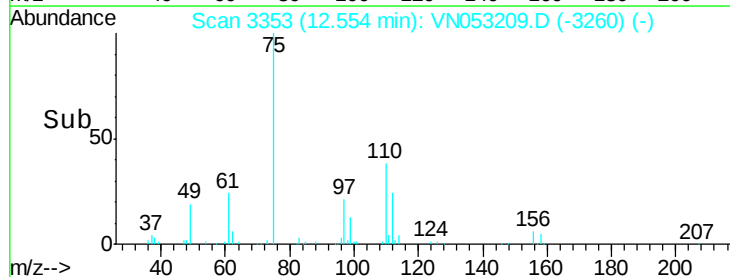
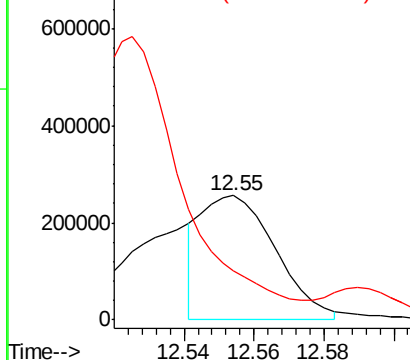
Tgt Ion: 75 Resp: 378132
Ion Ratio Lower Upper

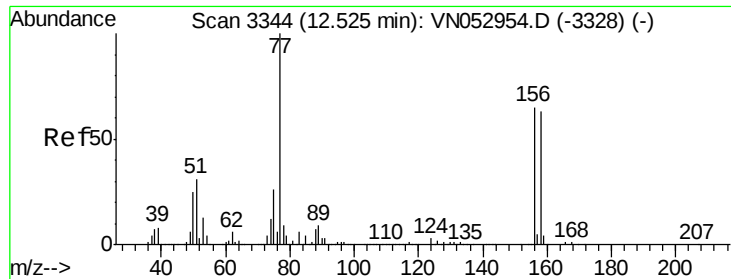
75 100

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): VN0





#77

Bromobenzene

Concen: 52.315 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

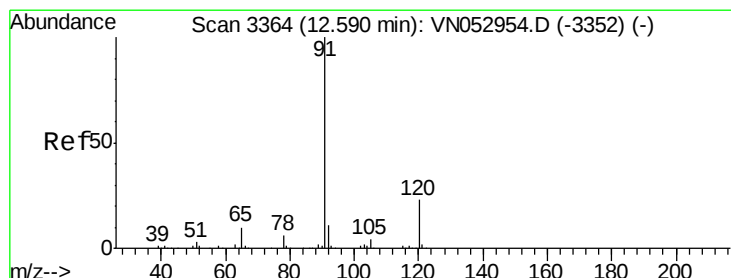
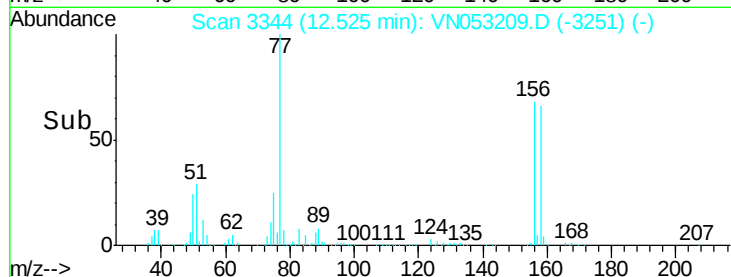
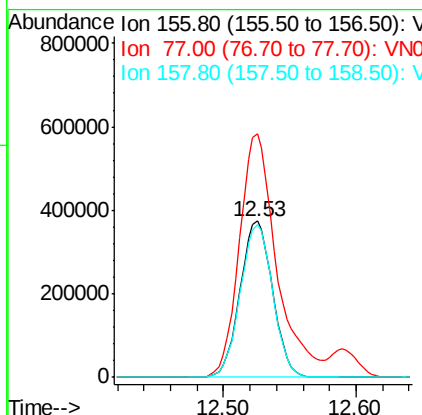
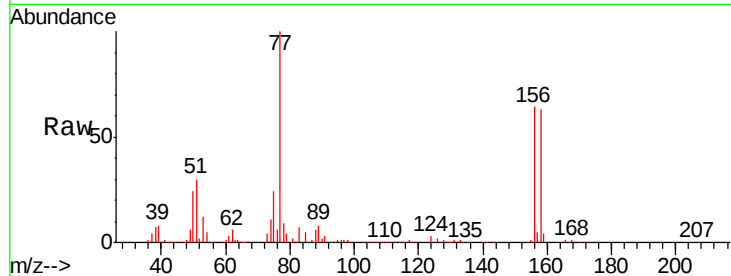
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	635165
Ion Ratio	Lower	Upper	
156	100		
77	178.6	91.3	273.8
158	97.7	49.0	147.2

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#78

n-propylbenzene

Concen: 53.278 ug/l

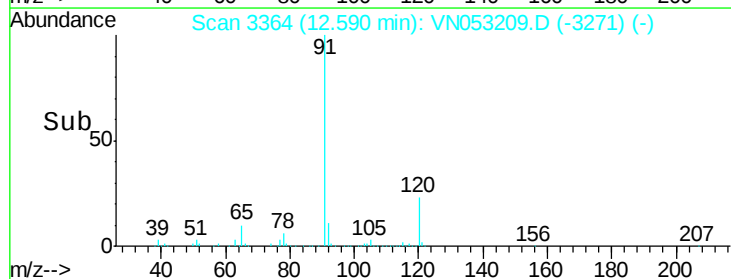
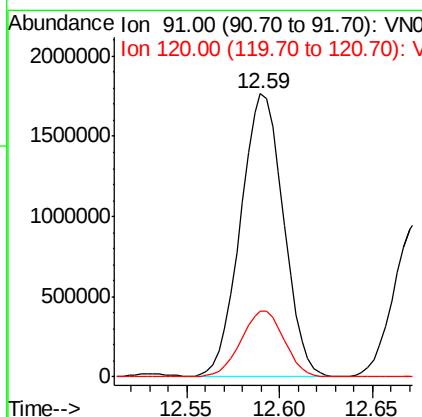
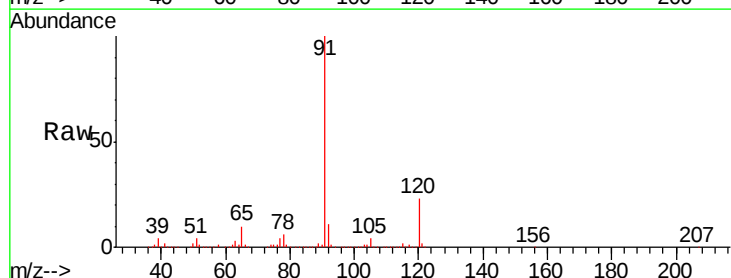
RT: 12.59 min Scan# 3364

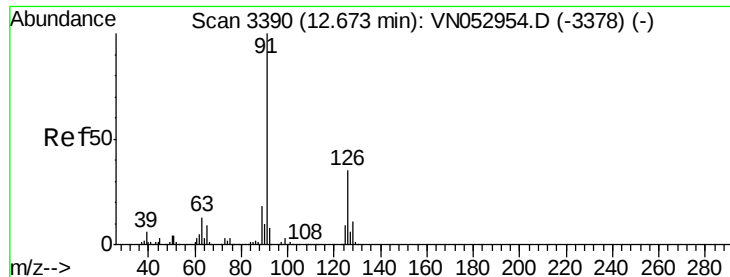
Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Tgt Ion:	91	Resp:	2834123
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 50.383 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 1661253

Ion Ratio Lower Upper

91 100

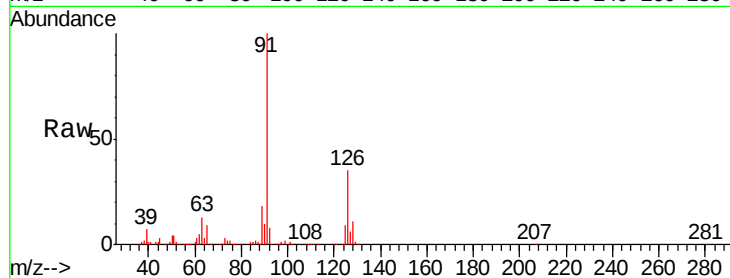
126 35.0 17.4 52.3

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Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3378) (-)

2000000

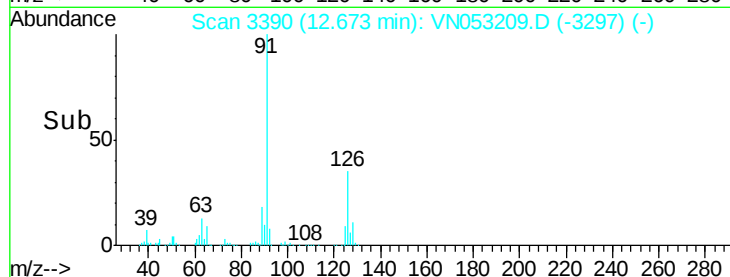
1500000

1000000

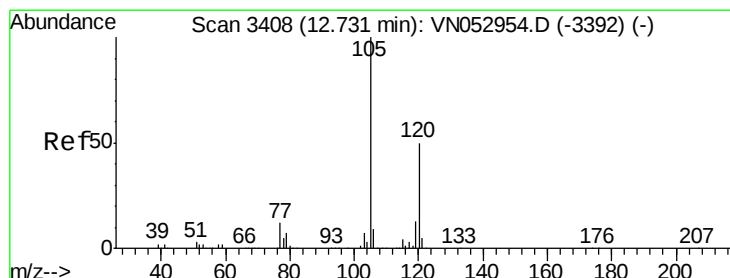
500000

0

Time-->



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.018 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053209.D

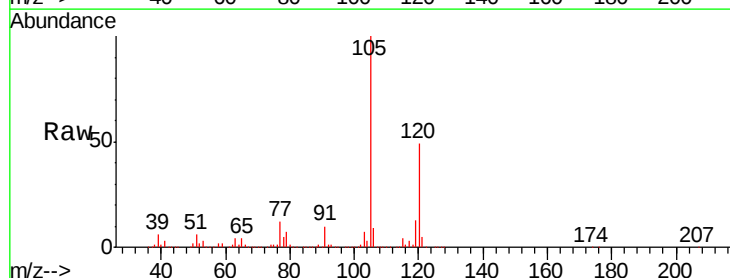
Acq: 27 Dec 2018 15:10

Tgt Ion: 105 Resp: 1980329

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3392) (-)

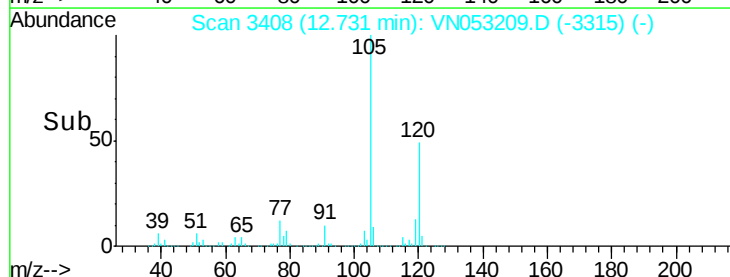
1500000

1000000

500000

0

Time-->



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 49.744 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 155093

Ion Ratio Lower Upper

75 100

53 88.1 74.7 112.1

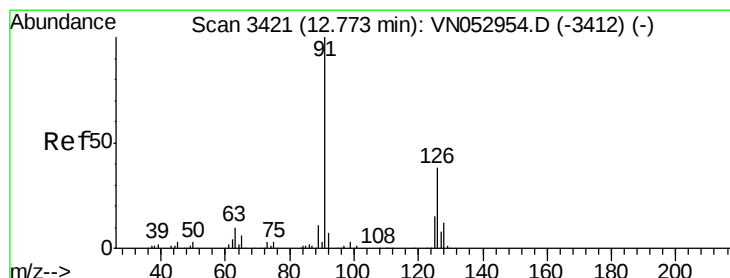
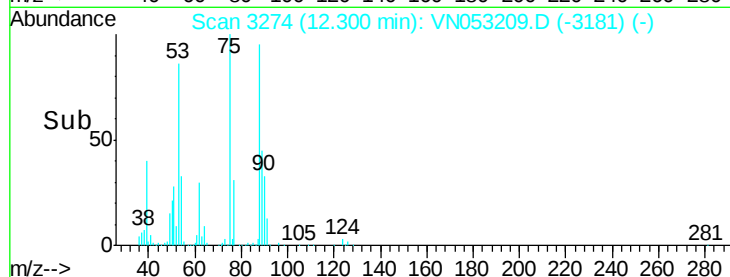
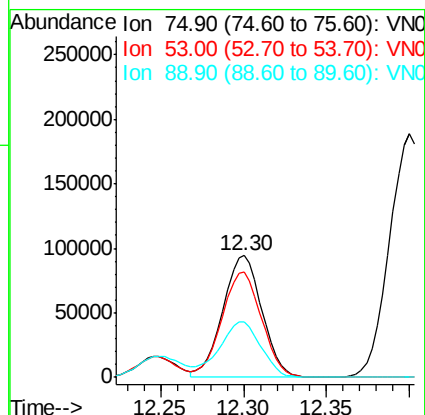
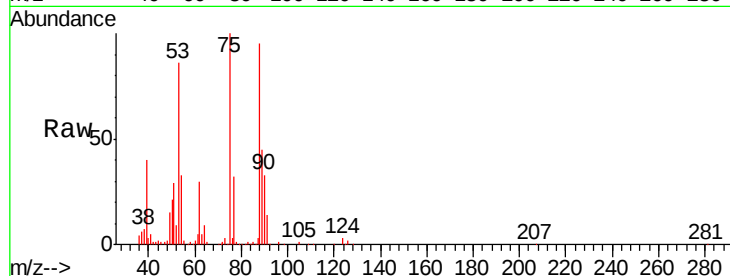
89 47.7 36.1 54.1

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#82

4-Chlorotoluene

Concen: 52.464 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053209.D

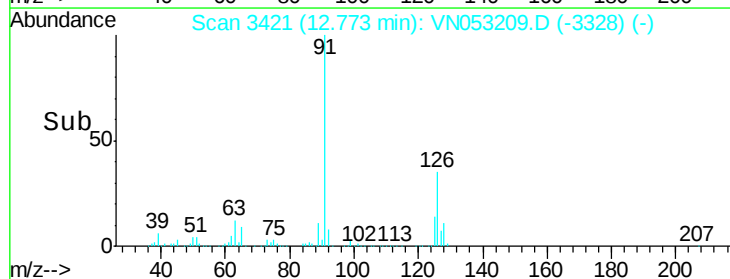
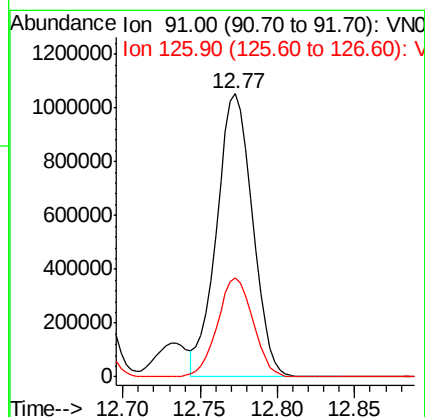
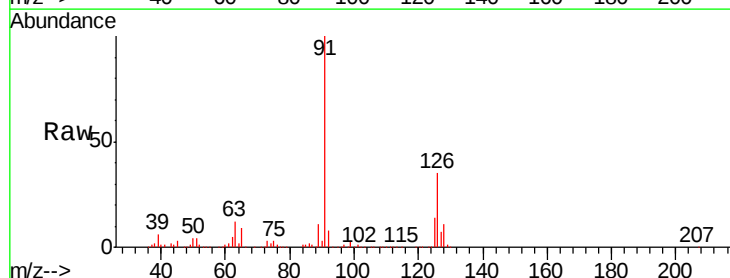
Acq: 27 Dec 2018 15:10

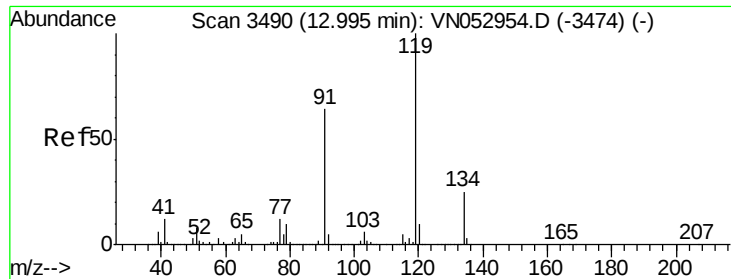
Tgt Ion: 91 Resp: 1693404

Ion Ratio Lower Upper

91 100

126 34.7 17.3 51.7





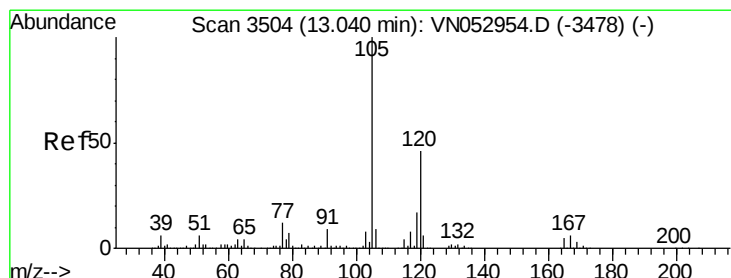
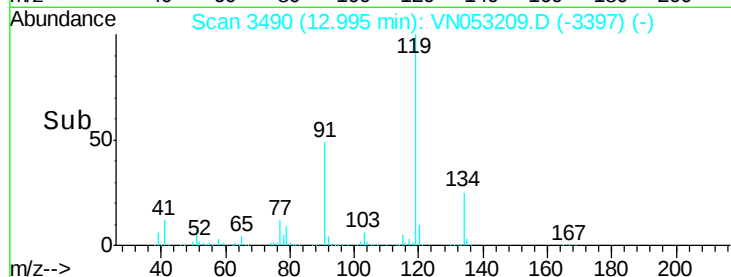
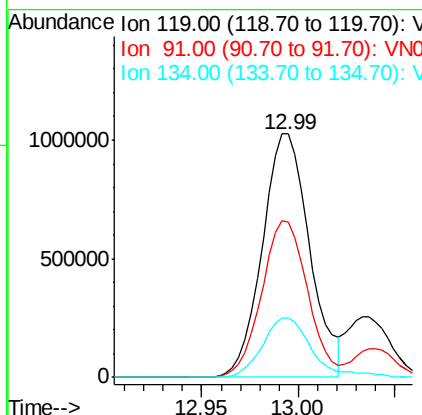
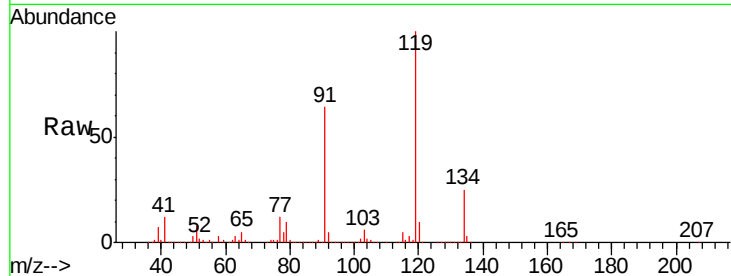
#83
 tert-Butylbenzene
 Concen: 51.904 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 1747592
 Ion Ratio Lower Upper
 119 100
 91 62.1 31.9 95.5
 134 25.5 12.8 38.4

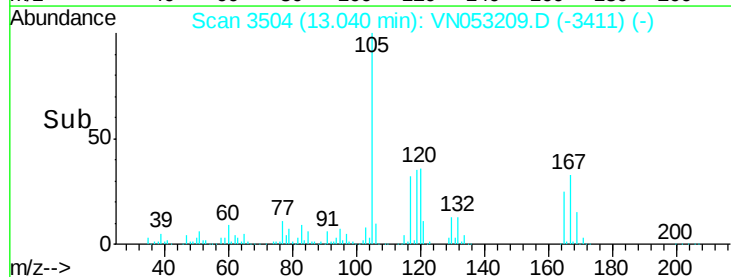
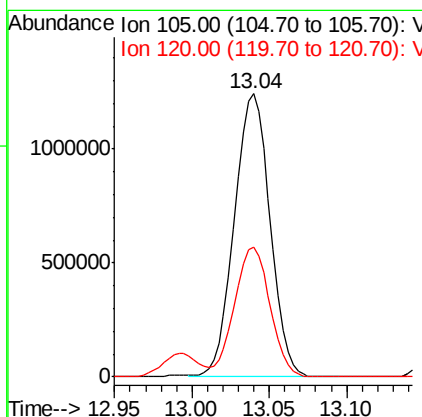
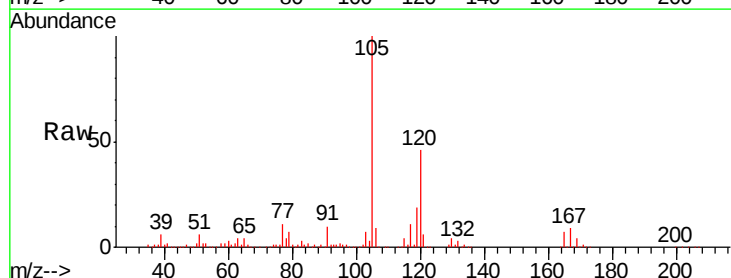
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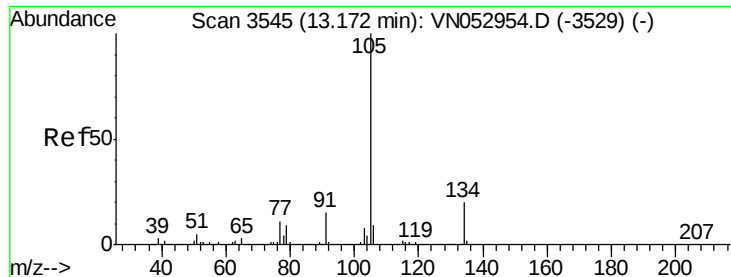
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.962 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion:105 Resp: 1988637
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.8





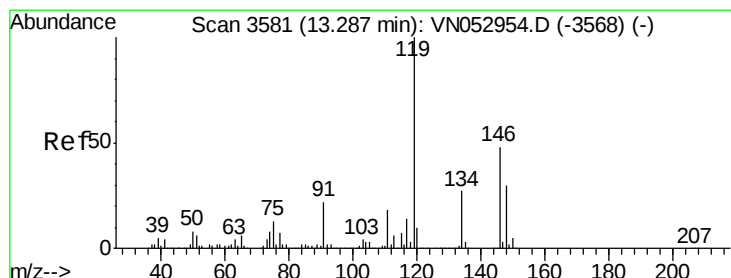
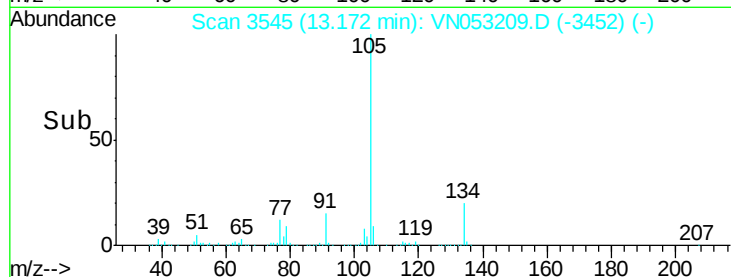
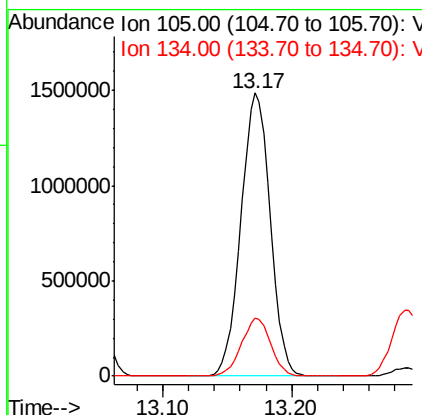
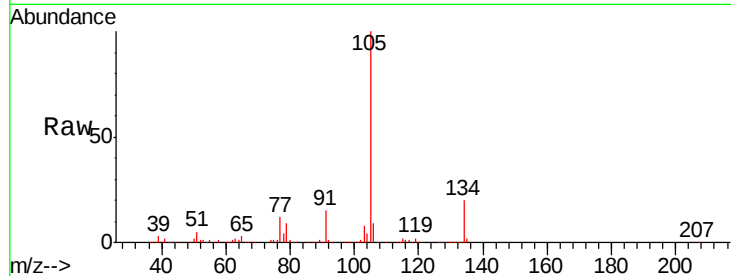
#85
 sec-Butylbenzene
 Concen: 51.419 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 2341705
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.3

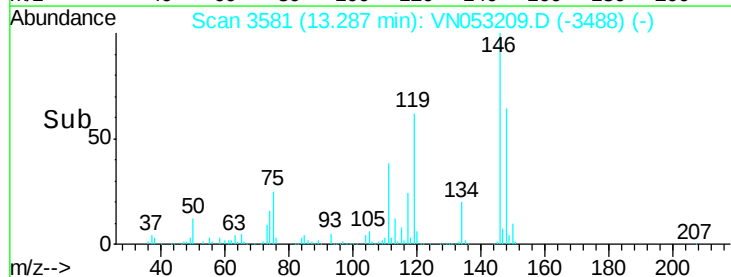
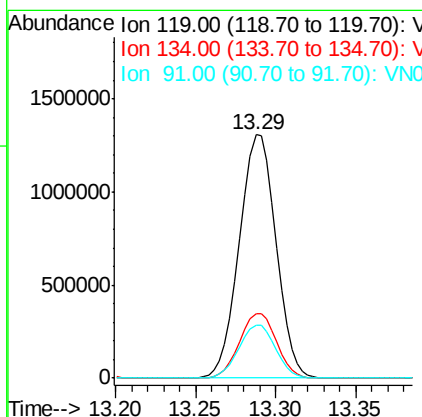
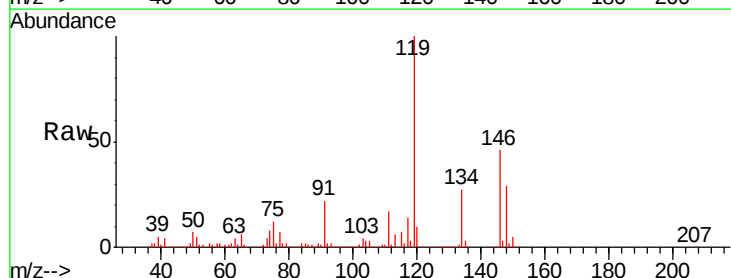
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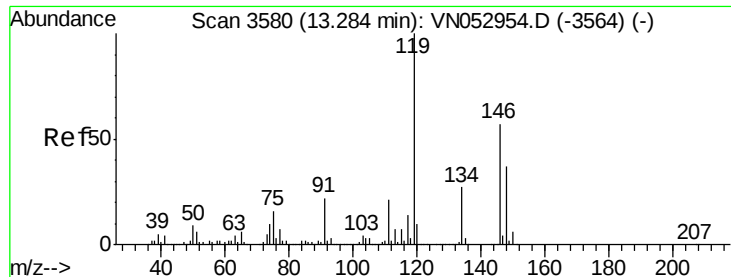
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#86
 p-Isopropyltoluene
 Concen: 51.804 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion:119 Resp: 2038549
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.2
 91 21.7 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 50.732 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 1090147

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.1

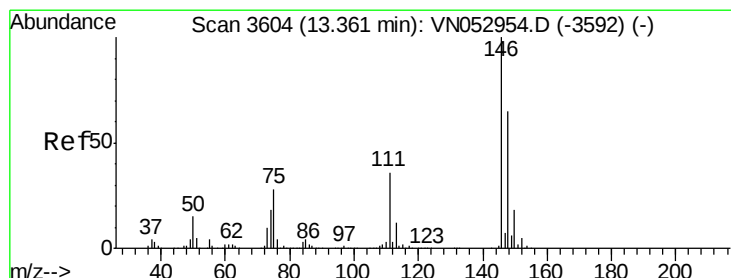
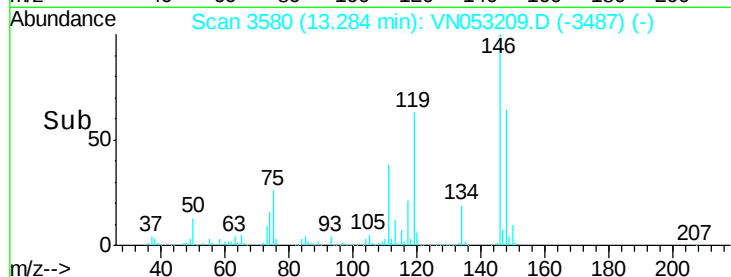
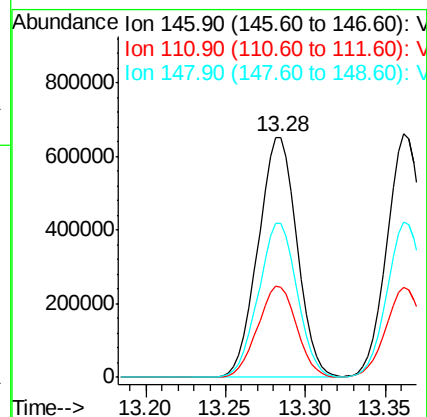
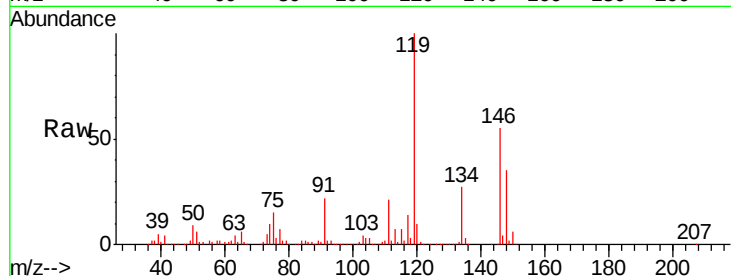
148 63.9 32.0 96.0

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#88

1,4-Dichlorobenzene

Concen: 49.297 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

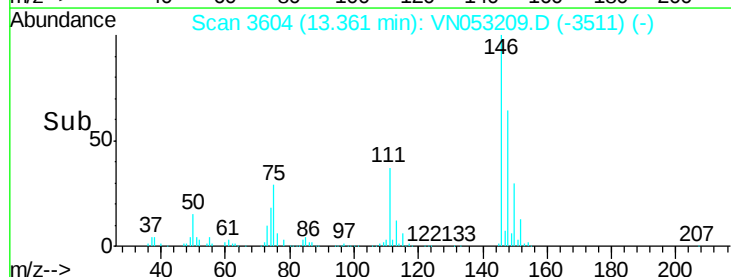
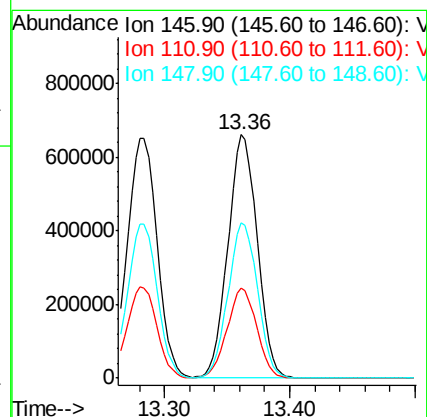
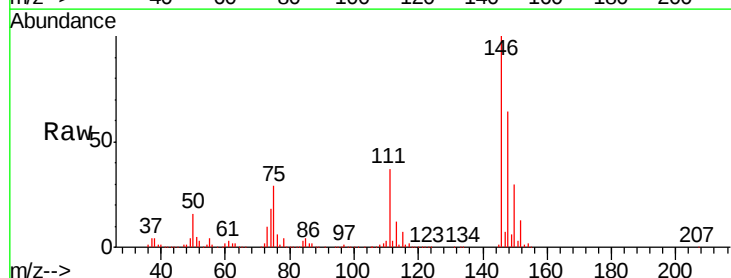
Tgt Ion:146 Resp: 1072759

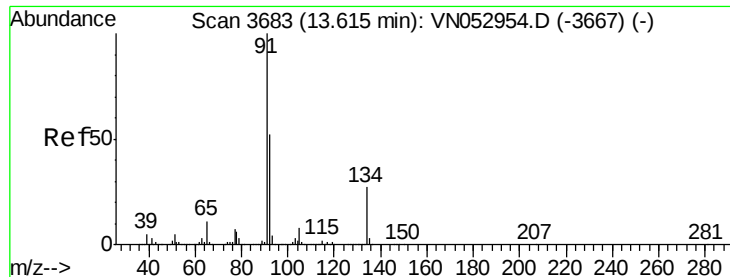
Ion Ratio Lower Upper

146 100

111 37.3 18.6 55.8

148 64.2 32.1 96.5





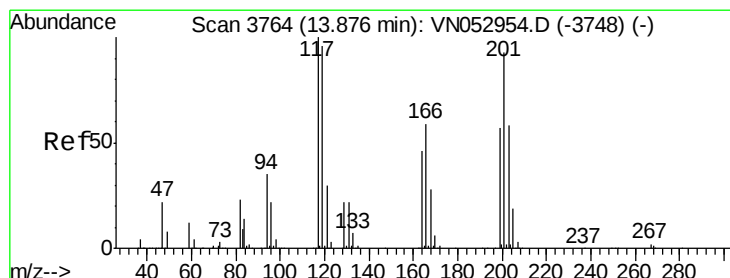
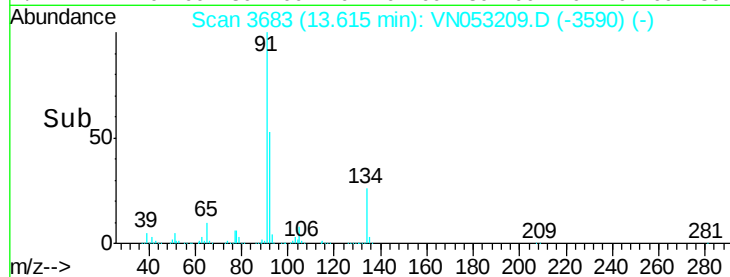
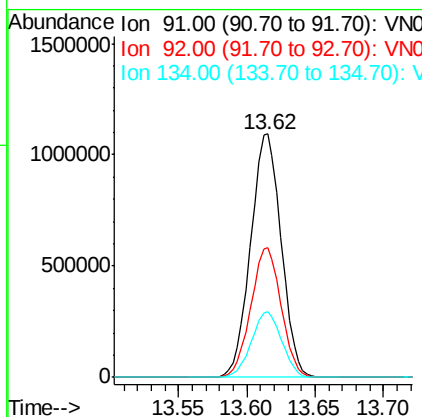
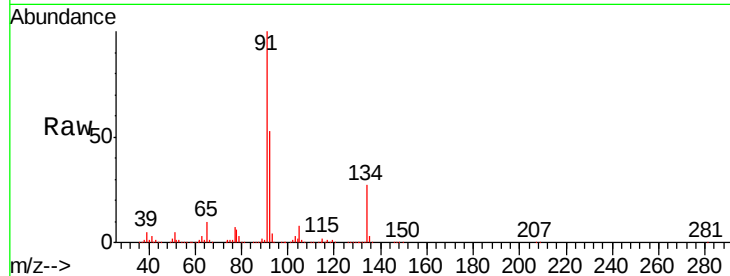
#89
n-Butylbenzene
Concen: 50.159 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1698107
Ion Ratio Lower Upper
91 100
92 52.7 26.3 78.9
134 26.7 13.3 39.8

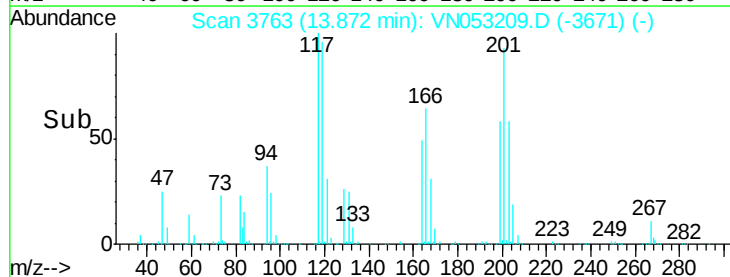
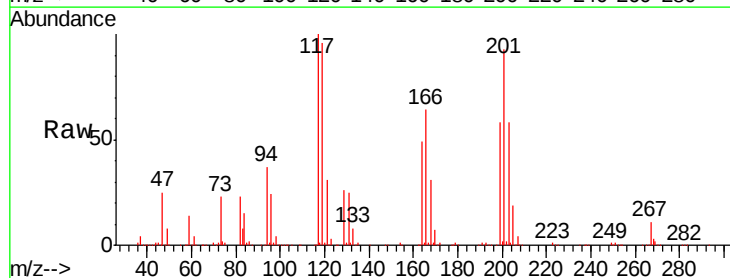
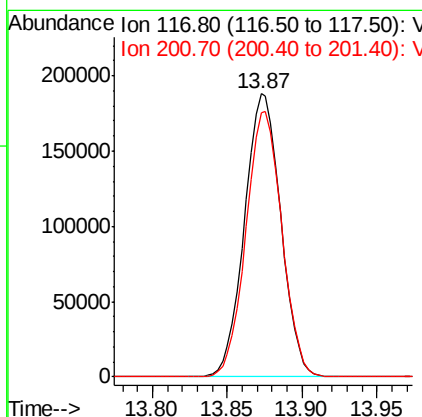
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#90
Hexachloroethane
Concen: 52.659 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion: 117 Resp: 317996
Ion Ratio Lower Upper
117 100
201 92.6 45.7 137.1





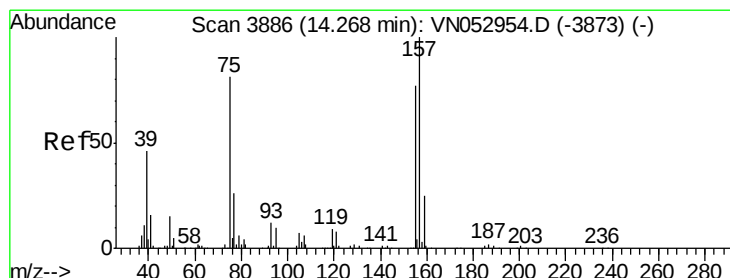
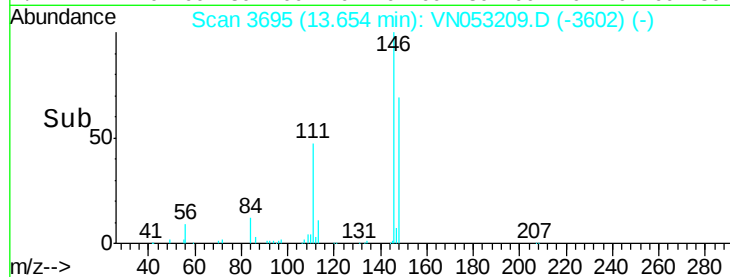
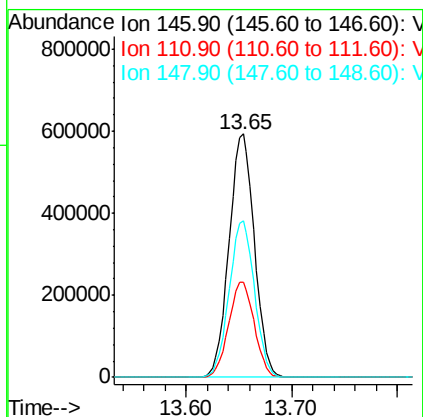
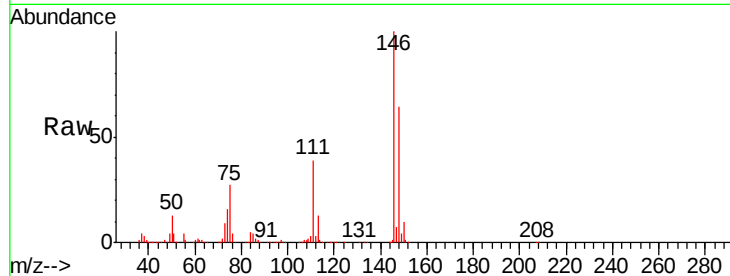
#91
 1,2-Dichlorobenzene
 Concen: 48.655 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	983993		
111	39.6	19.7	59.0	
148	64.3	32.0	96.0	

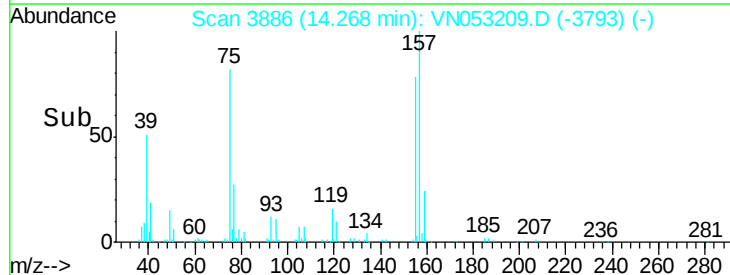
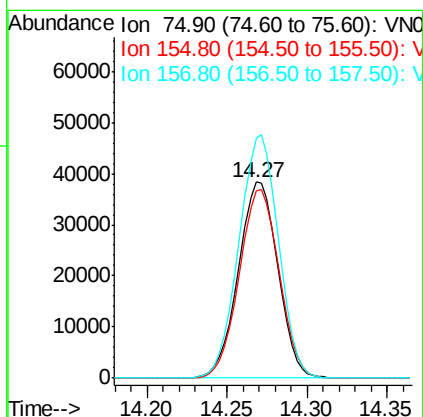
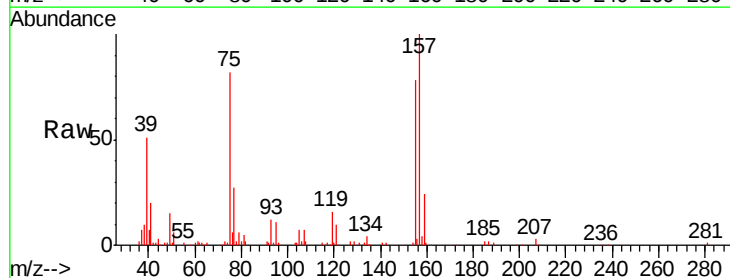
Manual Integrations
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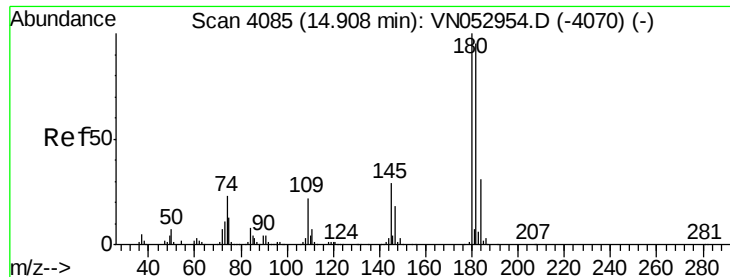
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.800 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64642		
155	96.9	48.2	144.6	
157	124.0	61.2	183.5	





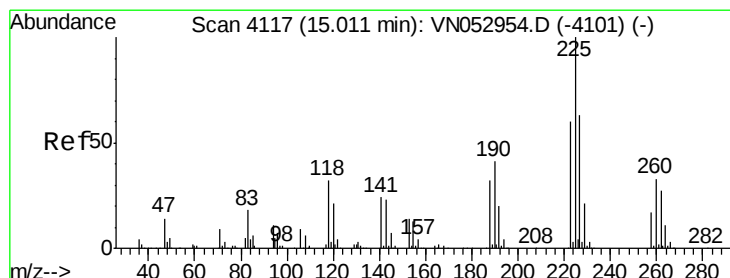
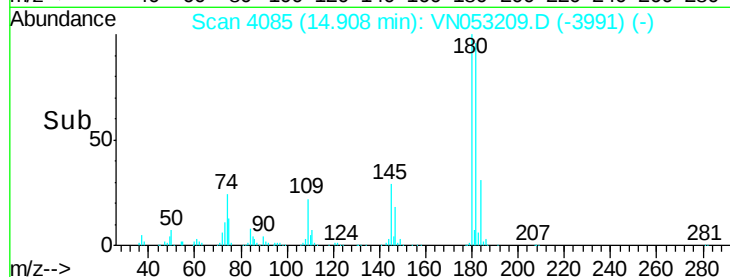
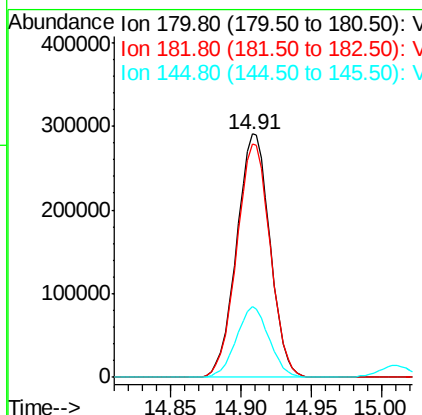
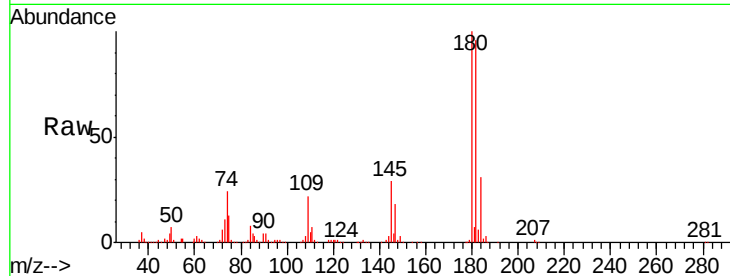
#93
 1,2,4-Trichlorobenzene
 Concen: 45.044 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	481993		
182	96.1	47.8	143.3	
145	28.4	14.2	42.6	

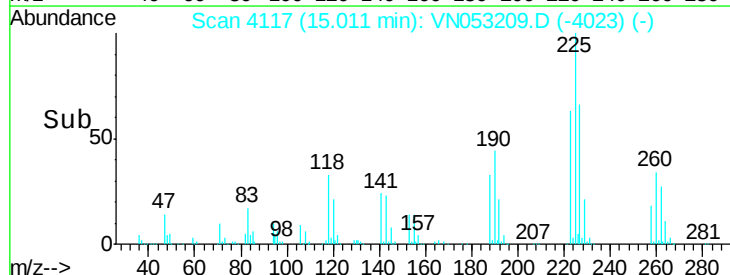
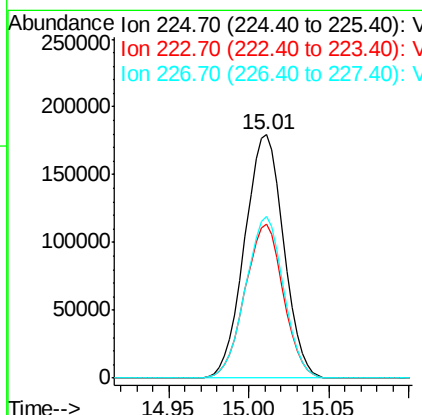
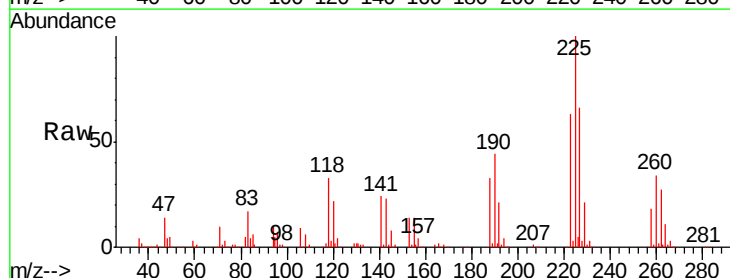
Manual Integrations
 APPROVED

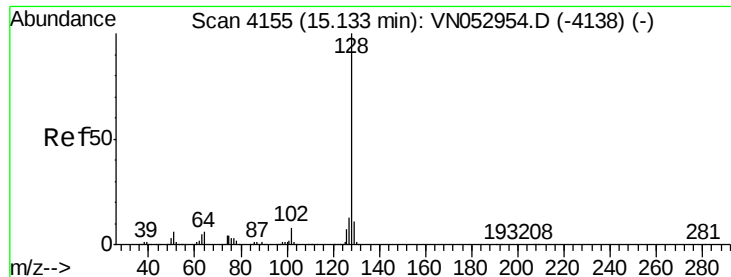
MMDadoda
 12/28/2018 10:14:10 AM



#94
 Hexachlorobutadiene
 Concen: 54.308 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	299915		
223	62.3	31.5	94.5	
227	64.8	31.9	95.7	





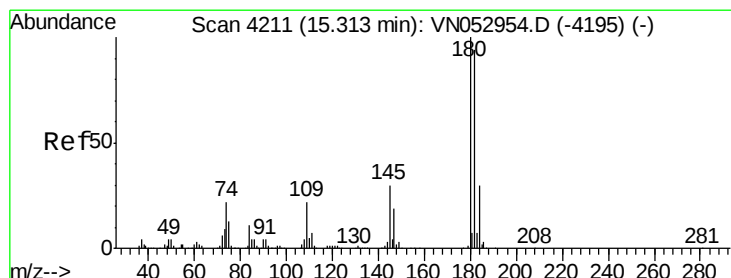
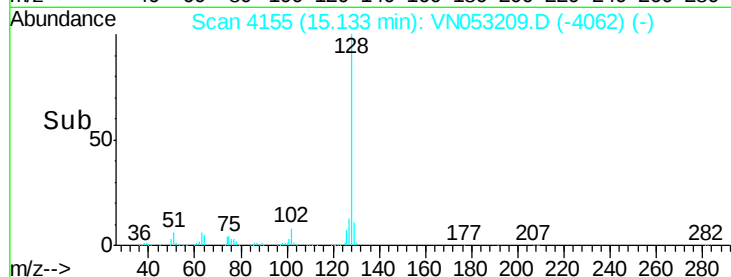
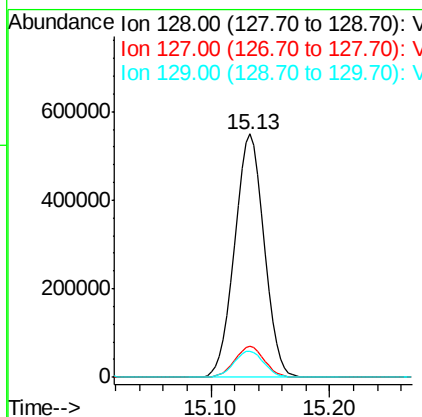
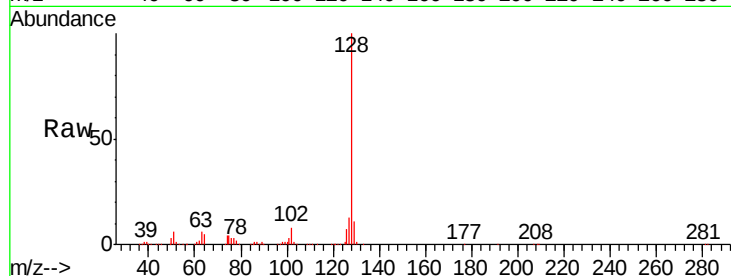
#95
Naphthalene
Concen: 40.412 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/28/2018 10:14:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 43.180 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	29.9	15.0	45.0

